

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 1, Sch. 1

Question(s):

- a) Please update Table 2 to reflect actual data for 2022.
- b) Please update Attachment 1, pages 3 and 4 to reflect actual data for 2022.

Response:

a-b) Please see response at Exhibit I.3.3-STAFF-95.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 1, Schedule 1, Table 2 (line 3)

Question(s):

a) What explains the lack of any storage revenues forecast for 2024?

Response:

a) Prior to 2024 the Union rate zones had excess storage space that was sold at market rates on a short-term basis. As explained at Exhibit 4, Tab 2, Schedule 1, page 16, starting in 2024 there will no longer be any excess utility storage space available as Enbridge Gas will operate all available storage on an integrated basis.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 2, p. 4

Question(s):

Enbridge Gas engaged Guidehouse Canada Ltd. (Guidehouse), to undertake a comparative review of natural gas volume forecast approaches. The study compared Enbridge Gas's approved gas volume forecast methods to that of comparable utilities in North America. The study reviewed the following areas:

- Heating Degree Day Forecasting
 - Weather Normalization
 - General Service Customer Count Forecast
 - General Service Average Use per Customer Forecast
 - General Service Volume Forecast
 - Contract Market Volume Forecast
 - Revenue Stability & Deferral Accounts
- a) Please indicate if Guidehouse reviewed the accuracy of the methodologies across the comparable utilities. If no, why not?
- b) Please confirm if the study ranked the methodologies of Enbridge Gas and the comparator utilities across certain metrics (accuracy, data selection, applicability, duration etc.). If not, please explain why the study was limited to only describing and comparing methodologies.

Response:

The following response was provided by Guidehouse Canada Ltd.:

- a) Guidehouse did not perform a quantitative comparison of comparator utilities' historical forecasts and observed volumes. Guidehouse's scope for this study was to conduct a literature review of the methods used by comparator utilities, supplemented by anonymized interviews with comparator utility staff.

- b) The study did not rank the methodologies of Enbridge Gas or the comparators using quantitative metrics. The diversity of methods used, the individual circumstances under which these methods were selected by the utility and approved by its regulator, and the inconsistent detail on approaches (and outcomes) available in public documentation (and anonymous interview) would make any such ranking highly imprecise and potentially spurious.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 2, p. 20

Question(s):

The Guidehouse report notes that none of the comparator utilities' including Enbridge Gas's forecast methodologies considered more recent trends (electrification, renewable natural gas etc.) as part of their core forecasts.

- a) Please confirm if Enbridge Gas has considered emerging trends (use of electricity to replace natural gas, use of heat pumps, hydrogen blending, renewable natural gas etc.) in their forecasting methodologies. If no, please provide reasons and the drawbacks of not using these factors in developing volume forecasts.
- b) Please indicate if Enbridge Gas intends to consider these emerging trends in future forecasting methodologies.

Response:

- a) Confirmed. Enbridge Gas considered emerging trends in the development of the demand forecast, provided at Exhibit 1, Tab 10, Schedule 4, Section 1.
- b) Yes, Enbridge Gas intends to consider these trends in future forecasting methodologies. Please see response at Exhibit I.1.10-STAFF-24.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 2, p. 26

Question(s):

The Guidehouse study discusses revenue stabilization approaches used by utilities to reduce weather risk. One of the utilities uses a dead-band for managing revenue risks from weather and a recovery or refund is applied when the threshold has been met. Revenue deficiency recovery amounts are capped such that any recovery charges cannot result in the utility earning a rate of return on common equity in excess of its approved percentage.

- a) Has Enbridge Gas considered using a dead-band in its average consumption deferral accounts or the Volume Variance Account as a Revenue Stability Mechanism? If no, why not?
- b) Would Enbridge Gas consider foregoing recovery related to lower average consumption if its earnings are over the OEB-approved return on common equity? If yes, at what earnings over and above the OEB-approved return on common equity would Enbridge Gas consider foregoing recovery related to weather risks?

Response:

- a) The current OEB-approved AUTUVA and NAC deferral accounts do not consider the deadband approach as part of their operation. As well, the proposed Volumetric Variance Deferral Account does not consider a deadband approach in its methodology. Instead, it includes the weather variance component that will support the Company's transition to harmonized rates as well as the transition to the proposed Straight Fixed Variable and Demand (SFVD). Please see response at Exhibit I.9.1-LPMA-47 part j) which outlines the need for the proposed Volumetric Variance Deferral Variance Account. Please see response at Exhibit.I.9.1-SEC-225, Table 1 which shows historical average use volumetric impacts in combination to historical weather-related volumetric impacts, similar to the proposed Volumetric Variance Deferral Account.

- b) No, Enbridge Gas would not consider foregoing the recovery related to lower average use if its earnings are over the OEB-approved return on common equity. The Company is proposing a volumetric variation mechanism that is symmetrical for both ratepayers and Enbridge Gas. Foregoing the recovery related to lower average use when earnings are in excess of allowed ROE removes the incentive to try to find efficiencies, which is the intent of incentive regulation, and provides long-term value for customers when efficiencies are reflected in rates.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 3, pp. 3-11

Question(s):

In its evidence on load forecast methodologies, Enbridge Gas discussed the different approaches to forecast heating degree days. For the East weather zone, Enbridge considered two methodologies: the 10-year moving average and Energy Probe method. Based on the overall ranking, Enbridge Gas has proposed to use the 10-year moving average methodology for forecasting degree days for the East weather zone.

- a) In Table 3 (p. 11), Enbridge Gas provided the results of the different methodologies and shown how the results compare to the actual degree days. For the year 2016, the Energy Probe method has an outcome of 3,935. Please confirm that the output is accurate and if possible, please redo the calculations and provide the outcome.
- b) Please provide the degree days for 2024, if Enbridge Gas were to select the Energy Probe method for forecasting degree days for the East weather zone.

Response:

- a) Confirmed. To ensure accuracy, Enbridge Gas redid the calculations and confirms that an outcome of 3,935 for 2016 is accurate.
- b) If Enbridge Gas were to select the Energy Probe method for forecasting degree days for the East weather zone, the degree days forecast for 2024 would have been 4,506 having used the actuals up to 2021.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 3, p. 16

Question(s):

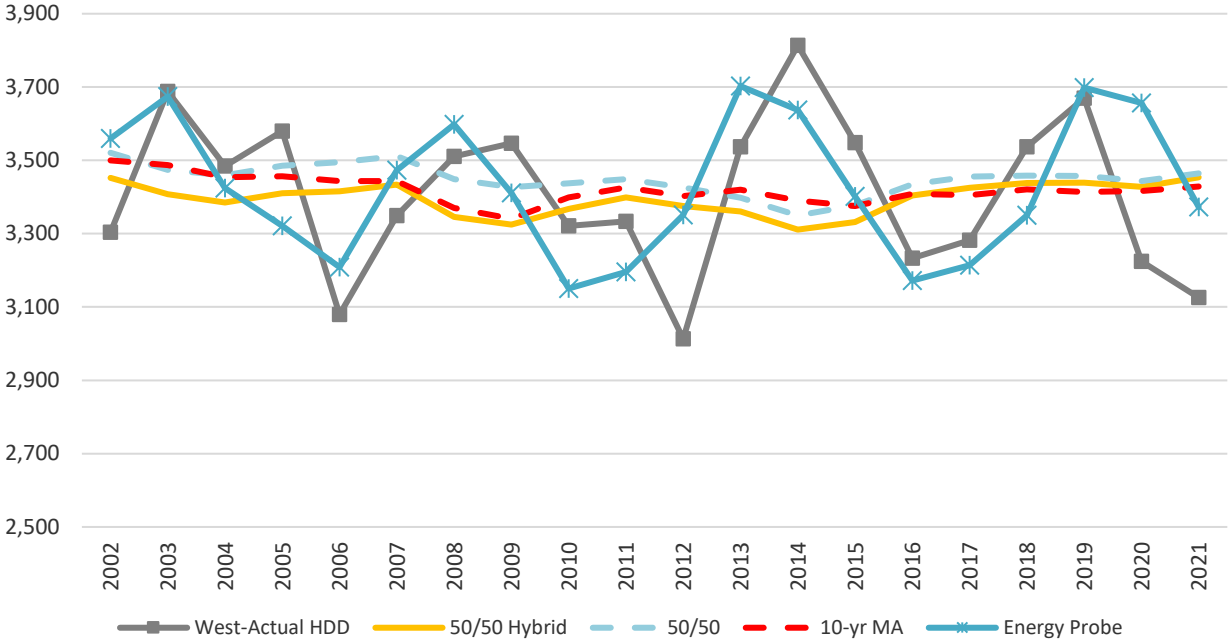
In its evidence on load forecast methodologies, Enbridge proposed to use the 10-Year moving average for forecasting degree days for the West weather zone.

Figure 3 in the evidence shows the West Weather Zone Actual vs. Fitted/Forecast Heating Degree Days (HDD) which illustrates the accuracy of the different methodologies. Please provide a revised figure that also shows the Energy Probe results.

Response:

Figure 3 in the evidence shows actual versus fitted/ forecast degree days for the top three forecasting methodologies for the West weather zone as determined by the evaluation criteria. Figure 1 also includes results from the Energy Probe methodology.

Figure 1: West Weather Zone: Actual vs Fitted/Forecast HDD
(Updated with Energy Probe)



ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, Attachment 1, pp. 3-5

Question(s):

Enbridge Gas has proposed to use 15°C in the calculation of its HDD starting in 2024. The 2024 Test Year HDD forecast for base temperature of 15°C were determined by converting the daily HDD forecast calculated based on 18°C and summing these daily values over the year. Enbridge Gas provided the 2024 annual HDD forecast based on 18°C and 15°C. OEB staff has reproduced the table below showing the difference and percentage decline over 18°C.

Weather Zone	Methodology	HDD Forecast - 18°C	HDD Forecast - 15°C	Difference	% Decline
Central	50/50 Hybrid	3,560	2,764	796	22.4%
East	10-Yr MA	4,338	3,479	859	19.8%
West	10-Yr MA	3,398	2,605	793	23.3%
South	10-Yr MA	3,781	2,941	840	22.2%
North	10-Yr MA	4,673	3,746	927	19.8%

- a) Please confirm that the numbers and calculations shown in the above table are accurate.
- b) Please confirm that the volume forecast underpinning the proposed 2024 rates uses HDD values resulting from using a base temperature of 15°C.
- c) The 2024 Test Year HDD forecast for base temperature of 15°C were determined by converting the daily HDD forecast calculated based on 18°C and summing these daily values over the year. Please describe in detail how HDD values using a base

temperature of 15°C were determined by converting the daily HDD forecast that was based on a temperature of 18°C.

- d) Enbridge Gas notes that heating starts at a temperature below 15°C for about 98% of consumption observations. Please reconcile this observation with the calculations provided in the table above that shows an approximate 20% decline in the average HDDs as a result of using 15°C as the base temperature.

Response:

- a) Confirmed.
- b) Confirmed.
- c) Please see response at Exhibit I.3.2-LPMA-20 Attachment 1 to see in detail how HDD values using a base temperature of 15°C were determined by converting the daily HDD forecast that was based on a temperature of 18°C.
- d) Analysis completed by Enbridge Gas by looking at the relationship between monthly consumption observations and monthly average temperatures indicated that consumption starts to increase at a temperature of 15°C. This analysis indicated that average use is more accurately explained by HDDs calculated using a base temperature of 15°C compared to HDDs calculated using a base temperature of 18°C.

The approximate 20% decline in average HDD resulting from using 15°C as the base temperature does not imply that a similar percentage of decline would occur in natural gas demand.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, Attachment 4

Question(s):

Enbridge Gas has provided the weather coefficients by month derived from the regression equations to determine weather normalized actual average use. For some of the regression equations, Enbridge Gas has added an autoregressive term (AR) to improve regression results.

For the Central and West weather zones, the p-value of the AR used to improve the regression results is more than 0.05.

- a) Please provide an interpretation of the results considering the high p-value.
- b) Please run the regression excluding the AR term and provide the results for the two weather zones.

Response:

- a) In the circumstances that the variable is included in the model when it is not statistically significant at the 90-95% confidence, it is to improve the model's results or to fix the violation from assumptions.

An AR term is not statistically significant in the Central weather zone residential model at the 90% confidence level ($p=0.12 > 0.10$). However, including an AR term in the model improves accuracy results and also fixes the heteroskedasticity that exists in the model when an AR term is excluded.

Regarding the West weather zone residential model, an AR term is statistically significant at the 90% confidence level ($p=0.09 < 0.10$) and it also improves accuracy results.

Diagnostic tests and Accuracy results for the Central and West weather zone models that includes and excludes an AR term are shown in Tables 1 and 2.

Table 1
Diagnostic Tests (Residential Models)

Line No.	Test		Central Weather Zone (a)	Central Weather Zone (excl.AR(1)) (b)	West Weather Zone (c)	West Weather Zone (excl.AR(1)) (d)
1	Breusch-Godfrey Serial Correlation LM Test (1)	test				
		statistics	1.30	2.27	0.16	2.66
		p-value	0.25	0.13	0.69	0.10
2	ARCH Test (2)	test				
		statistics	1.86	8.66	1.10	0.56
		p-value	0.17	0.00	0.30	0.45
3	Chow Forecast Test (3)	test				
		statistics	0.38	0.52	0.84	0.61
		p-value	0.97	0.90	0.61	0.83

Notes:

- (1) Tests serial correlation (Autocorrelation) and misspecification of the model.
- (2) Tests heteroscedasticity.
- (3) Tests homogeneity of data and existence of structural break.

Table 2
Forecast Errors - Mean Percent Error (MPE) & Root Mean Squared Percent Error (RMSPE)

Line No.	Forecast Error Method	Central (a)	Central (excl.AR(1)) (b)	West (c)	West (excl.AR(1)) (d)
1	In-Sample MPE (2 Years)	-1.27%	-1.50%	-3.16%	-3.41%
2	In-Sample RMSPE (2 Years)	1.57%	1.76%	3.18%	3.44%
3	Out-of-Sample MPE (2 Years)	-1.94%	-2.28%	-5.68%	-6.07%
4	Out-of-Sample RMSPE (2 Years)	2.12%	2.43%	5.68%	6.07%

b) Tables 3 and 4 present the regression equations excluding the AR term from the Central and West weather zone residential average use models, respectively.

Table 3
Residential Average Use: Central Weather Zone (excluding AR(1))

Line No.	Variable	Coefficient (a)	t-Statistic (b)	p-Value (c)
1	C	-64.54	-3.84	0.00
2	CENTHDD_JAN	0.68	89.44	0.00
3	CENTHDD_FEB	0.64	77.42	0.00
4	CENTHDD_MAR	0.67	64.96	0.00
5	CENTHDD_APR	0.67	35.62	0.00
6	CENTHDD_MAY	0.78	13.33	0.00
7	CENTHDD_SEP	0.64	3.03	0.00
8	CENTHDD_OCT	0.58	19.50	0.00
9	CENTHDD_NOV	0.65	46.88	0.00
10	CENTHDD_DEC	0.65	70.67	0.00
11	CENRES_VINT	253.59	7.80	0.00
12				
13	R-squared	0.99		
14	Adjusted R-squared	0.99		
15	S.E. of regression	16.07		
16	F-statistic	1,658.19		0.00

Table 4
Residential Average Use: West Weather Zone (excluding AR(1))

Line No.	Variable	Coefficient (a)	t-Statistic (b)	p-Value (c)
1	C	-86.29	-4.59	0.00
2	WESTHDD_JAN	0.62	89.42	0.00
3	WESTHDD_FEB	0.59	79.39	0.00
4	WESTHDD_MAR	0.61	66.88	0.00
5	WESTHDD_APR	0.60	37.04	0.00
6	WESTHDD_MAY	0.69	13.69	0.00
7	WESTHDD_SEP	0.67	2.96	0.00
8	WESTHDD_OCT	0.52	17.61	0.00
9	WESTHDD_NOV	0.58	45.63	0.00
10	WESTHDD_DEC	0.59	70.25	0.00
11	WESRES_VINT	181.59	7.24	0.00
12				
13	R-squared	0.99		
14	Adjusted R-squared	0.99		
15	S.E. of regression	13.52		
16	F-statistic	1,692.14		0.00

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 6, pp. 7-8

Question(s):

Enbridge Gas notes that housing starts increased dramatically in 2021, reaching levels unseen since the mid-1970s. Builders are expected to boost completions in 2022 and 2023. As a result, housing activity is expected to remain strong until 2024. Even though the housing starts forecast remains strong, Enbridge Gas expects customer additions to remain flat until 2024 due to economic uncertainties, specifically the increase in interest rates. Accordingly, Enbridge Gas has forecasted 41,648 new customers for the 2024 Test Year.

- a) Please update Attachment 1 in Exhibit 3, Tab 2, Schedule 6 to show actual customer additions for 2022. If required, please provide comments for any variance from the estimate included in the original evidence.
- b) Enbridge Gas notes that housing activity is expected to remain strong until 2024. Please explain why Enbridge Gas expects customer additions to remain flat in 2024. Does Enbridge Gas expect that construction projects will not be completed as planned in 2023 and 2024 or whether some proportion of new construction will remain unsold?
- c) Please provide the estimated impact of rising interest rates on the customer additions forecast for 2023 and 2024.

Response:

- a) Please see response at Exhibit I.3.2-LPMA-22, Attachment 1. The 2022 actual customer additions were 6% higher than the 2022 forecast. The positive variance was primarily driven by the higher-than-expected residential new construction market in the Windsor, Richmond Hill, and Barrie areas.
- b) Enbridge Gas's new construction customer additions forecast is developed using the relationship between the new construction customer additions and the non-

apartment housing starts. As provided in Figure 3 at Exhibit 3, Tab 2. Schedule 6, housing starts in 2021 were very strong but customer additions stayed at the same levels. Based on the Consensus Housing Starts forecast, housing starts for the forecast period are expected to remain strong but not as strong as in 2021. Considering this, during the forecasting period, Enbridge Gas expects customer additions to remain flat.

- c) Enbridge Gas's customer additions forecast is not impacted by rising interest rates directly. As explained in part b) the new construction customer additions forecast is determined using non-apartment Consensus Housing Starts forecast. The Company cannot comment on the specific methodologies underpinning the individual forecasts that form the Consensus Housing Starts forecast, but to the extent that economic outlook and high interest rates have been incorporated through the Housing Starts forecast, the Company's customer additions forecast will reflect those assumptions even if they are not considered in the econometric forecast directly.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 7, pp. 3-4

Question(s):

The general service volume forecast is adjusted for future DSM plan activities. DSM volumes used to adjust the base volume forecast are provided in Table 1 (page 4 of Schedule 7).

Please explain why the 2023 DSM volumes are significantly lower than volumes for 2024.

Response:

Please see response at Exhibit I.3.2-EP-55 part c).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 8, p. 4 and Exhibit 1, Tab 2, Schedule 1, p. 13

Question(s):

The Government of Canada has committed to reducing GHG emissions by 40% below 2005 levels by 2030 and provincial climate policy development and implementation is under way, with some policies already in place. Enbridge Gas has proposed to develop the customer and volume forecast for all customers in the distribution contract market through customer specific bottom-up forecasts for existing and forecasted new customers.

Please confirm if accounts managers have had discussions with contract customers regarding their long-term volume forecasts considering the GHG reduction goals of the government. If such discussions have not taken place, please provide reasons and explain why such information is not relevant to develop the 10-year AMP.

Response:

Confirmed. Account managers have had discussions with contract customers regarding their long-term volume forecasts considering the GHG reduction goals of the government.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 8, Attachment 2, p. 2

Question(s):

The Table in Attachment 2 shows the average customers in the contract market for the years 2019 to 2024.

- a) Please provide a revised table that shows the actual numbers for 2022.
- b) The number of customers in Rate 25 (Union rate zone) shows a significant decline from 65 customers in 2022 to 25 customers in 2023 and 2024. Please provide reasons for the significant decline in the forecasted number of Rate 25 customers in 2023 and 2024.

Response:

- a) Exhibit 3, Tab 2, Schedule 8, Attachment 2 has been updated for 2022 actuals and is provided at Attachment 1.
- b) The 2022 Estimate customer count for distribution contract market was based on February 2022 actual and had high utilization of Rate 25. Attachment 1 provides an update based on the 2022 actual annual average.

Rate 25 is an interruptible service normally paired with a firm service rate class. The firm service is counted as a customer in all months, while the interruptible service is counted as a customer only for months when the interruptible service is utilized. On a forecast basis, customer volumes are profiled monthly and allocated between firm and interruptible service. This is based on contract demands using a monthly allocation versus a daily allocation for actual. This allocation difference can result in a lower Rate 25 count in forecast versus actual.

Average Customers - Distribution Contract Market Sales & T-Service

Line No.	Particulars	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	Rate 100	EGI	4	9	15	17	14	14
2	Rate 110	EGI	282	335	392	426	416	416
3	Rate 115	EGI	22	20	21	20	22	22
4	Rate 125	EGI	4	4	4	4	4	4
5	Rate 135	EGI	43	40	42	42	41	41
6	Rate 145	EGI	26	22	19	17	16	16
7	Rate 170	EGI	23	21	22	22	22	22
8	Rate 200	EGI	0	1	1	1	1	1
9	Rate 300	EGI	1	2	2	2	0	0
10	Rate 315	EGI	0	0	0	0	0	0
11	Total - EGD Rate Zone		405	454	517	549	536	536
12	Rate M4	EGI	232	239	230	223	225	225
13	Rate M7	EGI	36	47	56	62	62	61
14	Rate M9	EGI	4	4	4	4	4	4
15	Rate M10	EGI	2	2	2	2	2	0
16	Rate 20	EGI	54	57	58	60	62	62
17	Rate 100	EGI	12	12	12	13	12	12
18	Rate T1	EGI	37	39	39	39	39	39
19	Rate T2	EGI	25	25	25	25	25	26
20	Rate T3	EGI	1	1	1	1	1	1
21	Rate M5	EGI	42	38	39	37	38	38
22	Rate 25	EGI	55	52	52	52	25	25
23	Rate 30	EGI	0	0	0	0	0	0
24	Total - Union Rate Zone		500	515	519	518	494	492
25	Total Contract Customers		905	969	1,036	1,067	1,030	1,028

ENBRIDGE GAS INC.

Answer to Interrogatory from
Building Owners and Managers Association (BOMA)

Interrogatory

Reference:

3-2-8 attachment 1

Question(s):

Please provide the breakdown of total (EGD + Union) Distribution Contract numbers of customers and gas volumes between commercial and industrial customers.

Response:

Enbridge Gas does not track commercial and industrial customers within the distribution contract market. The distribution contract market volumes and customer count are divided into sectors that are used for Enbridge Gas's internal reporting. These sectors were filed as part of Exhibit 3, Tab 2, Schedule 8, Attachments 1 and 2.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Canadian Manufacturers & Exporters (CME)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 2, p. 6 of 33

Question(s):

At page 6, Guidehouse stated: "Tier 1 filtering was completed based on the climate zones that each utility service territory spanned. EGI spans climate zones 5 to 8, with most of its service territory covering climate zone 6 or higher. Therefore, Guidehouse concluded that any utility whose service territory spanned climate zone 6 or higher would pass Tier 1. The exceptions to this rule were utilities that serviced the cities of Boston and Chicago, because both cities are in climate zone 5, and have similar weather patterns to the city of Toronto".

- a) How much of EGI's service territory is in zone 5?
- b) Are there other zone 5 cities other than Boston or Chicago that have similar weather patterns to Toronto?
- c) Are there utilities that have some zone 5 service territory and some higher zone service territory, if so, did they fail the tier 1 filter?

Response:

The following response was provided by Guidehouse Canada Ltd.:

- a) A small amount of Enbridge Gas's service territory is in Zone 5. Climate Zone 5 includes regions with an average of between 3,000 and 4,000 HDD (18 degree C base) per year. The North American Insulation Manufacturers Association (NAIMA) Canada has used data from the National Research Council of Canada to develop a map of climate zones in Canada. This indicates that Toronto and South-Western Ontario fall in Zone 5.¹

¹ NAIMA Canada. Codes and Standards. Understanding Codes & Standards.
<https://www.naimacanada.ca/codes-standards/>

- b) Other cities located in Zone 5 include: Salt Lake City (Utah), Cleveland (Ohio), and Pittsburgh (Pennsylvania). A complete list of US counties by climate zone may be found in the U.S. Department of Energy's "Building America Best Practices" series.²
- c) No. None of the utilities that have Zone 5 service territory and failed the Tier 1 filter have higher zone service territory.

² Guide to Determining Climate Regions by County, August 2015
https://www.energy.gov/sites/prod/files/2015/10/f27/ba_climate_region_guide_7.3.pdf

ENBRIDGE GAS INC.

Answer to Interrogatory from
Canadian Manufacturers & Exporters (CME)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 2, p. 6 of 33

Question(s):

At page 6, Guidehouse describes the methodology it used to determine the comparator group.

- a) Please elaborate on how Guidehouse determined where it would be appropriate to make the cut-off demarcation for passes and fails of the tier filters.

Response:

The following response was provided by Guidehouse:

- a) Guidehouse determined that only potential comparators with comparable climates should be included. This determined the demarcation for Tier 1. Guidehouse used the ranking provided by the combined Tier 2 and 3 to prioritize its search for published materials describing the forecast. Guidehouse selected its demarcation for the Tier 2 and 3 criterion to deliver a list of manageable length to allow it to better target its data collection work. For Tier 4, Guidehouse selected the 10 potential comparators with the most detailed publicly available information about their forecast method.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit 3, Tab 2

Question(s):

- a) The following factors can lead to greater or lesser rates to be collected. Please provide a table listing whether there is a revenue stabilizing mechanism (or a proposed one), and if yes, how it functions and whether it addresses both over collection and under collection: volume is lower than forecast because (i) hybrid heating lowers average use; (ii) partial fuel switching from gas lowers average use; (iii) full fuel switching away from gas lowers the number of customers; (iv) fewer customer attachments occur in comparison to forecast; and (v) temperatures are higher than expected.

Response:

- a) Currently the Company has the AUTUVA and NAC deferral accounts to capture the impact of average use volume variances for general service customers. As part of this Application, the Company is proposing the establishment of the Volume Variance Account to capture general service average use and weather-related volumetric variances (based on the budgeted number of customers), until such time as the proposed Straight Fixed Variable with Demand (SFVD) rate design is implemented. Table 1 identifies which of the noted variables are or would be captured in the noted variance accounts. Please see Exhibit 9, Tab 1, Schedule 2, pages 26 and 27 for a description of how the current and proposed deferral accounts work.

Table 1
Enbridge Gas General Service AUTUVA/NAC Deferral Account vs Proposed Volume Variance Account

Line No.	Particulars	Current Method		Proposed Method
		AUTUVA	NAC Deferral	Volume Variance
<u>Over/Under Collection Due To:</u>				
1	Hybrid heating (changes AU)	Yes	Yes	Yes
2	Partial fuel switching from gas (changes AU)	Yes	Yes	Yes
Full fuel switching away from gas				
3	-Changes Customer Count	No	No	No
4	-Changes AU	Yes	Yes	Yes
5	Variance in total customer count	No	No	No
Variance in weather				
6	-colder	No	No	Yes
7	-warmer	No	No	Yes

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 3, *General Service Degree Day and Average Use Forecasts*

Preamble:

Energy Probe wishes to understand the new AU models and compare these to the legacy models.

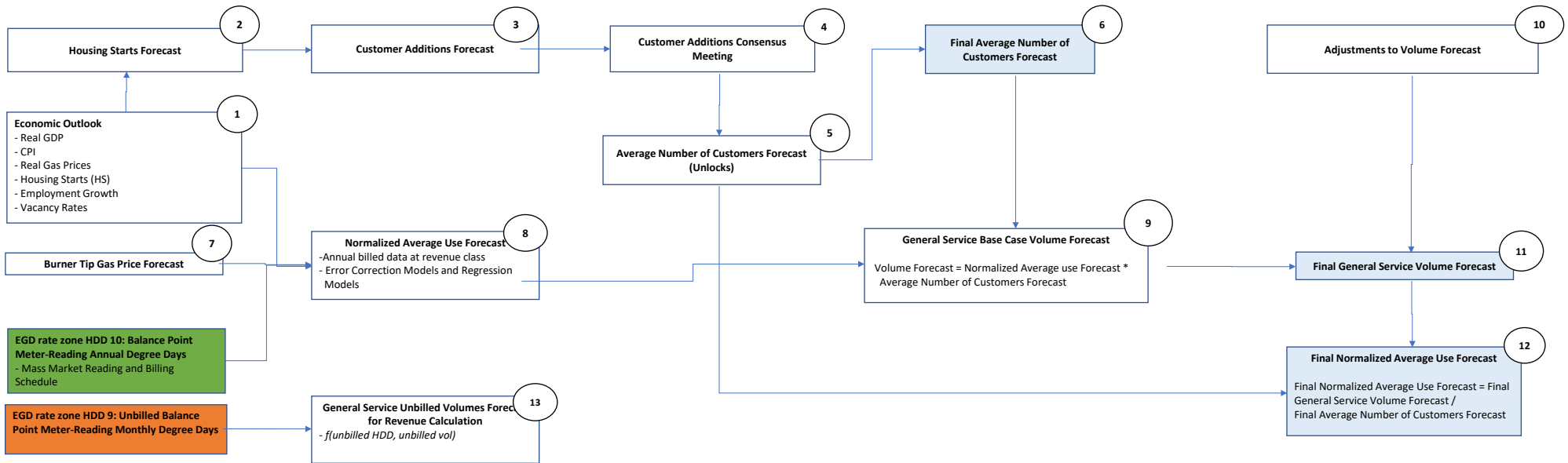
Question(s):

- a) Please provide flow charts showing the main steps in development of Degree Day, Average Use and Volume forecast under
 - i. the legacy EGD and Union and
 - ii. under the new harmonized methodology.
- b) Please provide explanatory notes.

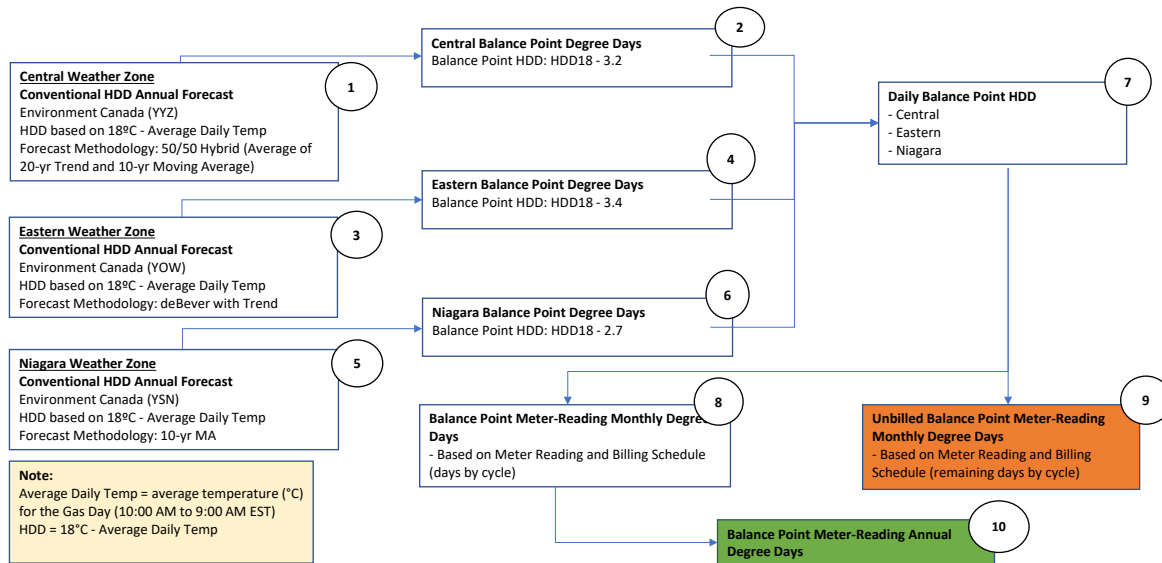
Response:

- a)
 - i.-iii. Please see Attachment 1 for the flow charts showing the main steps in development of degree day, average use and volume forecast under EGD and Union rate zones, and the new proposed/harmonized methodologies.
- b) Please see Attachment 2 for the explanatory notes.

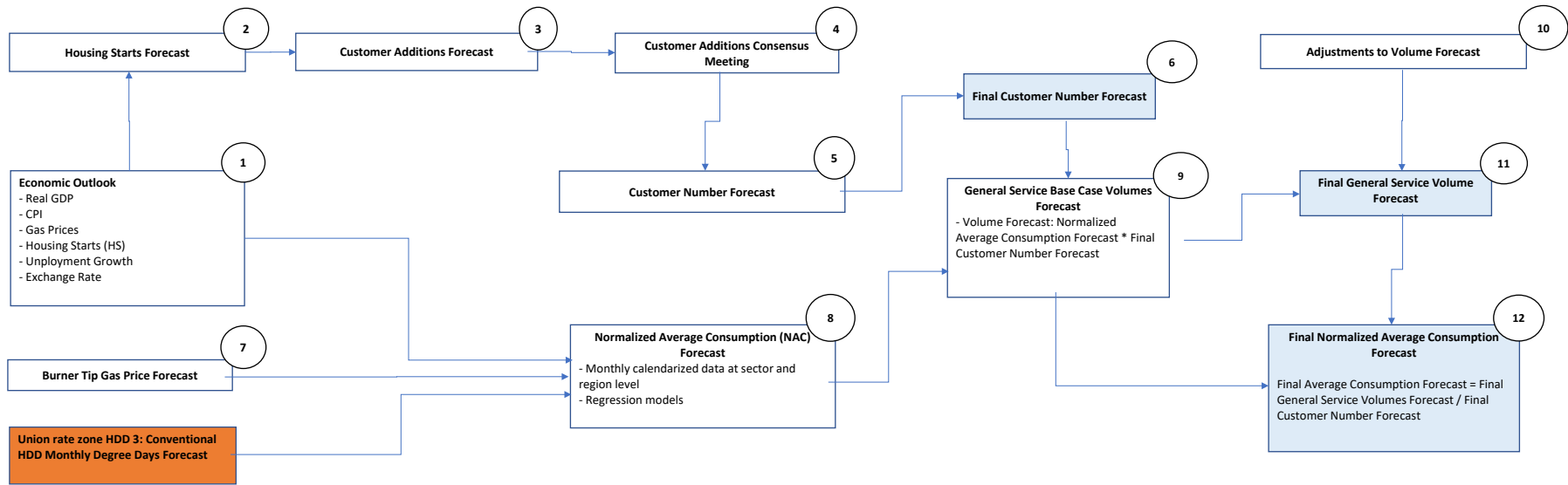
General Service Average Use and Volume Forecast Process Flow - EGD Rate Zone - Current Methodology



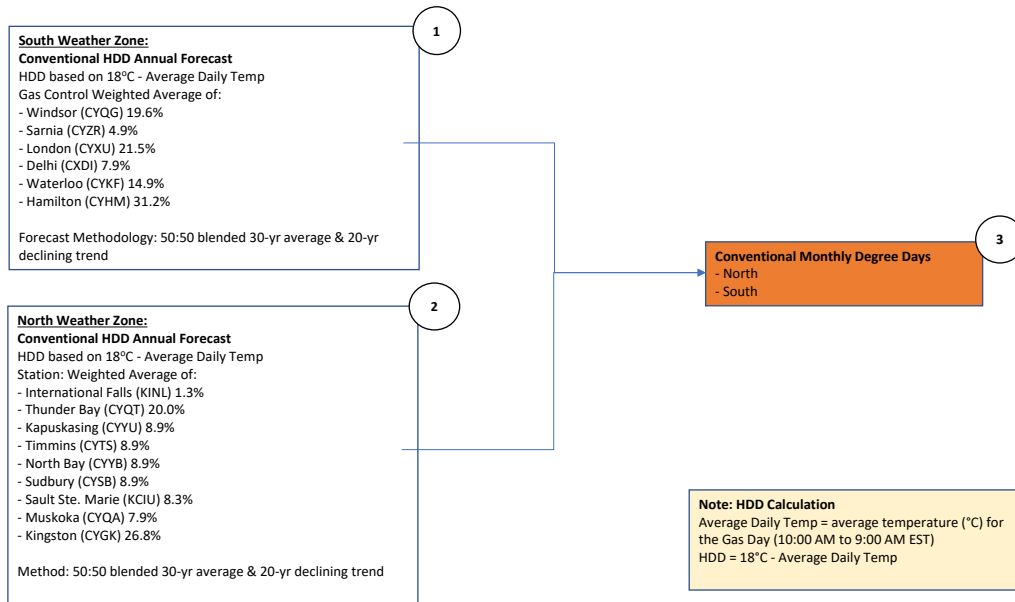
General Service Heating Degree Days Forecast Process Flow - EGD Rate Zone - Current Methodology



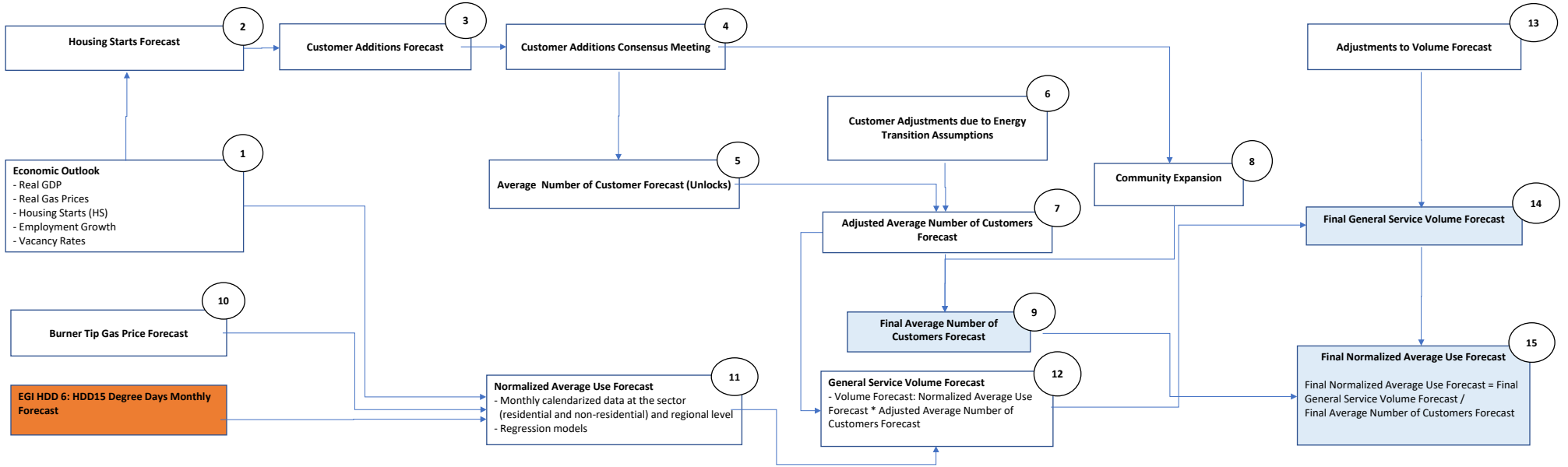
General Service Average Use and Volume Forecast Process Flow - Union Rate Zones - Current Methodology



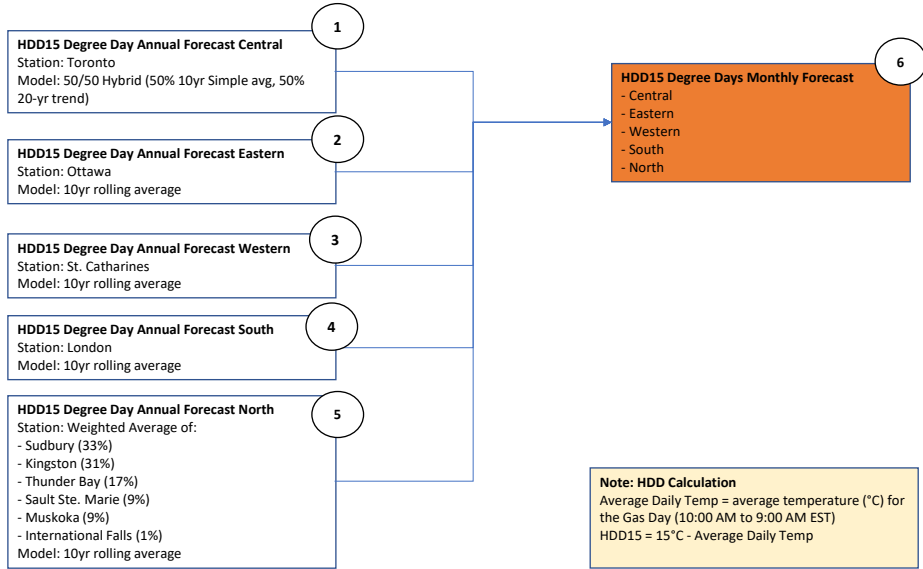
General Service Heating Degree Days Forecast Process Flow - Union Rate Zones - Current Methodology



General Service Average Use and Volume Forecast Process Flow - Enbridge Gas - Proposed Methodology



General Service Heating Degree Days Forecast Process Flow - Enbridge Gas - Proposed Methodology



AVERAGE USE AND VOLUME FORECAST

EGD Rate Zone Current Methodology

1. Economic Outlook
 - Actual from Stats Canada and Conference Board of Canada (CBOC)
 - Consensus Forecast
2. Housing Starts Forecast
 - Actual Housing Starts gathered from Canada Mortgage and Housing Corporation (CMHC)
 - Forecast: Consensus Forecast
3. Customer Additions Forecast
 - Residential new construction customer forecast is determined using Consensus non-apartment housing starts forecast (regression).
 - Residential replacement customers and customer additions for other sectors are forecasted using trend analysis.
4. Customer Additions Consensus Meeting
 - The initial annual customer additions forecast is reviewed by Enbridge Gas Construction, Operation and Sales teams and adjustments are made if required.
 - Community expansion customer forecast is also finalized
5. Average Number of Customers Forecast (Unlocks)
 - The average number of customers forecast is determined using latest actual average number of customers and customer addition forecast and historical trends. Lags/attritions (locks) reflected in trend patterns.
6. Final Average Number of Customers Forecast
 - Forecast prepared at the revenue class and then rolled up to the sector, region, and rate class level.
7. Burner Tip Gas Price Forecast
 - Forecast is determined using Consensus Henry Hub price for the commodity component.
 - Customer and distribution charges are escalated by PCI. Transportation charges are kept flat. Carbon price is also added.
8. Normalized Average Use Forecast
 - Input: Annual billed data
 - Variables: BP meter reading DD, natural gas price, vintage variable, employment, GDP, commercial vacancy rate, dummy variable, trend.
 - Forecast Methodology: Error Correction Models (ECM) and Regression Models
 - Forecast is completed at the revenue class level and then rolled up to sector, region, and rate class level.
9. General Service Base Case Volume Forecast
 - Normalized Average Use forecast multiplied by Customer Forecast determines the General Service Base Case Volume Forecast.
 - Forecast is completed at the revenue class level and then rolled up to sector, region, and rate class level.

10. Adjustments to Volume Forecast

- Base case volume forecast is adjusted by DSM volume savings based on OEB-approved DSM plan available the moment the forecast is produced.
- Customer migration
- New customer volumes are adjusted for New Building Code (when required).

11. Final General Service Volume Forecast

- Final forecast is the result of adding/subtracting the General Service Base Case Volume Forecast, and Volumetric Adjustments to General Service Volume

12. Final Normalized Average Use Forecast

- Final general service volume forecast divided by final customer forecast determines final normalized average use forecast
- Forecast is completed at the revenue class level and then rolled up to sector, region, and rate class level.

13. General Service Unbilled Volumes Forecast for Revenue Calculation

- Unbilled Volumes estimation as function of historical unbilled volumes and unbilled degree days

HEATING DEGREE DAYS FORECAST

EGD Rate Zone Current Methodology

1. Central Weather Zone: Conventional Heating Degree Day Annual Forecast
 - Base Temperature = 18 °C
 - Weather obtained from Environment Canada (EC) (YYZ)
 - Historical data from EC gathered daily and consolidated into monthly and annual
 - Determine Degree Day (DD) Forecast at the annual level using OEB-approved 50/50 Hybrid (Average of 20-yr Trend and 10 yr-MA)
 - Annual EC DD forecast is converted to annual Gas Supply (GS) forecast using regression
 - Annual GS annual forecast is broken down into monthly and daily
2. Central Weather Zone: Balance Point Heating Degree Day Forecast
 - Base Temperature = 14.8 °C
 - Daily Balance Point (BP) calculation: Daily Conventional Degree Day - 3.2°C
3. Eastern Weather Zone: Conventional Heating Degree Day Annual Forecast
 - Base Temperature = 18 °C
 - Weather obtained from EC (YOW)
 - Historical data from EC gathered daily and consolidated into monthly and annual
 - Determine DD Forecast at the annual level using OEB-approved deBever with Trend
 - Annual EC DD forecast is converted to annual GS forecast using regression
 - Annual GS annual forecast is broken down into monthly and daily
4. Eastern: Balance Point Heating
 - Base Temperature = 14.6°C
 - Eastern Daily BP calculation: Daily Conventional Degree Day - 3.4°C
5. Niagara Weather Zone: Conventional Heating Degree Day Annual Forecast
 - Base Temperature = 18 °C
 - Weather obtained from EC (YSN)
 - Historical data from EC gathered daily and consolidated into monthly and annual
 - Determine DD Forecast at the annual level using OEB-approved 10-yr MA
 - Annual EC DD forecast is converted to annual GS forecast using regression
 - Annual GS annual forecast is broken down into monthly and daily
6. Niagara: Balance Point Heating
 - Base Temperature = 15.3°C
 - Niagara Daily BP: Daily Conventional Degree Day - 2.7°C
7. Daily Balance Point Heating Degree Days

Daily Consolidated table for the three weather zones:

 - Central
 - Eastern
 - Niagara

8. Monthly Billed Balance Point Meter-Reading Degree Day Forecast
 - Daily BP DD and meter reading billing schedule combined with customers (unlocks) used to determine monthly Billed BP Meter Reading DD for each of the three weather zones (Central, Eastern, Niagara).

9. Monthly Unbilled Balance Point Meter-Reading Monthly Degree Day Forecast
 - Daily BP DD and meter reading unbilled schedule combined with customers (unlocks) used to determine monthly Unbilled BP Meter Reading DD for each of the three weather zones (Central, Eastern, Niagara).

10. Balance Point Meter-Reading Annual Degree Day
 - Monthly BP Meter-Reading DD summed to determine annual meter reading DDs to be used in the Average Use (AU) forecast.

NORMALIZED AVERAGE CONSUMPTION AND VOLUME FORECAST

Union Rate Zones Current Methodology

1. Economic Outlook
 - Actual from Stats Canada and Conference Board of Canada (CBOC)
 - Forecast: Consensus Forecast
2. Housing Starts Forecast
 - Actual Housing Starts gathered from Canada Mortgage and Housing Corporation (CMHC)
 - Forecast: Consensus Forecast
3. Customer Additions Forecast
 - Residential new construction customer forecast is determined using Consensus housing starts forecast and market share penetration ratio.
 - Residential replacement customers and customer additions for other sectors are forecasted using trend analysis based on non-residential proportion to residential attachments.
4. Customer Additions Consensus Meeting
 - Initial annual customer additions forecast is reviewed by Enbridge Gas Construction, Operations and Sales teams and adjustments are made if required
 - Community expansion customer forecast is also finalized
5. Customer Number Forecast (Unlocks)
 - Customer count at end of year is derived from adding customer additions to most recent year end customer count and subtracting shrinkage assumption.
 - Forecast performed at the sector, region, and rate class level
6. Final Customer Number Forecast
 - Monthly customer count level determined by applying historical month-to-month unlocks change to most recent actual customer count
 - Forecast performed at the sector, region, rate class level.
7. Burner Tip Gas Price Forecast
 - Burner tip Natural Gas Price forecast based on Consensus commodity price forecast and federal carbon tax assumptions
8. Normalized Average Consumption Forecast
 - Input: calendarized monthly data
 - Variable: weather (HDD), Price/total bill amount, FEI, PPH, economic indicators, binary (dummy) variable.
 - Forecast Methodology: Regression Models. Average use and Volume equations
 - Forecast is completed at the sector, region level.
9. General Service Base Case Volume Forecast
 - Normalized Average Use forecast multiplied by Customer Forecast determines the General Service Base Case Volume Forecast.
 - Forecast is completed at the sector and region level, then is broken down to rate class level, delivery service area and delivery service option

10. Adjustments to Volume Forecast

- Base case volume forecast is adjusted by DSM volume savings based on OEB-approved DSM plan available the moment the forecast is produced.
- Customer migration

11. Final Volume Forecast

- Final forecast is the result of adding/subtracting the General Service Base Case Volume Forecast, and Volumetric Adjustments to General Service Volume

12. Final Normalized Average Consumption Forecast

- Final general service volume forecast divided by final customer forecast determines final normalized average use forecast
- Forecast is completed at the sector, region, and rate class level, delivery service area and delivery service option

HEATING DEGREE DAYS FORECAST

Union Rate Zones Current Methodology

1. South Weather Zone: Conventional Heating Degree Day Annual Forecast

- Base Temperature = 18°C
- Weather obtained from Gas Control
- Weighted average of weather data from six weather stations
 - Windsor (CYQG) 19.6%
 - Sarnia (CYZR) 4.9%
 - London (CYXU) 21.5%
 - Delhi (CXDI) 7.9%
 - Waterloo (CYKF) 14.9%
 - Hamilton (CYHM) 31.2%
- Determine GS DD Forecast at the annual level using OEB-approved 50:50 (30yr-MA & 20-yr-trend)
- Annual GS DD forecast is broken down into monthly and daily

2. North Weather Zone: Conventional Heating Degree Day Annual Forecast

- Base Temperature = 18°C
- Weather obtained from Gas Control
- Weighted average of weather data from nine Weather Stations
 - International Falls (KINL) 1.3%
 - Thunder Bay (CYQT) 20.0%
 - Kapuskasing (CYYU) 8.9%
 - Timmins (CYTS) 8.9%
 - North Bay (CYYB) 8.9%
 - Sudbury (CYSB) 8.9%
 - Sault Ste. Marie (KCIU) 8.3%
 - Muskoka (CYQA) 7.9%
 - Kingston (CYGK) 26.8%
- Historical data gathered daily and consolidated monthly and annual
- Determine GS DD Forecast at the annual level using OEB-approved 50:50 (30yr-MA & 20-yr-trend)
- Annual GS DD forecast is broken down into monthly and daily

3. Conventional Monthly Degree Days

Monthly Consolidated table for the two weather zones:

- South
- North

4. Conventional Monthly Degree Day

- Conventional monthly DD to be used in the Normalized Average Consumption (NAC) forecast.

AVERAGE USE AND VOLUME FORECAST

Enbridge Gas Proposed Methodology

1. Economic Outlook
 - Actuals from Stats Canada and Conference Board of Canada (CBOC)
 - Forecast: Consensus Forecast
2. Housing Starts Forecast
 - Actual Housing Starts gathered from Canada Mortgage and Housing Corporation (CMHC)
 - Forecast: Consensus Forecast
3. Customer Additions Forecast
 - Residential new construction customer forecast is determined using non-apartment housing starts forecast (regression).
 - Residential replacement customers and customer additions for other sectors are forecasted using trend analysis.
4. Customer Additions Consensus Meeting
 - Initial annual customer additions forecast is reviewed by Enbridge Gas Construction, Operation and Sales teams and adjustments are made if required.
 - Community expansion customer forecast is also finalized
5. Average Number of Customers Forecast (Unlocks)
 - Average number of customers forecast is determined using latest available average number of customer forecast and customer addition forecast
 - Shrinkage assumption is based on 5-year average
 - Forecast prepared at sector and region level
6. Customer Adjustments due to Energy Transition Assumptions
 - Assumption 1: Fuel switching applied to existing customers starting from 2026
 - Assumption 2: Voluntarily net zero and NG Ban applied to new construction customer additions starting from 2023
 - Assumption 3: Conversion to NG applied to replacement customer additions starting from 2030.
7. Adjusted Average Number of Customers Forecast
 - Forecast is the result of adding average number of customers and customer adjustments due to Energy Transition Assumptions
 - Forecast is completed at the sector level (residential and non-residential) and region.
8. Community Expansion Customer Forecast
 - Forecast is completed at the sector level and region.
9. Final Average Number of Customers Forecast
 - Result of adding Adjusted Average Number of Customers Forecast and Community Expansion Customers Forecast.
 - Forecast is completed at the sector level (residential and non-residential) and region.

10. Burner Tip Gas Price Forecast

- Forecast is determined using Consensus Henry Hub price for the commodity component.
- Customer and distribution charges are escalated by PCI. Transportation charges are kept flat. Carbon price is also based on the assumption of \$170 per tonne by 2030

11. Normalized Average Use Forecast

- Input: monthly calendarized data
- Variables: Calendar month degree day based on a base temperature of 15°C, Real natural gas burner tip price, Vintage variable, Employment, GDP, AR-term, Dummy, and Trend variables.
- Forecast Methodology: Regression Models
- Forecast is completed at the sector (residential and non-residential) and regional level.

12. General Service Volume Forecast

- Normalized Average Use Forecast multiplied by Adjusted Average Number of Customers Forecast determines the General Service Volume Forecast.

13. Adjustments to Volume Forecast:

- General Service Volume Forecast is adjusted for Future DSM and Community Expansion, Customer Migration, and New Building Code (in future applications).

14. Final General Service Volume Forecast

- Forecast is completed at the sector level, regional level

15. Final Normalized Average Use Forecast

- Final General Service Volume Forecast divided by Final Average Number of Customers Forecast determines Final Average Use Forecast.

HEATING DEGREE DAYS FORECAST

Enbridge Gas Proposed Methodology

1. Central Weather Zone Annual Heating Degree Day Forecast
 - Base Temperature = 18°C
 - Weather obtained from Gas Control (CYYZ)
 - Determine GS DD Forecast at the annual level using proposed methodology 50/50 Hybrid (Average of 20-yr Trend and 10 yr-MA)
 - Annual GS DD forecast is broken down into monthly and daily
2. East Weather Zone Annual Heating Degree Day Forecast
 - Base Temperature = 18°C
 - Weather obtained from Gas Control (CYOW)
 - Determine GS DD Forecast at the annual level using proposed methodology 10 yr-MA
 - Annual GS DD forecast is broken down into monthly and daily
3. West Weather Zone Annual Heating Degree Day Forecast
 - Base Temperature = 18°C
 - Weather obtained from Gas Control (CYSN)
 - Determine GS DD Forecast at the annual level using proposed methodology 10 yr-MA
 - Annual GS DD forecast is broken down into monthly and daily
4. South Weather Zone Annual Heating Degree Day Forecast
 - Base Temperature = 18°C
 - Weather obtained from Gas Control (CYXU)
 - Determine GS DD Forecast at the annual level using proposed methodology 10 yr-MA
 - Annual GS DD forecast is broken down into monthly and daily
5. North Weather Zone Annual Heating Degree Day Forecast
 - Base Temperature = 18°C
 - Weather obtained from Gas Control
 - Weighted average of weather data from nine Weather Stations
 - International Falls (KINL) 1.0%
 - Thunder Bay (CYQT) 17.0%
 - Sudbury (CYSB) 33.0%
 - Sault Ste. Marie (KCIU) 9.0%
 - Muskoka (CYQA) 9.0%
 - Kingston (CYGK) 31.0%
 - Determine GS DD Forecast at the annual level using proposed methodology 10 yr-MA
 - Annual GS DD forecast is broken down into monthly and daily
6. Degree Day Forecast based on 18°C converted to Degree Day Forecast based on 15°C
 - Base Temperature = 15°C
 - Daily calculation: Daily Degree Day based on 18°C - 3°C
 - Daily calculation completed for all five weather zones (Central, East, West, South and North)
7. Monthly Degree Days Forecast

Monthly Consolidated table for the five regions:

 - Central

- Eastern
- Western
- South
- North

8. Conventional Monthly Degree Day

- Monthly DD forecast based on 15°C to be used in the Average Use (AU) forecast

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 3; EB-2022-0133 EP-2 IRR Historic/legacy AU Data

Question(s):

- a) Please provide 2021 actual normalized average use for Rate 1 and Rate 6.
- b) Please provide a Table with the values and corresponding values in the current filing. Compare to historic and explain any differences.

Response:

a - b) Table 1 shows 2021 actual normalized average use and the 2022 to 2023 forecast average use from 2023 rates proceeding¹ and the proposed normalized average use from this Application. Note that the forecast from 2023 rates² was generated by using OEB-approved methodologies in place at the time and normalized to 2023 degree day forecasts. The proposed average use forecast was generated by using the proposed methodologies in this application and normalized to 2024 proposed degree day forecasts. The two sets of forecasts provided in Table 1 are not directly comparable because two different methodologies were utilized and they were each normalized to a different degree day forecast.

¹ EB-2022-0133.

² EB-2022-0133.

Table 1
Normalized Average Use (m³)

Line No.	Rate Class	EB-2022-0133 (1)			EB-2022-0200 (2)		
		<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
		Actual	Forecast	Forecast	Actual	Forecast	Forecast
		(a)	(b)	(c)	(d)	(e)	(f)
1	Rate 1	2,378	2,385	2,360	2,373	2,349	2,334
2	Rate 6	27,526	27,294	28,390	27,159	28,232	28,042

Note:

- (1) Normalized to 2023 degree day forecasts
- (2) Normalized to 2024 proposed degree day forecasts.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 3; EB-2022-0133 EP-2 IRR Historic AU Data Table 5

Question(s):

- a) For Rate 1 please provide the new Model equations for each of the equivalent rate zones
- b) Also, please provide the short-run equations.
- c) Please comment on the main changes to the models, variables, coefficients etc.

Response:

The references to this question relate to degree day forecasting and historic average use provided in a prior proceeding. Based on the questions asked Enbridge Gas has interpreted this question as referring to the proposed average use forecasting models provided at Exhibit 3, Tab 2, Schedule 5. The responses below are provided based on this interpretation.

a-c) The new average use forecasting model equations are provided at Exhibit 3, Tab 2, Schedule 5, Attachments 4 and 5 for the residential and non-residential sectors respectively. Enbridge Gas is not proposing to continue to use the average use forecasting models that were previously used for forecasting average use in the EGD rate zone. The new average use forecasting models are single equation models that forecast average use by sector for each of Enbridge Gas's five weather zones. Consequently, there are no short run equations in any of the proposed forecasting models. Further the proposed average use forecasting models forecast average use for residential and non-residential general service customers. The proposed models do not forecast average use for the general service rate classes of EGD and Union.

The proposed average use forecast is a mix of the historical methodologies used for the EGD and Union rate zones average use forecasts. The similarities and differences are provided in further detail at Exhibit 3, Tab 2, Schedule 5.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 3, Degree Day Forecasts-Table 12; EB- 2022-0133 EP
-2 Tables 2 and Table 7 for the Central Weather Zone

Question(s):

- a) Please confirm/modify the Table 2 forecast Values.
- b) Please provide and compare the current forecasts and explain any differences.
- c) Please provide the Table 7 Central Zone HDD Values for 2023.
- d) Provide and compare the new HDD actuals and explain any differences.
- e) Please provide the 2024 EC and HDD forecasts

Response:

- a) Confirmed.
- b) The EGD rate zone historic degree day forecast is initially generated using Environment Canada degree days and then this forecast is converted to gas supply degree days. Table 2 provided at EB-2022-0133, Exhibit I.EP.2, Attachment 1 includes the Central weather zone Environment Canada degree day forecast. This forecast was then converted to the gas supply degree day forecast in Table 7. The 2023 Central weather zone gas supply degree day forecast using 50/50 Hybrid methodology was 3,566.

Enbridge Gas's proposed Central weather zone degree day forecast is generated using gas supply degree day data directly. The proposed method removes the need to first generate the forecast using Environment Canada degree days. The 2023 Central weather zone gas supply degree day forecast using the proposed 50/50 Hybrid methodology would have been 3,565.

c) As explained in part b), the proposed methodology doesn't convert the Environment Canada degree day forecast to the gas supply degree day forecast. Therefore, Table 7 in EB-2022-0133, Exhibit I.EP.2, Attachment 1 cannot be updated based on the proposed methodology.

Table 1 shows the calculation of the 2023 Central weather zone gas supply degree day forecast of 3,565 based on the proposed methodology.

Table 1
Central Weather Zone: Actual and Forecast Heating Degree Day

Line No.	Calendar Year (a)	Actual (1) (b)
1	2002	3,597
2	2003	3,949
3	2004	3,766
4	2005	3,750
5	2006	3,355
6	2007	3,659
7	2008	3,802
8	2009	3,767
9	2010	3,466
10	2011	3,597
11	2012	3,194
12	2013	3,746
13	2014	4,044
14	2015	3,710
15	2016	3,412
16	2017	3,499
17	2018	3,728
18	2019	3,887
19	2020	3,459
20	2021	3,301
21	2023 Forecast (10-year Moving average)	3,598
22	2023 Forecast (20-year Trend) (2)	3,532
23	2023 Forecast (50/50 Hybrid) (3)	3,565

Notes:

- (1) Actual heating degree day observations are from an independent weather service (DTN Meteorlogix); CYYZ station.
- (2) Calculated using the 20-year Trend regression equation:
 Central Gas Supply Degree Day= 3,728.1-8.9341*TREND
- (3) Average of 10-year Moving average and 20-year Trend forecasts.

d) There are no new HDD actuals. The data in Exhibit I.EP 2, Attachment 1, Table 7, column 3, is the same data used in Exhibit 3, Tab, 2, Schedule 3, Table 12. Both are gas supply degree days.

- e) Enbridge Gas's proposed degree day methodology does not require developing a forecast of Environment Canada degree days and then converting that forecast to a gas supply degree day forecast. As seen in part b) and c), the proposed approach of using gas supply degree days directly in determining the gas supply degree day forecast doesn't create a material difference versus the historic methodology, and furthermore, it brings simplicity to the process of forecasting degree days.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 3, Table 12, and Page 9, Table 2

Preamble:

“The Diagnostic Tests show that for historic years, the 20-year Trend is not the best method.”

Question(s):

- a) Why is EGI using the 20-year trend, rather than the method with the lowest score?
- b) Please confirm the 50:50 trend has the lowest score.
- c) Please provide and compare the 20-year trend and 50;50 results in terms of 2024 HDD.
- d) Provide the error (DD and %) from using the 20-year trend instead of the 50;50 method.

Response:

- a) Enbridge Gas is not proposing to use the 20-year trend model. As provided at Exhibit 3, Tab 2, Schedule 3, page 2, paragraph 6, Enbridge Gas is requesting OEB approval to use the 50/50 Hybrid approach to forecast heating degree days for the Central weather zone and the 10-Year Moving Average approach to forecast heating degree days for all other weather zones. The 50/50 Hybrid approach is an average of the degree day forecasts from the 20-year Trend approach and the 10-year Moving Average approach.
- b) Confirmed. The 50/50 Hybrid approach has the lowest score for the Central weather zone.
- c) Please see Exhibit 3, Tab 2, Schedule 3, Table 12. The 20 yr-Trend and 10-yr MA forecasts of degree days for the 2024 Test Year for the Central weather zone are

3,523 and 3,598 respectively. Therefore, the 50/50 Hybrid forecast (Average of 20-yr Trend and 10-yr MA) is 3,560 for the 2024 Test Year. The 50/50 Hybrid approach produces a 2024 Test Year degree day forecast for the Central weather zone that is 37 degree days higher (or 1% higher) than the 20-yr Trend approach.

d) Please see response to part c).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, plus Attachments Page 7, Figure 1

Question(s):

- a) Is Figure 1 a compilation of the AU of all existing Residential rate zones?
- b) Please confirm which legacy rates/zones are included in the historical average gas use per customer. (Figure 1).
- c) Please provide a version of Figure 1 with the data points shown.
- d) Please provide a detailed explanation how Figure 1 was produced.
- e) Please provide the Working Papers for Figure 1 in excel format.
- f) Please plot on the same graph the legacy residential average use data showing year actuals 2006-2021 with prior AU models for each of
 - i. EGD Rate 1
 - ii. Union Rate 01
 - iii. Rate M1

Response:

- a) Yes.
- b) EGD rate zone Rate 1, and Union rate zone Rate M1 residential, Rate M2 residential and Rate 01 residential are included in Figure 1.
- c-e) Please note that the data shown in Exhibit 3, Tab 2, Schedule 5, page 7, Figure 1 is incorrect. Please see Attachment 1 for the working papers which include the corrected data, an updated Figure 1, and the forecast for 2022 to 2024 in excel.

To produce Figure 1 the Central, East, West, South and North weather zones' residential normalized average use by month are multiplied by the related weather zones residential customer numbers by month to determine volumes for each of the five weather zones by month. The total residential volume by month is calculated by adding volumes from each of these five weather zones. Residential average use is then determined by dividing total residential volumes by month by the total residential customers by month. Annual average use is the sum of average use by month within a given year.

- f) Please see Attachment 1, Figure 2 which shows Rate 1, Rate 01 (residential) and Rate M1 (residential) actual normalized average use for the period of 2012 to 2021 that are normalized to 2023 degree days as filed in Enbridge Gas's 2013 Rates proceeding¹. Pre-2012 data is not available.

¹ EB-2022-0133.

Residential by weather zones	Central Residential norm'ed AU	East Residential norm'ed AU	West Residential norm'ed AU	South Residential norm'ed AU	North Residential norm'ed AU
Residential by weather and Rate class	Central Rate 1	East Rate 1	West Rate 1	South M1 and M2	North Rate 01
Jan-06	541	451	440	442	464
Feb-06	402	368	345	393	385
Mar-06	408	344	341	324	319
Apr-06	205	185	187	225	223
May-06	109	86	95	87	108
Jun-06	90	66	68	56	55
Jul-06	72	53	54	62	54
Aug-06	68	51	52	53	47
Sep-06	57	50	44	61	66
Oct-06	171	152	137	123	131
Nov-06	324	279	276	259	284
Dec-06	386	358	327	366	374
Jan-07	528	451	437	432	453
Feb-07	393	373	352	393	385
Mar-07	410	348	349	344	335
Apr-07	214	193	198	228	232
May-07	114	84	99	108	112
Jun-07	85	64	63	59	55
Jul-07	75	58	55	61	55
Aug-07	71	52	51	55	48
Sep-07	62	48	47	59	65
Oct-07	164	148	131	113	131
Nov-07	327	277	276	216	250
Dec-07	388	347	320	370	374
Jan-08	523	445	438	455	472
Feb-08	448	395	379	388	382
Mar-08	321	305	293	346	306
Apr-08	215	173	194	200	223
May-08	102	81	88	95	103
Jun-08	83	61	65	45	65
Jul-08	78	56	59	61	56
Aug-08	66	52	50	57	49
Sep-08	59	48	41	56	60
Oct-08	158	143	117	110	123
Nov-08	308	275	259	252	256
Dec-08	395	362	331	366	375
Jan-09	501	445	412	435	455
Feb-09	400	356	336	366	360
Mar-09	346	322	297	331	323
Apr-09	217	188	191	216	221
May-09	98	76	79	100	102
Jun-09	91	64	67	47	51
Jul-09	73	58	56	65	56
Aug-09	69	61	53	60	50
Sep-09	66	58	50	59	54
Oct-09	138	116	100	127	143

Residential by weather zones	Central Residential norm'ed AU	East Residential norm'ed AU	West Residential norm'ed AU	South Residential norm'ed AU	North Residential norm'ed AU
Residential by weather and Rate class	Central Rate 1	East Rate 1	West Rate 1	South M1 and M2	North Rate 01
Nov-09	264	234	222	243	263
Dec-09	393	352	316	323	348
Jan-10	464	415	374	446	443
Feb-10	434	373	356	367	371
Mar-10	369	329	306	309	311
Apr-10	237	195	210	204	213
May-10	110	85	95	75	91
Jun-10	75	65	55	65	60
Jul-10	50	38	32	56	47
Aug-10	42	35	28	51	44
Sep-10	82	60	61	56	54
Oct-10	129	114	97	114	131
Nov-10	259	236	215	236	255
Dec-10	395	355	322	349	358
Jan-11	456	425	381	414	434
Feb-11	409	352	341	363	355
Mar-11	355	314	301	314	324
Apr-11	219	185	198	196	206
May-11	143	110	121	107	115
Jun-11	64	50	50	62	56
Jul-11	59	44	47	61	45
Aug-11	45	38	46	47	39
Sep-11	75	53	39	54	46
Oct-11	134	123	103	115	135
Nov-11	277	238	237	247	253
Dec-11	391	349	319	350	362
Jan-12	471	411	392	411	436
Feb-12	425	357	360	370	373
Mar-12	367	309	311	313	317
Apr-12	226	186	195	183	202
May-12	99	71	81	74	101
Jun-12	70	54	48	64	55
Jul-12	54	39	39	52	39
Aug-12	48	41	29	47	42
Sep-12	74	54	55	58	46
Oct-12	111	95	79	107	134
Nov-12	285	239	230	244	266

Residential by weather zones	Central Residential norm'ed AU	East Residential norm'ed AU	West Residential norm'ed AU	South Residential norm'ed AU	North Residential norm'ed AU
Residential by weather and Rate class	Central Rate 1	East Rate 1	West Rate 1	South M1 and M2	North Rate 01
Dec-12	384	337	303	329	352
Jan-13	467	414	381	411	429
Feb-13	412	351	335	366	378
Mar-13	341	310	285	298	304
Apr-13	234	195	206	197	203
May-13	106	76	96	84	103
Jun-13	67	57	51	64	60
Jul-13	52	41	38	55	46
Aug-13	49	34	35	53	44
Sep-13	78	64	52	61	50
Oct-13	133	117	96	105	117
Nov-13	256	232	211	227	259
Dec-13	380	341	304	340	345
Jan-14	446	409	370	406	406
Feb-14	403	355	341	351	340
Mar-14	335	294	288	290	302
Apr-14	230	197	202	210	228
May-14	125	95	104	91	126
Jun-14	45	31	30	65	55
Jul-14	70	55	53	53	47
Aug-14	60	43	36	57	46
Sep-14	66	49	47	58	51
Oct-14	138	119	99	106	129
Nov-14	262	235	215	231	251
Dec-14	387	345	312	347	358
Jan-15	436	393	362	400	423
Feb-15	390	342	326	346	338
Mar-15	331	288	277	279	297
Apr-15	233	196	203	187	205
May-15	106	75	81	81	96
Jun-15	62	49	48	67	58
Jul-15	53	36	40	60	42
Aug-15	65	52	45	51	40
Sep-15	60	44	43	58	45
Oct-15	139	115	101	99	121
Nov-15	263	228	215	231	253
Dec-15	383	338	309	328	347
Jan-16	438	388	361	391	423
Feb-16	404	346	345	345	336
Mar-16	343	293	296	303	314
Apr-16	197	176	180	198	194
May-16	107	70	78	89	98
Jun-16	58	50	41	69	52
Jul-16	64	45	42	49	37

Residential by weather zones	Central Residential norm'ed AU	East Residential norm'ed AU	West Residential norm'ed AU	South Residential norm'ed AU	North Residential norm'ed AU
Residential by weather and Rate class	Central Rate 1	East Rate 1	West Rate 1	South M1 and M2	North Rate 01
Aug-16	57	32	44	49	40
Sep-16	58	59	40	50	46
Oct-16	130	114	92	96	120
Nov-16	256	223	210	229	250
Dec-16	375	330	303	309	339
Jan-17	453	398	381	404	428
Feb-17	401	345	346	352	350
Mar-17	336	283	282	303	298
Apr-17	228	188	198	205	220
May-17	114	85	89	89	100
Jun-17	63	57	50	63	60
Jul-17	51	42	32	57	45
Aug-17	58	45	46	52	31
Sep-17	68	53	50	59	52
Oct-17	137	119	98	105	122
Nov-17	260	227	216	225	248
Dec-17	365	326	298	314	330
Jan-18	439	395	366	397	420
Feb-18	407	354	343	349	355
Mar-18	335	294	286	291	307
Apr-18	216	182	195	189	188
May-18	112	78	96	105	106
Jun-18	83	66	63	60	53
Jul-18	42	32	29	54	35
Aug-18	41	35	33	53	36
Sep-18	76	53	54	51	44
Oct-18	132	113	95	99	126
Nov-18	251	225	211	239	261
Dec-18	374	328	305	331	341
Jan-19	435	384	365	383	406
Feb-19	394	337	340	354	351
Mar-19	337	288	292	294	299
Apr-19	220	185	200	196	201
May-19	104	77	81	108	103
Jun-19	75	61	61	72	68
Jul-19	72	53	54	57	42
Aug-19	59	33	27	50	36
Sep-19	58	55	61	56	51
Oct-19	139	122	109	114	122
Nov-19	234	216	198	230	252
Dec-19	367	330	295	337	345
Jan-20	443	388	377	382	405
Feb-20	396	338	344	341	352
Mar-20	337	288	293	294	303
Apr-20	216	181	195	191	197
May-20	102	66	79	97	96

Residential by weather zones	Central Residential norm'ed AU	East Residential norm'ed AU	West Residential norm'ed AU	South Residential norm'ed AU	North Residential norm'ed AU
Residential by weather and Rate class	Central Rate 1	East Rate 1	West Rate 1	South M1 and M2	North Rate 01
Jun-20	63	54	48	67	59
Jul-20	77	57	56	51	28
Aug-20	63	48	47	54	43
Sep-20	55	42	33	69	65
Oct-20	146	123	102	118	136
Nov-20	260	227	221	259	270
Dec-20	368	326	305	315	341
Jan-21	431	381	368	376	396
Feb-21	387	331	331	325	329
Mar-21	328	281	286	288	297
Apr-21	213	180	190	190	203
May-21	87	64	69	92	101
Jun-21	74	56	62	74	63
Jul-21	72	54	52	58	36
Aug-21	60	46	46	58	44
Sep-21	59	44	46	60	52
Oct-21	125	116	92	103	128
Nov-21	264	222	220	218	230
Dec-21	369	317	303	332	342
Jan-22	450	398	371	397	419
Feb-22	394	341	331	347	348
Mar-22	336	292	285	292	298
Apr-22	207	174	184	190	198
May-22	97	66	76	86	91
Jun-22	52	37	36	54	40
Jul-22	52	37	36	54	40
Aug-22	52	37	36	54	40
Sep-22	52	40	36	54	45
Oct-22	126	109	90	104	118
Nov-22	259	225	213	230	246
Dec-22	369	327	298	326	341
Jan-23	449	396	370	397	418
Feb-23	393	340	330	347	347
Mar-23	335	291	284	292	298
Apr-23	206	173	182	189	197
May-23	96	65	75	85	91

Residential by weather zones	Central Residential norm'ed AU	East Residential norm'ed AU	West Residential norm'ed AU	South Residential norm'ed AU	North Residential norm'ed AU
Residential by weather and Rate class	Central Rate 1	East Rate 1	West Rate 1	South M1 and M2	North Rate 01
Jun-23	51	36	35	53	39
Jul-23	51	36	35	53	39
Aug-23	51	36	35	53	39
Sep-23	51	39	35	53	44
Oct-23	125	108	89	103	118
Nov-23	258	224	212	229	245
Dec-23	367	326	297	325	341
Jan-24	448	395	369	396	418
Feb-24	392	339	328	346	346
Mar-24	334	290	282	291	297
Apr-24	206	172	181	189	197
May-24	95	64	73	85	90
Jun-24	50	35	34	53	38
Jul-24	50	35	34	53	38
Aug-24	50	35	34	53	38
Sep-24	50	38	34	53	44
Oct-24	124	107	87	103	117
Nov-24	257	223	210	229	245
Dec-24	367	325	295	325	340
ANNUAL					
2006	2,833	2,443	2,367	2,451	2,510
2007	2,831	2,443	2,377	2,437	2,495
2008	2,755	2,395	2,313	2,431	2,471
2009	2,658	2,330	2,179	2,372	2,425
2010	2,647	2,299	2,150	2,327	2,378
2011	2,626	2,283	2,184	2,330	2,370
2012	2,614	2,195	2,123	2,254	2,362
2013	2,574	2,233	2,089	2,262	2,339
2014	2,567	2,228	2,097	2,265	2,341
2015	2,521	2,157	2,051	2,187	2,266
2016	2,487	2,125	2,033	2,178	2,250
2017	2,534	2,167	2,084	2,227	2,284
2018	2,506	2,156	2,078	2,219	2,273
2019	2,494	2,141	2,082	2,251	2,274
2020	2,526	2,138	2,100	2,239	2,296
2021	2,469	2,093	2,065	2,174	2,221
2022F	2,447	2,081	1,994	2,188	2,223
2023F	2,435	2,069	1,977	2,181	2,216
2024F	2,423	2,057	1,961	2,175	2,209

	Central Residential customers	East Residential customers	West Residential customers	South Residential customers	North Residential customers	Total Residential Customers
Jan-06	1,239,341	237,777	137,640	872,181	263,395	2,750,334
Feb-06	1,243,013	238,499	137,846	873,217	263,466	2,756,041
Mar-06	1,246,810	239,113	138,027	874,719	263,734	2,762,403
Apr-06	1,249,278	239,595	138,190	876,316	264,110	2,767,489
May-06	1,250,063	239,617	137,984	877,796	264,155	2,769,615
Jun-06	1,249,805	239,481	137,768	877,613	264,271	2,768,938
Jul-06	1,250,683	239,615	137,721	879,223	264,848	2,772,090
Aug-06	1,251,879	239,844	137,604	879,467	264,751	2,773,545
Sep-06	1,253,814	240,584	137,664	881,985	265,109	2,779,156
Oct-06	1,258,175	241,465	137,944	882,384	265,668	2,785,636
Nov-06	1,263,777	242,602	138,377	885,319	266,321	2,796,396
Dec-06	1,268,630	243,872	138,727	887,664	266,733	2,805,626
Jan-07	1,272,683	245,186	139,028	888,516	266,749	2,812,162
Feb-07	1,275,729	245,902	139,285	890,279	267,061	2,818,256
Mar-07	1,278,981	246,369	139,543	891,393	267,171	2,823,457
Apr-07	1,281,192	246,844	139,626	892,435	267,539	2,827,636
May-07	1,281,805	247,046	139,517	894,655	267,867	2,830,890
Jun-07	1,280,886	246,811	139,270	893,965	267,874	2,828,806
Jul-07	1,280,878	246,800	139,082	895,455	268,065	2,830,280
Aug-07	1,281,875	247,164	139,054	896,466	268,400	2,832,959
Sep-07	1,284,438	247,833	139,173	898,013	268,663	2,838,120
Oct-07	1,288,298	249,017	139,351	898,231	268,948	2,843,845
Nov-07	1,293,456	250,238	139,723	900,986	269,904	2,854,307
Dec-07	1,298,457	251,541	140,154	904,029	270,482	2,864,663
Jan-08	1,302,949	252,722	140,602	903,645	270,257	2,870,175
Feb-08	1,305,971	253,473	140,817	904,924	270,559	2,875,744
Mar-08	1,308,437	253,958	140,984	906,325	270,693	2,880,397
Apr-08	1,310,532	254,360	141,070	907,548	270,948	2,884,458
May-08	1,312,094	254,717	141,132	910,545	271,443	2,889,931
Jun-08	1,311,283	254,875	140,933	909,896	271,494	2,888,481
Jul-08	1,310,898	255,011	140,668	909,956	271,818	2,888,351
Aug-08	1,311,244	255,228	140,551	912,122	272,178	2,891,323
Sep-08	1,312,810	255,842	140,617	913,485	272,336	2,895,090
Oct-08	1,315,785	256,811	140,759	914,189	272,878	2,900,422
Nov-08	1,320,254	258,063	141,125	917,011	273,748	2,910,201
Dec-08	1,324,664	259,506	141,494	919,362	274,484	2,919,510
Jan-09	1,329,224	261,114	141,911	919,150	274,413	2,925,812
Feb-09	1,331,509	261,867	142,117	920,148	274,604	2,930,245
Mar-09	1,333,159	262,286	142,227	921,416	274,723	2,933,811
Apr-09	1,334,644	262,695	142,271	922,827	274,852	2,937,289
May-09	1,334,743	262,920	142,215	924,006	275,125	2,939,009
Jun-09	1,334,329	263,018	142,008	923,629	275,258	2,938,242
Jul-09	1,333,211	262,821	141,824	924,522	275,663	2,938,041
Aug-09	1,332,586	262,902	141,616	925,030	275,801	2,937,935
Sep-09	1,337,390	264,051	141,946	925,252	275,566	2,944,205
Oct-09	1,344,052	266,547	142,581	925,663	276,034	2,954,877
Nov-09	1,345,769	267,761	142,613	927,833	276,948	2,960,924
Dec-09	1,348,038	268,255	142,863	931,310	277,830	2,968,296
Jan-10	1,351,823	270,334	143,392	930,790	277,670	2,974,009
Feb-10	1,353,587	270,429	143,503	931,652	277,800	2,976,971
Mar-10	1,357,191	271,193	143,731	933,262	278,068	2,983,445
Apr-10	1,360,365	271,892	143,873	934,133	278,159	2,988,422
May-10	1,355,395	270,864	143,434	935,660	278,421	2,983,774
Jun-10	1,354,817	271,139	143,395	936,305	278,822	2,984,478
Jul-10	1,354,684	271,049	143,128	940,112	279,823	2,988,796
Aug-10	1,356,853	271,641	143,275	937,370	279,118	2,988,257
Sep-10	1,358,123	272,433	143,257	939,001	279,385	2,992,199
Oct-10	1,358,965	273,169	143,227	939,532	279,978	2,994,871
Nov-10	1,365,275	274,750	143,497	941,542	280,725	3,005,789
Dec-10	1,369,364	275,980	143,884	945,191	281,810	3,016,229

	Central Residential customers	East Residential customers	West Residential customers	South Residential customers	North Residential customers	Total Residential Customers
Jan-11	1,371,365	276,729	144,140	944,364	281,621	3,018,219
Feb-11	1,373,592	277,458	144,345	945,382	281,760	3,022,537
Mar-11	1,376,913	278,326	144,550	946,180	281,939	3,027,908
Apr-11	1,376,537	278,313	144,527	947,182	282,101	3,028,660
May-11	1,377,675	279,126	144,610	949,387	282,640	3,033,438
Jun-11	1,376,123	278,966	144,286	948,410	282,707	3,030,492
Jul-11	1,373,759	278,494	143,836	949,617	283,347	3,029,053
Aug-11	1,375,306	279,084	143,920	950,111	283,316	3,031,737
Sep-11	1,378,527	280,430	144,126	951,925	283,804	3,038,812
Oct-11	1,382,079	281,946	144,408	952,160	284,541	3,045,134
Nov-11	1,387,294	283,307	144,823	954,194	285,568	3,055,186
Dec-11	1,391,753	284,941	145,322	956,420	286,420	3,064,856
Jan-12	1,395,077	286,270	145,651	956,570	286,623	3,070,191
Feb-12	1,396,984	286,774	145,768	956,973	286,779	3,073,278
Mar-12	1,398,694	287,306	146,013	957,950	287,004	3,076,967
Apr-12	1,399,656	287,787	145,977	959,689	287,316	3,080,425
May-12	1,399,315	288,141	145,881	961,840	287,715	3,082,892
Jun-12	1,397,801	287,923	145,669	961,663	287,809	3,080,865
Jul-12	1,397,309	288,183	145,485	963,074	288,365	3,082,416
Aug-12	1,396,594	288,142	145,352	963,000	288,422	3,081,510
Sep-12	1,399,557	289,163	145,676	964,758	288,638	3,087,792
Oct-12	1,407,586	291,751	146,343	963,746	289,210	3,098,636
Nov-12	1,411,722	293,010	146,756	966,928	290,505	3,108,921
Dec-12	1,414,740	294,149	146,994	969,405	291,546	3,116,834
Jan-13	1,417,651	295,012	147,275	969,018	291,557	3,120,513
Feb-13	1,419,565	295,399	147,391	970,425	292,070	3,124,850
Mar-13	1,421,402	295,885	147,607	971,383	292,069	3,128,346
Apr-13	1,422,518	296,420	147,726	972,639	292,355	3,131,658
May-13	1,422,817	296,853	147,758	975,309	292,876	3,135,613
Jun-13	1,421,490	296,704	147,487	974,558	292,936	3,133,175
Jul-13	1,420,551	296,721	147,320	976,120	293,522	3,134,234
Aug-13	1,421,500	297,155	147,383	977,097	293,645	3,136,780
Sep-13	1,422,822	297,999	147,370	978,588	294,137	3,140,916
Oct-13	1,428,231	299,580	147,860	977,665	294,800	3,148,136
Nov-13	1,433,022	301,093	148,250	980,188	296,089	3,158,642
Dec-13	1,437,022	302,374	148,682	982,383	297,169	3,167,630
Jan-14	1,439,111	303,537	148,956	981,881	297,379	3,170,864
Feb-14	1,440,702	304,140	149,143	982,805	297,702	3,174,492
Mar-14	1,442,269	304,688	149,369	983,544	297,853	3,177,723
Apr-14	1,443,362	305,089	149,521	984,498	298,200	3,180,670
May-14	1,443,862	305,422	149,570	987,191	298,471	3,184,516
Jun-14	1,442,505	305,258	149,347	986,770	298,698	3,182,578
Jul-14	1,441,981	305,242	149,280	988,842	299,396	3,184,741
Aug-14	1,443,083	305,832	149,379	989,872	299,779	3,187,945
Sep-14	1,445,269	307,170	149,496	991,174	300,246	3,193,355
Oct-14	1,449,846	308,825	149,944	991,821	301,527	3,201,963
Nov-14	1,453,707	310,255	150,336	993,058	302,531	3,209,887
Dec-14	1,457,086	311,256	150,644	995,655	303,618	3,218,259
Jan-15	1,459,444	312,088	150,920	995,108	303,845	3,221,405
Feb-15	1,461,350	312,796	151,173	995,673	304,031	3,225,023
Mar-15	1,462,479	313,106	151,256	996,634	304,182	3,227,657
Apr-15	1,463,329	313,512	151,463	997,914	304,694	3,230,912
May-15	1,463,020	313,511	151,305	1,000,085	305,121	3,233,042
Jun-15	1,461,994	313,278	151,100	999,354	305,029	3,230,755
Jul-15	1,461,856	313,305	151,087	1,001,991	305,912	3,234,151
Aug-15	1,462,322	313,516	151,147	1,002,503	306,097	3,235,585
Sep-15	1,464,324	314,152	151,334	1,003,151	306,048	3,239,009
Oct-15	1,469,349	315,643	151,789	1,003,501	307,001	3,247,283
Nov-15	1,473,462	316,890	152,260	1,005,624	308,214	3,256,450
Dec-15	1,477,588	318,057	152,680	1,007,419	308,806	3,264,550
Jan-16	1,480,117	318,753	152,511	1,008,032	309,168	3,268,581
Feb-16	1,481,919	319,256	153,107	1,008,577	309,432	3,272,291

	Central Residential customers	East Residential customers	West Residential customers	South Residential customers	North Residential customers	Total Residential Customers
Mar-16	1,482,957	319,728	153,237	1,009,663	309,684	3,275,269
Apr-16	1,483,812	320,025	153,356	1,011,127	309,939	3,278,259
May-16	1,483,631	320,119	153,332	1,013,288	310,121	3,280,491
Jun-16	1,482,513	319,962	153,202	1,014,084	310,637	3,280,398
Jul-16	1,482,096	319,926	153,176	1,015,915	311,338	3,282,451
Aug-16	1,483,059	320,276	153,352	1,016,198	311,341	3,284,226
Sep-16	1,484,625	320,968	153,393	1,017,874	311,762	3,288,622
Oct-16	1,489,274	322,042	153,784	1,017,112	312,326	3,294,538
Nov-16	1,494,154	323,046	154,219	1,020,131	313,826	3,305,376
Dec-16	1,497,703	323,661	154,537	1,022,277	314,579	3,312,757
Jan-17	1,500,480	324,292	154,751	1,021,899	314,505	3,315,927
Feb-17	1,502,542	324,878	154,899	1,022,877	314,594	3,319,790
Mar-17	1,504,362	325,378	155,098	1,024,302	314,787	3,323,927
Apr-17	1,503,749	325,858	155,290	1,025,132	314,976	3,325,005
May-17	1,505,774	326,098	155,362	1,028,403	315,549	3,331,186
Jun-17	1,505,533	326,015	155,287	1,027,828	315,779	3,330,442
Jul-17	1,505,807	326,117	155,370	1,029,574	316,329	3,333,197
Aug-17	1,506,882	326,476	155,534	1,030,434	316,459	3,335,785
Sep-17	1,508,862	327,158	155,763	1,032,065	316,989	3,340,837
Oct-17	1,512,915	328,190	156,108	1,030,559	317,118	3,344,890
Nov-17	1,517,325	329,306	156,440	1,032,791	318,102	3,353,964
Dec-17	1,519,738	330,073	156,672	1,034,758	318,345	3,359,586
Jan-18	1,521,559	330,675	156,899	1,036,382	319,108	3,364,623
Feb-18	1,522,470	331,010	156,987	1,037,019	319,026	3,366,512
Mar-18	1,524,233	331,458	157,169	1,038,210	319,249	3,370,319
Apr-18	1,524,808	331,873	157,256	1,039,967	319,316	3,373,220
May-18	1,525,191	332,160	157,272	1,042,872	320,127	3,377,622
Jun-18	1,524,349	331,977	157,173	1,043,177	320,427	3,377,103
Jul-18	1,524,553	332,228	157,184	1,044,936	320,936	3,379,837
Aug-18	1,525,013	332,579	157,289	1,046,091	321,321	3,382,293
Sep-18	1,526,632	333,367	157,463	1,047,478	321,482	3,386,422
Oct-18	1,531,435	334,812	157,866	1,046,987	321,915	3,393,015
Nov-18	1,534,788	335,876	158,234	1,048,859	322,801	3,400,558
Dec-18	1,536,668	336,610	158,419	1,050,945	323,232	3,405,874
Jan-19	1,538,235	337,102	158,575	1,051,293	323,467	3,408,672
Feb-19	1,538,977	337,529	158,688	1,052,210	323,469	3,410,873
Mar-19	1,540,252	337,938	158,784	1,053,033	323,668	3,413,675
Apr-19	1,540,887	338,309	158,816	1,053,459	323,715	3,415,186
May-19	1,541,154	338,589	158,897	1,056,078	324,087	3,418,805
Jun-19	1,540,173	338,591	158,839	1,056,792	324,595	3,418,990
Jul-19	1,539,947	338,773	158,817	1,057,226	325,188	3,419,951
Aug-19	1,540,373	339,268	158,924	1,059,108	325,272	3,422,945
Sep-19	1,541,756	340,064	159,060	1,059,626	325,554	3,426,060
Oct-19	1,546,034	341,487	159,542	1,058,500	325,658	3,431,221
Nov-19	1,549,176	342,579	160,095	1,062,442	326,979	3,441,271
Dec-19	1,549,037	342,998	160,253	1,064,373	327,500	3,444,161
Jan-20	1,552,313	343,970	160,773	1,064,207	327,361	3,448,624
Feb-20	1,553,506	344,387	160,980	1,065,487	327,749	3,452,109
Mar-20	1,554,023	344,832	161,120	1,065,823	327,622	3,453,420
Apr-20	1,554,053	345,028	161,199	1,066,838	327,858	3,454,976
May-20	1,554,459	345,319	161,356	1,068,781	328,114	3,458,029
Jun-20	1,554,590	345,612	161,443	1,068,183	327,903	3,457,731
Jul-20	1,555,114	346,097	161,620	1,069,804	328,600	3,461,235
Aug-20	1,555,320	346,576	161,740	1,071,596	329,389	3,464,621
Sep-20	1,556,560	347,500	161,939	1,072,531	329,382	3,467,912
Oct-20	1,559,498	348,826	162,215	1,073,483	329,876	3,473,898
Nov-20	1,562,102	349,949	162,508	1,076,369	330,305	3,481,233
Dec-20	1,564,280	350,843	162,726	1,078,083	330,992	3,486,924
Jan-21	1,566,092	351,505	162,948	1,077,587	330,743	3,488,875
Feb-21	1,567,170	352,064	163,127	1,079,720	331,165	3,493,246
Mar-21	1,568,104	352,661	163,244	1,079,317	331,258	3,494,584
Apr-21	1,568,997	353,169	163,402	1,081,808	331,720	3,499,096

	Central Residential customers	East Residential customers	West Residential customers	South Residential customers	North Residential customers	Total Residential Customers
May-21	1,568,698	353,403	163,448	1,083,646	331,930	3,501,125
Jun-21	1,568,209	353,786	163,506	1,083,745	332,238	3,501,484
Jul-21	1,568,514	354,306	163,625	1,083,034	332,757	3,502,236
Aug-21	1,568,350	354,673	163,754	1,081,132	331,598	3,499,507
Sep-21	1,568,904	355,299	163,877	1,082,515	331,672	3,502,267
Oct-21	1,570,409	356,196	163,996	1,081,764	331,339	3,503,704
Nov-21	1,573,297	357,210	164,268	1,083,446	332,059	3,510,280
Dec-21	1,575,570	358,144	164,513	1,085,488	332,452	3,516,167
Jan-22	1,577,202	358,932	164,763	1,088,104	333,130	3,522,131
Feb-22	1,577,954	359,335	164,877	1,088,706	333,505	3,524,377
Mar-22	1,583,250	358,988	165,257	1,091,222	333,965	3,532,682
Apr-22	1,583,886	359,285	165,347	1,091,495	334,075	3,534,088
May-22	1,584,232	359,446	165,395	1,091,757	334,067	3,534,897
Jun-22	1,583,956	359,317	165,356	1,091,946	333,970	3,534,545
Jul-22	1,584,359	359,504	165,413	1,092,136	333,895	3,535,307
Aug-22	1,584,854	359,735	165,483	1,092,297	334,019	3,536,388
Sep-22	1,586,227	360,376	165,677	1,093,305	334,418	3,540,003
Oct-22	1,589,422	361,867	166,129	1,095,107	335,178	3,547,703
Nov-22	1,592,267	363,194	166,531	1,098,169	336,355	3,556,516
Dec-22	1,598,059	365,896	167,350	1,103,062	337,757	3,572,124
Jan-23	1,595,601	364,750	167,003	1,100,736	336,331	3,564,421
Feb-23	1,596,611	365,221	167,145	1,101,574	336,446	3,566,997
Mar-23	1,597,734	365,744	167,304	1,102,363	336,510	3,569,655
Apr-23	1,598,377	366,044	167,395	1,102,638	336,621	3,571,075
May-23	1,598,726	366,207	167,444	1,102,902	336,612	3,571,891
Jun-23	1,598,446	366,077	167,405	1,103,094	336,515	3,571,537
Jul-23	1,598,853	366,267	167,462	1,103,286	336,439	3,572,307
Aug-23	1,599,354	366,500	167,533	1,103,449	336,564	3,573,400
Sep-23	1,600,742	367,148	167,729	1,104,466	336,966	3,577,051
Oct-23	1,603,973	368,655	168,186	1,106,287	337,732	3,584,833
Nov-23	1,606,849	369,997	168,593	1,109,380	338,918	3,593,737
Dec-23	1,608,460	370,748	168,820	1,111,048	339,269	3,598,345
Jan-24	1,609,777	371,363	169,007	1,111,666	338,754	3,600,567
Feb-24	1,610,797	371,839	169,151	1,112,512	338,870	3,603,169
Mar-24	1,611,932	372,368	169,311	1,113,309	338,935	3,605,855
Apr-24	1,612,582	372,671	169,403	1,113,587	339,047	3,607,290
May-24	1,612,935	372,836	169,453	1,113,854	339,038	3,608,116
Jun-24	1,612,652	372,705	169,413	1,114,047	338,940	3,607,757
Jul-24	1,613,064	372,896	169,471	1,114,241	338,864	3,608,536
Aug-24	1,613,569	373,132	169,543	1,114,406	338,990	3,609,640
Sep-24	1,614,972	373,787	169,741	1,115,433	339,394	3,613,327
Oct-24	1,618,238	375,310	170,203	1,117,272	340,166	3,621,189
Nov-24	1,621,145	376,667	170,613	1,120,396	341,360	3,630,181
Dec-24	1,622,772	377,426	170,843	1,122,078	341,713	3,634,832

	Central Residential norm'ed volumes	East Residential norm'ed volumes	West Residential norm'ed volumes	South Residential norm'ed volumes	North Residential norm'ed volumes	Total Residential volumes
Jan-06	670,652,653	107,143,190	60,626,955	385,218,014	122,295,626	1,345,936,437
Feb-06	499,199,664	87,841,169	47,488,632	342,956,701	101,451,617	1,078,937,783
Mar-06	509,187,855	82,178,259	47,027,449	283,292,069	84,234,216	1,005,919,849
Apr-06	255,522,450	44,357,218	25,853,715	197,374,477	58,813,170	581,921,031
May-06	136,071,317	20,671,945	13,170,158	76,004,340	28,590,555	274,508,316
Jun-06	111,946,876	15,805,005	9,388,658	49,539,085	14,439,208	201,118,832
Jul-06	90,570,755	12,767,918	7,400,825	54,919,450	14,367,455	180,026,403
Aug-06	85,555,406	12,209,017	7,101,906	46,884,942	12,337,979	164,089,250
Sep-06	71,842,435	12,019,385	6,112,762	53,761,908	17,403,830	161,140,319
Oct-06	215,202,224	36,717,097	18,880,759	108,260,652	34,702,135	413,762,868
Nov-06	409,664,904	67,617,731	38,249,272	229,054,060	75,703,997	820,289,965
Dec-06	489,791,852	87,314,035	45,396,346	325,229,185	99,775,867	1,047,507,284
Jan-07	672,598,408	110,555,308	60,774,997	383,910,929	120,908,535	1,348,748,178
Feb-07	501,852,865	91,727,434	48,964,900	349,828,892	102,876,017	1,095,250,109
Mar-07	524,381,076	85,626,012	48,646,028	306,497,760	89,442,549	1,054,593,425
Apr-07	273,928,385	47,718,388	27,631,264	203,271,608	62,007,620	614,557,266
May-07	146,401,747	20,819,986	13,791,924	96,413,147	29,873,254	307,300,058
Jun-07	108,964,296	15,695,773	8,727,196	53,123,903	14,711,874	201,223,042
Jul-07	96,034,384	14,210,984	7,612,190	54,487,140	14,797,602	187,142,300
Aug-07	90,627,236	12,944,036	7,110,751	49,433,947	12,756,315	172,872,285
Sep-07	79,702,793	11,962,332	6,542,702	52,699,889	17,551,502	168,459,218
Oct-07	210,866,048	36,765,251	18,192,738	101,664,831	35,330,635	402,819,503
Nov-07	422,632,100	69,393,905	38,623,294	194,655,345	67,514,685	792,819,329
Dec-07	503,983,437	87,244,006	44,873,516	334,058,725	101,282,616	1,071,442,300
Jan-08	681,129,813	112,369,441	61,528,308	411,335,436	127,695,395	1,394,058,392
Feb-08	584,625,852	100,066,673	53,383,428	351,302,746	103,474,247	1,192,852,946
Mar-08	420,443,630	77,381,699	41,357,243	313,235,264	82,872,830	935,290,665
Apr-08	281,449,539	44,126,269	27,314,930	181,099,537	60,366,463	594,356,738
May-08	134,424,387	20,628,818	12,408,729	86,719,241	28,032,128	282,213,302
Jun-08	108,751,489	15,616,122	9,158,274	40,680,624	17,561,359	191,767,868
Jul-08	101,961,385	14,383,215	8,230,718	55,605,586	15,290,546	195,471,450
Aug-08	86,106,408	13,340,208	7,039,985	52,240,636	13,394,260	172,121,497
Sep-08	77,040,988	12,152,551	5,789,882	51,247,822	16,204,211	162,435,454
Oct-08	207,610,739	36,689,880	16,470,353	100,256,091	33,597,041	394,624,104
Nov-08	406,363,431	70,903,644	36,492,228	230,828,890	70,018,299	814,606,491
Dec-08	523,733,026	93,881,711	46,838,248	336,659,434	102,907,509	1,104,019,929
Jan-09	666,110,008	116,269,585	58,485,503	400,096,479	124,839,628	1,365,801,203
Feb-09	532,284,182	93,197,370	47,747,115	336,761,369	98,722,601	1,108,712,637
Mar-09	461,861,130	84,495,038	42,173,435	304,770,663	88,672,117	981,972,383
Apr-09	289,620,742	49,320,607	27,110,513	199,727,685	60,857,676	626,637,222
May-09	131,292,805	19,865,260	11,241,412	91,938,889	28,025,857	282,364,223
Jun-09	121,618,120	16,902,142	9,452,667	43,746,909	13,900,778	205,620,616
Jul-09	97,575,673	15,330,889	7,920,924	59,751,995	15,574,291	196,153,772
Aug-09	91,909,543	16,088,531	7,571,171	55,127,305	13,721,241	184,417,791
Sep-09	88,196,676	15,213,145	7,166,446	54,536,994	14,852,287	179,965,548
Oct-09	185,953,669	30,921,693	14,259,294	117,794,380	39,383,990	388,313,025
Nov-09	355,926,827	62,620,605	31,703,066	225,483,870	72,912,707	748,647,074
Dec-09	529,635,702	94,521,405	45,182,438	301,277,225	96,599,972	1,067,216,741
Jan-10	627,760,226	112,247,075	53,570,033	414,897,769	122,911,537	1,331,386,640
Feb-10	587,546,876	100,768,185	51,023,080	342,071,554	103,116,639	1,184,526,335
Mar-10	501,231,859	89,348,900	43,924,630	288,842,903	86,545,421	1,009,893,714
Apr-10	323,049,751	53,135,538	30,167,232	190,159,422	59,162,325	655,674,268
May-10	149,468,623	22,942,786	13,663,349	70,020,401	25,422,419	281,517,578
Jun-10	101,435,752	17,526,834	7,869,496	60,398,621	16,743,831	203,974,534
Jul-10	67,763,022	10,239,295	4,538,182	52,306,433	13,150,090	147,997,021
Aug-10	56,489,715	9,528,476	4,050,026	47,965,851	12,168,873	130,202,942
Sep-10	110,800,341	16,262,221	8,738,032	52,150,998	15,089,331	203,040,922

	Central Residential norm'ed volumes	East Residential norm'ed volumes	West Residential norm'ed volumes	South Residential norm'ed volumes	North Residential norm'ed volumes	Total Residential volumes
Oct-10	175,658,266	31,087,055	13,942,125	107,453,821	36,623,680	364,764,947
Nov-10	353,091,471	64,742,407	30,829,736	222,229,924	71,673,694	742,567,232
Dec-10	540,957,321	97,841,109	46,346,342	329,561,272	100,816,160	1,115,522,203
Jan-11	625,607,541	117,484,345	54,888,247	390,512,507	122,091,727	1,310,584,367
Feb-11	562,287,075	97,585,005	49,276,868	343,444,005	100,060,863	1,152,653,816
Mar-11	488,166,790	87,516,901	43,543,899	297,436,860	91,210,634	1,007,875,084
Apr-11	302,085,542	51,614,862	28,568,099	185,836,551	58,220,558	626,325,611
May-11	196,338,925	30,724,187	17,569,555	101,318,973	32,538,448	378,490,088
Jun-11	88,493,994	14,054,852	7,245,105	58,794,375	15,921,622	184,509,948
Jul-11	80,647,581	12,357,218	6,722,725	58,058,946	12,877,226	170,663,695
Aug-11	61,670,357	10,719,754	6,620,615	45,059,695	10,964,023	135,034,444
Sep-11	103,179,536	14,990,318	5,569,316	51,390,532	13,007,712	188,137,413
Oct-11	185,504,041	34,809,245	14,873,464	109,569,129	38,348,501	383,104,380
Nov-11	383,654,398	67,429,019	34,341,555	235,424,032	72,313,726	793,162,730
Dec-11	543,797,516	99,447,882	46,424,155	334,496,266	103,635,833	1,127,801,653
Jan-12	657,468,996	117,695,571	57,117,341	393,080,714	125,035,723	1,350,398,345
Feb-12	593,102,002	102,502,735	52,479,231	354,443,518	107,020,272	1,209,547,757
Mar-12	513,071,655	88,793,747	45,369,425	300,202,625	90,895,278	1,038,332,730
Apr-12	316,462,776	53,512,634	28,534,130	175,218,675	57,990,675	631,718,890
May-12	139,153,227	20,423,619	11,755,282	71,532,280	28,987,045	271,851,453
Jun-12	98,281,079	15,433,552	6,996,421	61,578,650	15,836,787	198,126,488
Jul-12	75,738,623	11,329,426	5,665,077	49,663,631	11,162,152	153,558,909
Aug-12	66,600,174	11,924,510	4,261,975	45,643,723	12,052,694	140,483,077
Sep-12	103,293,146	15,622,282	8,065,079	56,288,671	13,143,646	196,412,825
Oct-12	156,585,308	27,733,891	11,499,200	103,367,551	38,736,554	337,922,502
Nov-12	402,222,324	70,123,003	33,751,801	236,359,659	77,344,362	819,801,148
Dec-12	542,560,783	99,270,643	44,610,323	318,964,989	102,525,183	1,107,931,922
Jan-13	662,381,777	122,075,736	56,047,539	398,363,883	125,136,148	1,364,005,084
Feb-13	584,223,200	103,693,573	49,305,374	355,145,163	110,327,910	1,202,695,220
Mar-13	484,916,032	91,854,103	42,136,356	289,547,802	88,725,981	997,180,274
Apr-13	333,003,927	57,864,736	30,470,949	192,073,959	59,284,129	672,697,701
May-13	151,134,597	22,445,543	14,129,423	81,477,800	30,306,345	299,493,708
Jun-13	94,930,981	17,014,370	7,460,657	62,813,089	17,612,356	199,831,454
Jul-13	73,831,273	12,193,871	5,651,783	53,774,198	13,552,181	159,003,305
Aug-13	69,013,845	10,075,048	5,118,365	51,511,954	12,956,972	148,676,184
Sep-13	111,281,776	19,183,189	7,711,932	59,419,145	14,821,191	212,417,233
Oct-13	190,318,278	35,026,748	14,211,576	102,870,126	34,615,828	377,042,556
Nov-13	366,313,299	69,935,705	31,248,830	222,617,952	76,762,875	766,878,661
Dec-13	545,664,433	103,213,109	45,143,705	334,154,390	102,507,308	1,130,682,945
Jan-14	641,601,411	124,263,798	55,100,393	398,638,023	120,756,964	1,340,360,589
Feb-14	580,055,686	107,948,991	50,905,772	344,797,264	101,222,725	1,184,930,438
Mar-14	483,360,025	89,705,631	43,089,680	284,887,995	90,039,595	991,082,926
Apr-14	332,231,683	60,184,591	30,227,579	207,138,189	67,966,777	697,748,820
May-14	180,904,096	29,012,455	15,544,744	90,009,512	37,522,563	352,993,370
Jun-14	64,901,647	9,376,186	4,413,537	64,218,632	16,509,225	159,419,227
Jul-14	100,293,173	16,901,605	7,934,083	52,477,783	14,202,485	191,809,130
Aug-14	86,291,142	13,219,535	5,326,243	55,947,467	13,794,900	174,579,286
Sep-14	95,655,148	15,046,869	7,098,144	57,384,861	15,332,141	190,517,162
Oct-14	199,985,556	36,737,049	14,807,028	105,008,004	38,968,670	395,506,308
Nov-14	380,741,063	72,781,547	32,260,987	229,646,439	76,000,693	791,430,730
Dec-14	564,607,411	107,508,215	47,000,434	345,629,751	108,830,958	1,173,576,769
Jan-15	636,542,353	122,617,042	54,690,950	398,193,782	128,552,282	1,340,596,409
Feb-15	570,140,588	107,009,251	49,329,115	344,316,621	102,903,068	1,173,698,643
Mar-15	483,540,493	90,260,587	41,932,809	278,232,214	90,363,389	984,329,491
Apr-15	340,655,980	61,353,100	30,736,326	186,171,832	62,538,484	681,455,723
May-15	154,619,953	23,484,502	12,244,890	81,415,038	29,250,540	301,014,923
Jun-15	90,618,961	15,396,032	7,253,239	66,856,167	17,680,706	197,805,105
Jul-15	77,492,182	11,221,506	6,017,453	60,285,118	12,980,035	167,996,293
Aug-15	95,520,094	16,459,200	6,861,264	51,321,266	12,236,911	182,398,734

	Central Residential norm'ed volumes	East Residential norm'ed volumes	West Residential norm'ed volumes	South Residential norm'ed volumes	North Residential norm'ed volumes	Total Residential volumes
Sep-15	88,375,208	13,921,270	6,528,820	58,280,394	13,647,907	180,753,600
Oct-15	204,052,014	36,430,688	15,305,933	99,559,598	37,293,986	392,642,218
Nov-15	387,462,051	72,181,070	32,668,508	232,263,844	77,919,726	802,495,199
Dec-15	566,631,382	107,463,101	47,212,314	330,036,462	107,108,335	1,158,451,595
Jan-16	647,929,036	123,623,114	55,074,382	394,021,623	130,744,858	1,351,393,014
Feb-16	598,972,959	110,487,453	52,784,424	347,559,386	104,078,877	1,213,883,099
Mar-16	507,986,423	93,828,657	45,345,926	306,067,753	97,243,308	1,050,472,068
Apr-16	292,800,629	56,319,760	27,655,029	200,248,629	60,136,934	637,160,980
May-16	159,009,231	22,375,825	11,899,050	90,166,082	30,378,019	313,828,208
Jun-16	85,897,280	15,957,528	6,347,118	70,210,788	16,301,903	194,714,617
Jul-16	94,196,464	14,244,548	6,413,292	49,903,878	11,644,238	176,402,419
Aug-16	84,156,018	10,169,149	6,694,549	50,203,400	12,557,256	163,780,373
Sep-16	85,655,640	19,077,300	6,180,049	51,130,437	14,293,676	176,337,102
Oct-16	194,211,905	36,559,401	14,202,250	97,830,703	37,426,948	380,231,208
Nov-16	382,781,469	71,962,156	32,416,307	233,981,457	78,374,520	799,515,910
Dec-16	561,790,878	106,866,398	46,879,504	315,790,533	106,741,453	1,138,068,766
Jan-17	679,315,122	129,191,755	58,922,657	412,840,443	134,668,161	1,414,938,138
Feb-17	603,245,704	112,049,546	53,588,318	359,632,435	110,072,590	1,238,588,592
Mar-17	505,342,467	91,941,735	43,730,677	310,506,621	93,718,827	1,045,240,328
Apr-17	342,433,519	61,197,482	30,813,372	210,630,321	69,417,502	714,492,195
May-17	172,294,365	27,668,946	13,811,310	91,501,059	31,665,522	336,941,202
Jun-17	95,090,580	18,631,873	7,783,916	64,327,996	18,900,214	204,734,579
Jul-17	76,873,050	13,754,783	4,958,220	58,567,456	14,119,196	168,272,705
Aug-17	86,692,208	14,613,367	7,117,034	53,181,770	9,878,943	171,483,322
Sep-17	102,192,930	17,275,371	7,713,321	60,831,508	16,401,578	204,414,707
Oct-17	206,542,134	38,925,109	15,245,025	108,169,608	38,790,332	407,672,208
Nov-17	394,822,335	74,839,010	33,731,343	232,076,364	78,748,433	814,217,485
Dec-17	555,039,798	107,443,500	46,623,531	325,319,552	105,165,834	1,139,592,215
Jan-18	668,140,891	130,595,838	57,485,010	411,711,608	134,087,716	1,402,021,063
Feb-18	618,896,137	117,318,678	53,895,680	362,409,686	113,337,798	1,265,857,978
Mar-18	510,978,012	97,414,739	44,949,189	301,762,141	97,971,637	1,053,075,718
Apr-18	329,297,688	60,279,155	30,647,435	196,411,912	60,118,600	676,754,790
May-18	170,112,175	25,918,270	15,144,378	110,016,436	34,017,142	355,208,401
Jun-18	126,540,400	21,960,379	9,946,038	63,081,704	16,916,806	238,445,327
Jul-18	63,718,734	10,685,933	4,614,986	56,071,467	11,315,361	146,406,482
Aug-18	61,804,053	11,538,064	5,256,210	55,601,777	11,574,407	145,774,512
Sep-18	116,272,304	17,827,575	8,566,373	53,031,702	14,302,701	210,000,655
Oct-18	202,347,445	37,900,676	14,984,304	103,619,883	40,527,709	399,380,017
Nov-18	384,795,507	75,649,188	33,348,794	250,812,756	84,132,335	828,738,580
Dec-18	574,060,659	110,442,535	48,303,822	347,938,044	110,224,540	1,190,969,601
Jan-19	669,371,526	129,352,005	57,848,018	402,125,818	131,326,881	1,390,024,248
Feb-19	606,113,804	113,618,649	53,935,207	372,171,959	113,473,803	1,259,313,422
Mar-19	519,122,358	97,248,957	46,407,238	310,035,212	96,672,029	1,069,485,794
Apr-19	339,126,256	62,591,847	31,710,311	206,286,694	64,958,084	704,673,192
May-19	160,104,873	26,134,798	12,887,725	114,006,677	33,275,112	346,409,185
Jun-19	115,735,947	20,696,773	9,665,858	76,340,591	22,044,185	244,483,355
Jul-19	110,765,576	17,999,656	8,516,623	59,758,568	13,506,837	210,547,260
Aug-19	90,989,899	11,272,586	4,232,780	52,704,887	11,623,644	170,823,796
Sep-19	89,902,887	18,749,118	9,706,039	59,527,318	16,649,083	194,534,444
Oct-19	214,982,010	41,826,512	17,325,784	121,162,726	39,713,942	435,010,975
Nov-19	362,280,185	74,005,066	31,773,378	244,768,165	82,261,499	795,088,294
Dec-19	568,003,937	113,136,537	47,272,564	359,191,491	112,932,173	1,200,536,701
Jan-20	688,377,026	133,528,883	60,587,617	406,502,818	132,672,336	1,421,668,681
Feb-20	615,431,068	116,238,153	55,357,082	363,636,674	115,255,124	1,265,918,102
Mar-20	523,739,361	99,380,195	47,149,206	313,758,512	99,335,978	1,083,363,252
Apr-20	336,054,672	62,420,965	31,401,960	204,273,220	64,545,174	698,695,991
May-20	159,058,652	22,913,688	12,813,679	103,675,000	31,633,884	330,094,903
Jun-20	97,501,095	18,505,823	7,714,413	71,345,145	19,501,094	214,567,569
Jul-20	119,798,125	19,765,031	9,094,575	54,493,993	9,349,058	212,500,782

	Central Residential norm'ed volumes	East Residential norm'ed volumes	West Residential norm'ed volumes	South Residential norm'ed volumes	North Residential norm'ed volumes	Total Residential volumes
Aug-20	97,524,950	16,760,984	7,553,182	57,885,684	14,047,026	193,771,827
Sep-20	85,168,166	14,507,148	5,334,923	74,151,635	21,292,420	200,454,291
Oct-20	226,980,949	42,950,974	16,482,651	126,463,023	44,957,214	457,834,811
Nov-20	406,504,692	79,333,376	35,978,067	279,283,652	89,045,395	890,145,182
Dec-20	575,955,392	114,338,525	49,678,901	339,234,242	112,914,654	1,192,121,714
Jan-21	675,464,272	133,961,605	59,894,639	405,289,155	131,079,903	1,405,689,575
Feb-21	606,351,992	116,643,887	53,968,206	350,386,956	109,018,399	1,236,369,441
Mar-21	514,805,906	99,204,198	46,685,565	310,691,092	98,304,516	1,069,691,278
Apr-21	334,893,042	63,596,947	31,092,193	205,475,675	67,252,807	702,310,664
May-21	136,091,356	22,749,964	11,339,780	100,097,953	33,637,953	303,917,007
Jun-21	115,301,948	19,736,044	10,112,401	79,966,967	20,974,193	246,091,552
Jul-21	112,740,496	19,121,822	8,499,878	62,810,727	11,819,619	214,992,541
Aug-21	94,530,004	16,466,805	7,564,758	62,760,258	14,621,496	195,943,321
Sep-21	92,290,223	15,466,885	7,569,103	65,297,862	17,168,360	197,792,433
Oct-21	195,610,768	41,460,774	15,029,535	111,619,992	42,516,034	406,237,103
Nov-21	414,993,266	79,309,030	36,088,673	236,383,819	76,352,294	843,127,082
Dec-21	581,531,528	113,500,893	49,876,970	360,069,884	113,709,712	1,218,688,987
Jan-22	709,667,087	142,675,506	61,170,966	432,231,904	139,526,304	1,485,271,767
Feb-22	621,124,352	122,542,362	54,587,642	378,097,142	115,898,590	1,292,250,089
Mar-22	531,804,017	104,742,503	47,129,991	318,685,493	99,650,714	1,102,012,718
Apr-22	328,651,435	62,451,062	30,350,732	207,339,080	66,146,449	694,938,758
May-22	153,358,600	23,645,878	12,555,300	93,728,638	30,435,318	313,723,734
Jun-22	82,959,949	13,205,755	6,008,561	58,948,017	13,223,432	174,345,713
Jul-22	82,981,056	13,212,628	6,010,632	58,958,274	13,220,462	174,383,052
Aug-22	83,006,982	13,221,117	6,013,176	58,966,965	13,225,372	174,433,612
Sep-22	83,078,893	14,476,596	6,020,225	59,021,382	14,963,915	177,561,010
Oct-22	200,825,695	39,410,682	14,969,780	113,733,871	39,658,596	408,598,623
Nov-22	412,282,669	81,797,972	35,505,558	252,296,970	82,753,118	864,636,287
Dec-22	588,899,444	119,623,660	49,878,115	359,204,198	115,332,228	1,232,937,645
Jan-23	716,326,081	144,613,600	61,771,587	436,667,585	140,668,120	1,500,046,973
Feb-23	626,847,361	124,174,592	55,107,322	381,983,453	116,721,697	1,304,834,424
Mar-23	535,047,245	106,338,130	47,482,331	321,356,122	100,211,130	1,110,434,957
Apr-23	330,035,760	63,250,024	30,495,084	208,872,716	66,451,510	699,105,094
May-23	153,138,718	23,714,588	12,479,211	94,102,157	30,468,142	313,902,817
Jun-23	82,096,187	13,078,277	5,851,439	58,966,441	13,125,219	173,117,563
Jul-23	82,117,090	13,085,064	5,853,432	58,976,705	13,122,255	173,154,546
Aug-23	82,142,821	13,093,388	5,855,913	58,985,418	13,127,130	173,204,671
Sep-23	82,214,109	14,371,608	5,862,764	59,039,782	14,878,680	176,366,944
Oct-23	201,035,881	39,771,386	14,922,476	114,309,870	39,761,087	409,800,700
Nov-23	414,427,246	82,950,182	35,711,976	254,285,871	83,183,288	870,558,564
Dec-23	591,099,399	120,829,220	50,082,715	361,217,259	115,647,913	1,238,876,507
Jan-24	721,151,603	146,857,244	62,287,496	440,437,400	141,493,447	1,512,227,190
Feb-24	630,877,504	126,045,984	55,543,167	385,209,728	117,374,504	1,315,050,886
Mar-24	538,261,169	107,884,766	47,826,192	323,980,044	100,745,107	1,118,697,279
Apr-24	331,427,528	64,015,561	30,635,025	210,379,524	66,742,182	703,199,820
May-24	152,958,223	23,764,123	12,403,002	94,469,288	30,499,502	314,094,139
Jun-24	81,284,531	12,935,458	5,695,745	58,984,533	13,031,626	171,931,892
Jul-24	81,305,297	12,942,087	5,697,695	58,994,805	13,028,704	171,968,587
Aug-24	81,330,751	12,950,277	5,700,115	59,003,541	13,033,549	172,018,233
Sep-24	81,401,469	14,250,775	5,706,772	59,057,916	14,797,463	175,214,395
Oct-24	201,277,252	40,107,090	14,874,503	114,875,896	39,858,781	410,993,522
Nov-24	416,564,880	84,061,867	35,912,382	256,240,279	83,593,124	876,372,532
Dec-24	594,808,090	122,621,216	50,455,080	364,231,680	116,291,324	1,248,407,391

MONTHLY	EGI Residential	EGI Residential	EGI Residential	ANNUAL	EGI Residential		
	Norm'ed Volumes	Customers	norm'ed AU		norm'ed AU		
	(a)	(b)	(c=a/b)				
Jan-06	1,345,936,437	2,750,334	489	2006	2,624		
Feb-06	1,078,937,783	2,756,041	391	2007	2,619		
Mar-06	1,005,919,849	2,762,403	364	2008	2,573		
Apr-06	581,921,031	2,767,489	210	2009	2,494		
May-06	274,508,316	2,769,615	99	2010	2,466		
Jun-06	201,118,832	2,768,938	73	2011	2,457		
Jul-06	180,026,403	2,772,090	65	2012	2,416		
Aug-06	164,089,250	2,773,545	59	2013	2,400		
Sep-06	161,140,319	2,779,156	58	2014	2,398		
Oct-06	413,762,868	2,785,636	149	2015	2,337		
Nov-06	820,289,965	2,796,396	293	2016	2,313		
Dec-06	1,047,507,284	2,805,626	373	2017	2,359		
Jan-07	1,348,748,178	2,812,162	480	2018	2,341		
Feb-07	1,095,250,109	2,818,256	389	2019	2,344		
Mar-07	1,054,593,425	2,823,457	374	2020	2,357		
Apr-07	614,557,266	2,827,636	217	2021	2,297	-12.6%	since 2006
May-07	307,300,058	2,830,890	109	2022F	2,287		
Jun-07	201,223,042	2,828,806	71	2023F	2,277		
Jul-07	187,142,300	2,830,280	66	2024F	2,267		
Aug-07	172,872,285	2,832,959	61				
Sep-07	168,459,218	2,838,120	59				
Oct-07	402,819,503	2,843,845	142				
Nov-07	792,819,329	2,854,307	278				
Dec-07	1,071,442,300	2,864,663	374				
Jan-08	1,394,058,392	2,870,175	486				
Feb-08	1,192,852,946	2,875,744	415				
Mar-08	935,290,665	2,880,397	325				
Apr-08	594,356,738	2,884,458	206				
May-08	282,213,302	2,889,931	98				
Jun-08	191,767,868	2,888,481	66				
Jul-08	195,471,450	2,888,351	68				
Aug-08	172,121,497	2,891,323	60				
Sep-08	162,435,454	2,895,090	56				
Oct-08	394,624,104	2,900,422	136				
Nov-08	814,606,491	2,910,201	280				
Dec-08	1,104,019,929	2,919,510	378				
Jan-09	1,365,801,203	2,925,812	467				
Feb-09	1,108,712,637	2,930,245	378				
Mar-09	981,972,383	2,933,811	335				
Apr-09	626,637,222	2,937,289	213				
May-09	282,364,223	2,939,009	96				
Jun-09	205,620,616	2,938,242	70				
Jul-09	196,153,772	2,938,041	67				
Aug-09	184,417,791	2,937,935	63				
Sep-09	179,965,548	2,944,205	61				
Oct-09	388,313,025	2,954,877	131				
Nov-09	748,647,074	2,960,924	253				
Dec-09	1,067,216,741	2,968,296	360				
Jan-10	1,331,386,640	2,974,009	448				
Feb-10	1,184,526,335	2,976,971	398				
Mar-10	1,009,893,714	2,983,445	338				
Apr-10	655,674,268	2,988,422	219				
May-10	281,517,578	2,983,774	94				
Jun-10	203,974,534	2,984,478	68				
Jul-10	147,997,021	2,988,796	50				
Aug-10	130,202,942	2,988,257	44				
Sep-10	203,040,922	2,992,199	68				
Oct-10	364,764,947	2,994,871	122				
Nov-10	742,567,232	3,005,789	247				
Dec-10	1,115,522,203	3,016,229	370				
Jan-11	1,310,584,367	3,018,219	434				
Feb-11	1,152,653,816	3,022,537	381				
Mar-11	1,007,875,084	3,027,908	333				
Apr-11	626,325,611	3,028,660	207				
May-11	378,490,088	3,033,438	125				
Jun-11	184,509,948	3,030,492	61				
Jul-11	170,663,695	3,029,053	56				
Aug-11	135,034,444	3,031,737	45				
Sep-11	188,137,413	3,038,812	62				
Oct-11	383,104,380	3,045,134	126				
Nov-11	793,162,730	3,055,186	260				
Dec-11	1,127,801,653	3,064,856	368				
Jan-12	1,350,398,345	3,070,191	440				
Feb-12	1,209,547,757	3,073,278	394				
Mar-12	1,038,332,730	3,076,967	337				
Apr-12	631,718,890	3,080,425	205				
May-12	271,851,453	3,082,892	88				
Jun-12	198,126,488	3,080,865	64				
Jul-12	153,558,909	3,082,416	50				
Aug-12	140,483,077	3,081,510	46				

MONTHLY	EGI Residential Norm'd Volumes	EGI Residential Customers	EGI Residential norm'd AU	ANNUAL	EGI Residential norm'd AU
Sep-12	196,412,825	3,087,792	64		
Oct-12	337,922,502	3,098,636	109		
Nov-12	819,801,148	3,108,921	264		
Dec-12	1,107,931,922	3,116,834	355		
Jan-13	1,364,005,084	3,120,513	437		
Feb-13	1,202,695,220	3,124,850	385		
Mar-13	997,180,274	3,128,346	319		
Apr-13	672,697,701	3,131,658	215		
May-13	299,493,708	3,135,613	96		
Jun-13	199,831,454	3,133,175	64		
Jul-13	159,003,305	3,134,234	51		
Aug-13	148,676,184	3,136,780	47		
Sep-13	212,417,233	3,140,916	68		
Oct-13	377,042,556	3,148,136	120		
Nov-13	766,878,661	3,158,642	243		
Dec-13	1,130,682,945	3,167,630	357		
Jan-14	1,340,360,589	3,170,864	423		
Feb-14	1,184,930,438	3,174,492	373		
Mar-14	991,082,926	3,177,723	312		
Apr-14	697,748,820	3,180,670	219		
May-14	352,993,370	3,184,516	111		
Jun-14	159,419,227	3,182,578	50		
Jul-14	191,809,130	3,184,741	60		
Aug-14	174,579,286	3,187,945	55		
Sep-14	190,517,162	3,193,355	60		
Oct-14	395,506,308	3,201,963	124		
Nov-14	791,430,730	3,209,887	247		
Dec-14	1,173,576,769	3,218,259	365		
Jan-15	1,340,596,409	3,221,405	416		
Feb-15	1,173,698,643	3,225,023	364		
Mar-15	984,329,491	3,227,657	305		
Apr-15	681,455,723	3,230,912	211		
May-15	301,014,923	3,233,042	93		
Jun-15	197,805,105	3,230,755	61		
Jul-15	167,996,293	3,234,151	52		
Aug-15	182,398,734	3,235,585	56		
Sep-15	180,753,600	3,239,009	56		
Oct-15	392,642,218	3,247,283	121		
Nov-15	802,495,199	3,256,450	246		
Dec-15	1,158,451,595	3,264,550	355		
Jan-16	1,351,393,014	3,268,581	413		
Feb-16	1,213,883,099	3,272,291	371		
Mar-16	1,050,472,068	3,275,269	321		
Apr-16	637,160,980	3,278,259	194		
May-16	313,828,208	3,280,491	96		
Jun-16	194,714,617	3,280,398	59		
Jul-16	176,402,419	3,282,451	54		
Aug-16	163,780,373	3,284,226	50		
Sep-16	176,337,102	3,288,622	54		
Oct-16	380,231,208	3,294,538	115		
Nov-16	799,515,910	3,305,376	242		
Dec-16	1,138,068,766	3,312,757	344		
Jan-17	1,414,938,138	3,315,927	427		
Feb-17	1,238,588,592	3,319,790	373		
Mar-17	1,045,240,328	3,323,927	314		
Apr-17	714,492,195	3,325,005	215		
May-17	336,941,202	3,331,186	101		
Jun-17	204,734,579	3,330,442	61		
Jul-17	168,272,705	3,333,197	50		
Aug-17	171,483,322	3,335,785	51		
Sep-17	204,414,707	3,340,837	61		
Oct-17	407,672,208	3,344,890	122		
Nov-17	814,217,485	3,353,964	243		
Dec-17	1,139,592,215	3,359,586	339		
Jan-18	1,402,021,063	3,364,623	417		
Feb-18	1,265,857,978	3,366,512	376		
Mar-18	1,053,075,718	3,370,319	312		
Apr-18	676,754,790	3,373,220	201		
May-18	355,208,401	3,377,622	105		
Jun-18	238,445,327	3,377,103	71		
Jul-18	146,406,482	3,379,837	43		
Aug-18	145,774,512	3,382,293	43		
Sep-18	210,000,655	3,386,422	62		
Oct-18	399,380,017	3,393,015	118		
Nov-18	828,738,580	3,400,558	244		
Dec-18	1,190,969,601	3,405,874	350		
Jan-19	1,390,024,248	3,408,672	408		
Feb-19	1,259,313,422	3,410,873	369		
Mar-19	1,069,485,794	3,413,675	313		
Apr-19	704,673,192	3,415,186	206		
May-19	346,409,185	3,418,805	101		

MONTHLY	EGI Residential Norm'ed Volumes	EGI Residential Customers	EGI Residential norm'ed AU	ANNUAL	EGI Residential norm'ed AU
Jun-19	244,483,355	3,418,990	72		
Jul-19	210,547,260	3,419,951	62		
Aug-19	170,823,796	3,422,945	50		
Sep-19	194,534,444	3,426,060	57		
Oct-19	435,010,975	3,431,221	127		
Nov-19	795,088,294	3,441,271	231		
Dec-19	1,200,536,701	3,444,161	349		
Jan-20	1,421,668,681	3,448,624	412		
Feb-20	1,265,918,102	3,452,109	367		
Mar-20	1,083,363,252	3,453,420	314		
Apr-20	698,695,991	3,454,976	202		
May-20	330,094,903	3,458,029	95		
Jun-20	214,567,569	3,457,731	62		
Jul-20	212,500,782	3,461,235	61		
Aug-20	193,771,827	3,464,621	56		
Sep-20	200,454,291	3,467,912	58		
Oct-20	457,834,811	3,473,898	132		
Nov-20	890,145,182	3,481,233	256		
Dec-20	1,192,121,714	3,486,924	342		
Jan-21	1,405,689,575	3,488,875	403		
Feb-21	1,236,369,441	3,493,246	354		
Mar-21	1,069,691,278	3,494,584	306		
Apr-21	702,310,664	3,499,096	201		
May-21	303,917,007	3,501,125	87		
Jun-21	246,091,552	3,501,484	70		
Jul-21	214,992,541	3,502,236	61		
Aug-21	195,943,321	3,499,507	56		
Sep-21	197,792,433	3,502,267	56		
Oct-21	406,237,103	3,503,704	116		
Nov-21	843,127,082	3,510,280	240		
Dec-21	1,218,688,987	3,516,167	347		
Jan-22	1,485,271,767	3,522,131	422		
Feb-22	1,292,250,089	3,524,377	367		
Mar-22	1,102,012,718	3,532,682	312		
Apr-22	694,938,758	3,534,088	197		
May-22	313,723,734	3,534,897	89		
Jun-22	174,345,713	3,534,545	49		
Jul-22	174,383,052	3,535,307	49		
Aug-22	174,433,612	3,536,388	49		
Sep-22	177,561,010	3,540,003	50		
Oct-22	408,598,623	3,547,703	115		
Nov-22	864,636,287	3,556,516	243		
Dec-22	1,232,937,645	3,572,124	345		
Jan-23	1,500,046,973	3,564,421	421		
Feb-23	1,304,834,424	3,566,997	366		
Mar-23	1,110,434,957	3,569,655	311		
Apr-23	699,105,094	3,571,075	196		
May-23	313,902,817	3,571,891	88		
Jun-23	173,117,563	3,571,537	48		
Jul-23	173,154,546	3,572,307	48		
Aug-23	173,204,671	3,573,400	48		
Sep-23	176,366,944	3,577,051	49		
Oct-23	409,800,700	3,584,833	114		
Nov-23	870,558,564	3,593,737	242		
Dec-23	1,238,876,507	3,598,345	344		
Jan-24	1,512,227,190	3,600,567	420		
Feb-24	1,315,050,886	3,603,169	365		
Mar-24	1,118,697,279	3,605,855	310		
Apr-24	703,199,820	3,607,290	195		
May-24	314,094,139	3,608,116	87		
Jun-24	171,931,892	3,607,757	48		
Jul-24	171,968,587	3,608,536	48		
Aug-24	172,018,233	3,609,640	48		
Sep-24	175,214,395	3,613,327	48		
Oct-24	410,993,522	3,621,189	113		
Nov-24	876,372,532	3,630,181	241		
Dec-24	1,248,407,391	3,634,832	343		

Figure 1: Enbridge Gas: Residential Average Use (Proposed)
(Weather Normalized at 2024 Proposed HDDs)

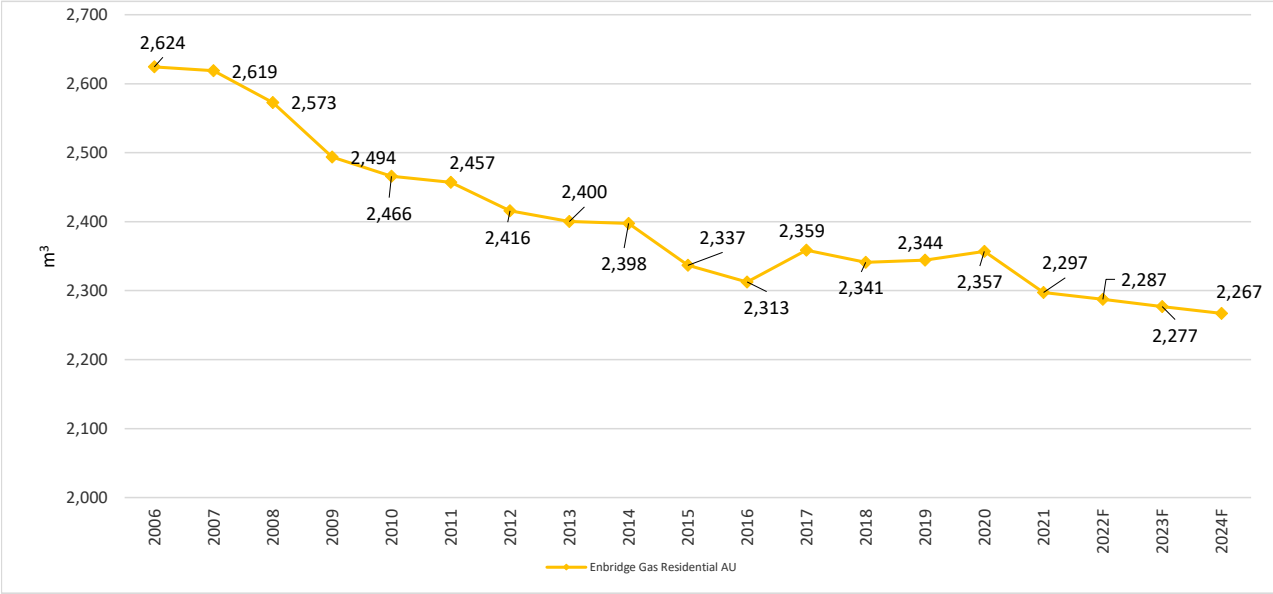
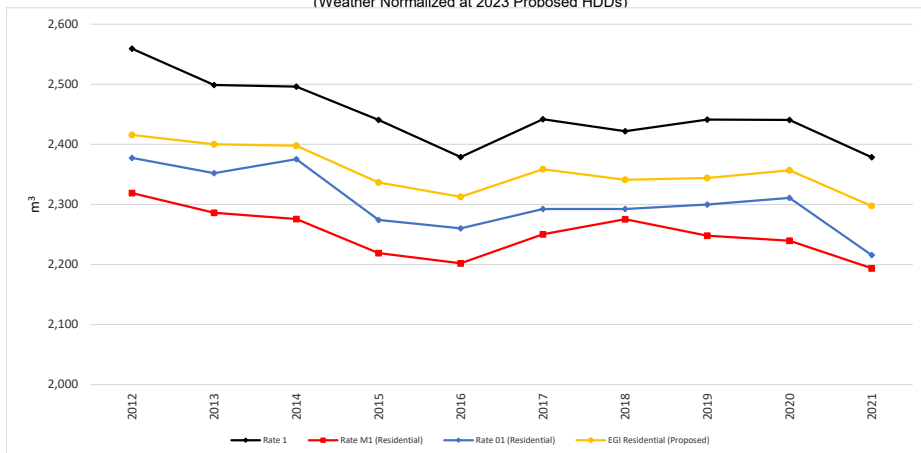


Figure 2: Enbridge Gas: Residential Average Use (based on EB-2022-0133)
 (Weather Normalized at 2023 Proposed HDDs)



Normalized Average use as filed in EB-2022-0133 (1)

	Rate 1	Rate M1 (Residential)	Rate O1 (Residential)	EGI Residential (Proposed)
2012	2,559	2,319	2,378	2,416
2013	2,499	2,286	2,352	2,400
2014	2,496	2,276	2,375	2,398
2015	2,441	2,219	2,274	2,337
2016	2,379	2,202	2,260	2,313
2017	2,442	2,250	2,292	2,359
2018	2,422	2,275	2,293	2,341
2019	2,441	2,248	2,300	2,344
2020	2,441	2,240	2,311	2,357
2021	2,378	2,194	2,216	2,297

Notes:

(1) The data is not available for pre-2012

Figure 3: Central Weather Zone Normalized Residential Average Use (Actual and Forecast)
(Weather Normalized at 2024 Proposed HDDs)

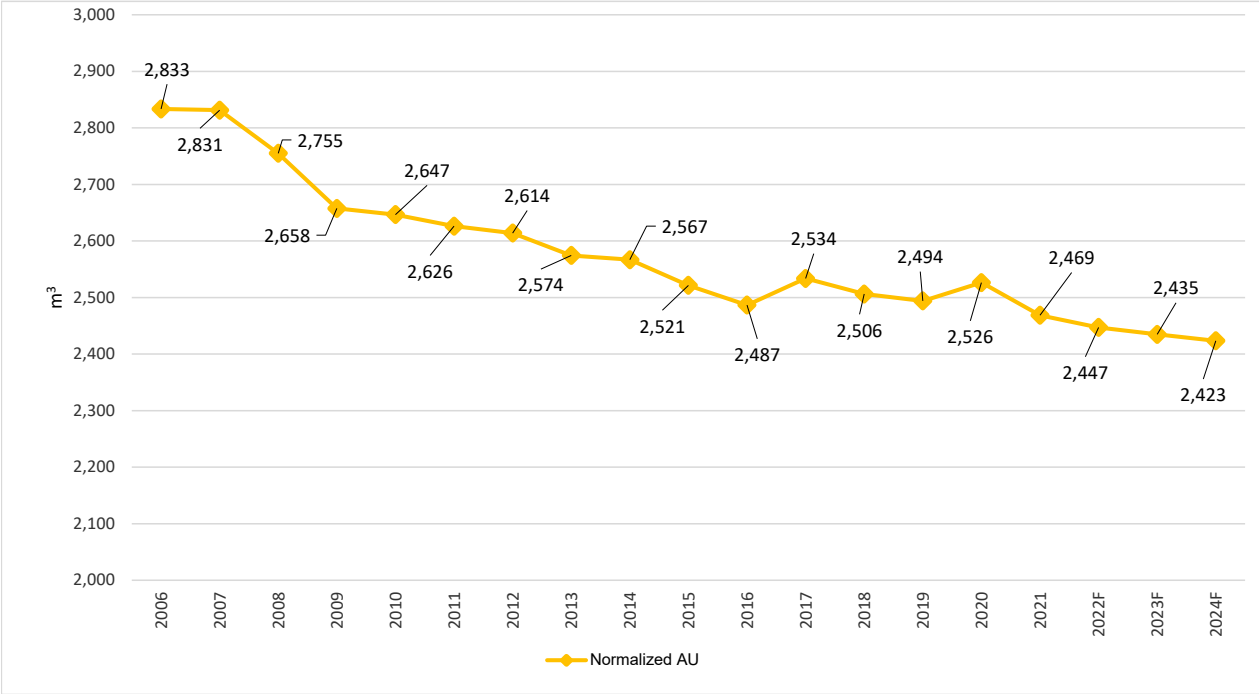


Figure 4: East Weather Zone Normalized Residential Average Use (Actual and Forecast)
(Weather Normalized at 2024 Proposed HDDs)

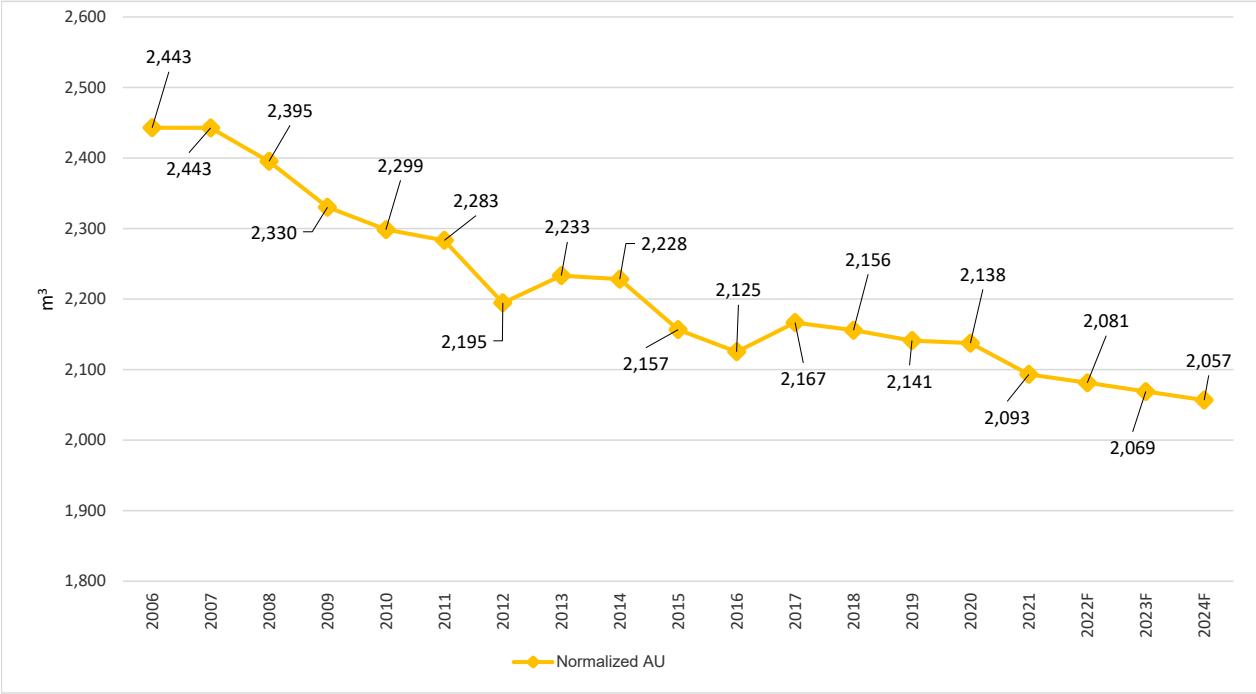


Figure 5: West Weather Zone Normalized Residential Average Use (Actual and Forecast)

(Weather Normalized at 2024 Proposed HDDs)

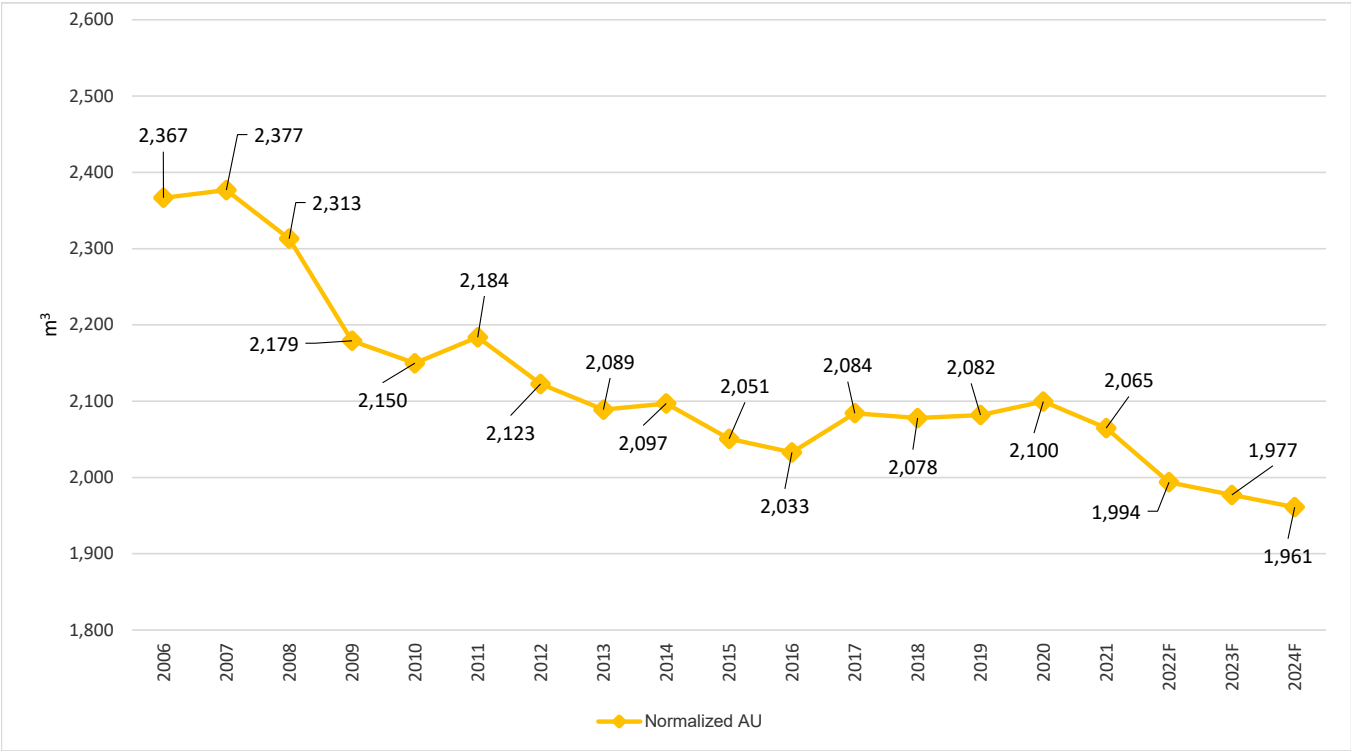


Figure 6: South Weather Zone Normalized Residential Average Use (Actual and Forecast)

(Weather Normalized at 2024 Proposed HDDs)

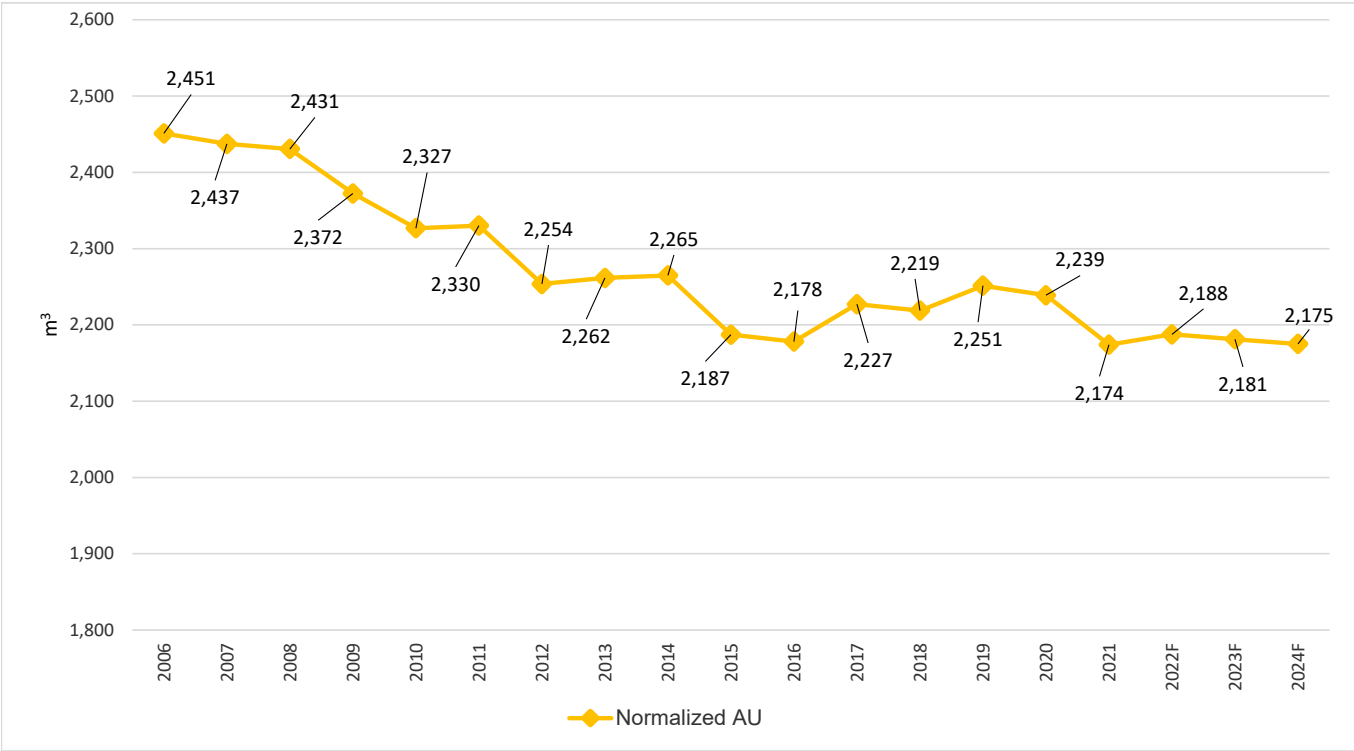
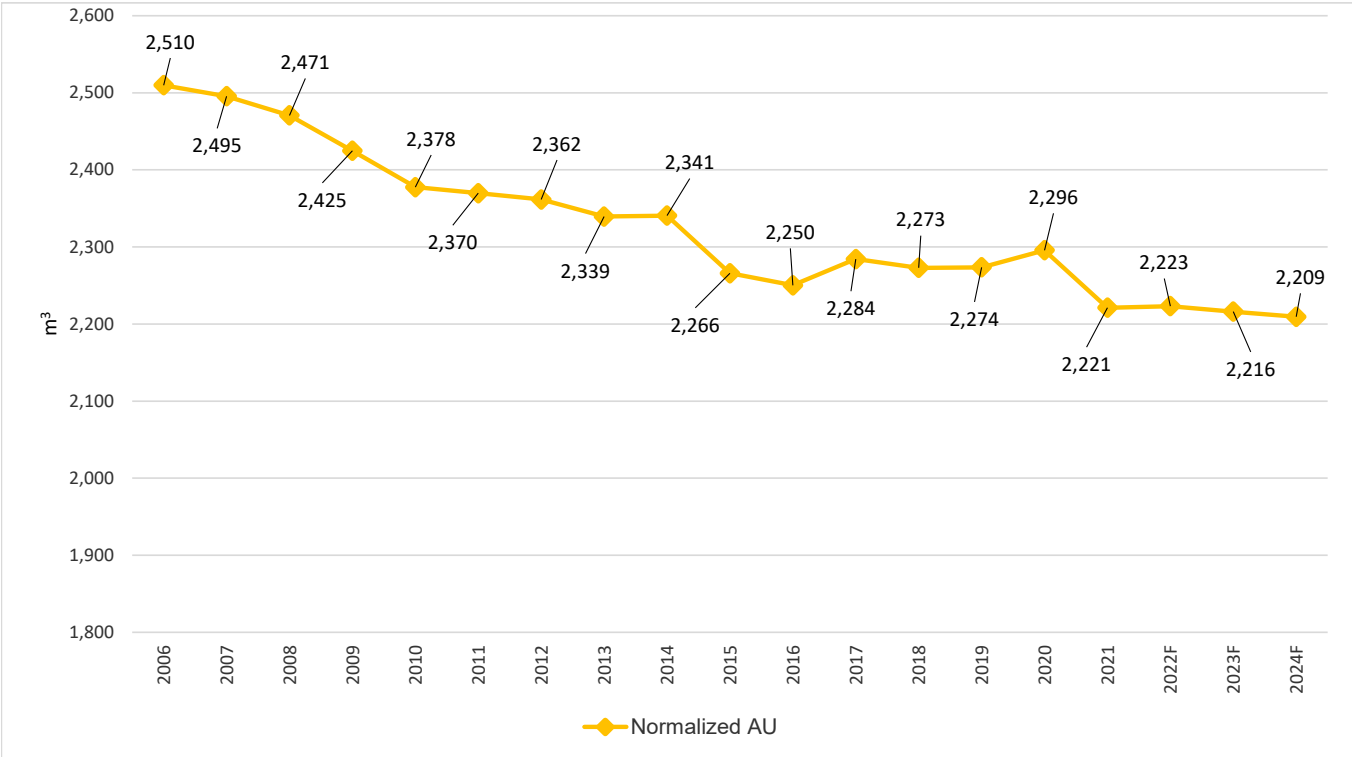


Figure 7: North Weather Zone Normalized Residential Average Use (Actual and Forecast)

(Weather Normalized at 2024 Proposed HDDs)



Residential by weather zones	Central Residential norm'd AU	East Residential norm'd AU	West Residential norm'd AU	South Residential norm'd AU	North Residential norm'd AU
Residential by weather and Rate class	Central Rate 1	East Rate 1	West Rate 1	South M1 and M2	North Rate 01
Jan-06	541	451	440	442	464
Feb-06	402	368	345	393	385
Mar-06	408	344	341	324	319
Apr-06	205	185	187	225	223
May-06	109	86	95	87	108
Jun-06	90	66	68	56	55
Jul-06	72	53	54	62	54
Aug-06	68	51	52	53	47
Sep-06	57	50	44	61	66
Oct-06	171	152	137	123	131
Nov-06	324	279	276	259	284
Dec-06	386	358	327	366	374
Jan-07	528	451	437	432	453
Feb-07	393	373	352	393	385
Mar-07	410	348	349	344	335
Apr-07	214	193	198	228	232
May-07	114	84	99	108	112
Jun-07	85	64	63	59	55
Jul-07	75	58	55	61	55
Aug-07	71	52	51	55	48
Sep-07	62	48	47	59	65
Oct-07	164	148	131	113	131
Nov-07	327	277	276	216	250
Dec-07	388	347	320	370	374
Jan-08	523	445	438	455	472
Feb-08	448	395	379	388	382
Mar-08	321	305	293	346	306
Apr-08	215	173	194	200	223
May-08	102	81	88	95	103
Jun-08	83	61	65	45	65
Jul-08	78	56	59	61	56
Aug-08	66	52	50	57	49
Sep-08	59	48	41	56	60
Oct-08	158	143	117	110	123
Nov-08	308	275	259	252	256
Dec-08	395	362	331	366	375
Jan-09	501	445	412	435	455
Feb-09	400	356	336	366	360
Mar-09	346	322	297	331	323
Apr-09	217	188	191	216	221
May-09	98	76	79	100	102
Jun-09	91	64	67	47	51
Jul-09	73	58	56	65	56
Aug-09	69	61	53	60	50
Sep-09	66	58	50	59	54
Oct-09	138	116	100	127	143
Nov-09	264	234	222	243	263
Dec-09	393	352	316	323	348
Jan-10	464	415	374	446	443
Feb-10	434	373	356	367	371
Mar-10	369	329	306	309	311
Apr-10	237	195	210	204	213
May-10	110	85	95	75	91
Jun-10	75	65	55	65	60
Jul-10	50	38	32	56	47
Aug-10	42	35	28	51	44
Sep-10	82	60	61	56	54
Oct-10	129	114	97	114	131
Nov-10	259	236	215	236	255
Dec-10	395	355	322	349	358
Jan-11	456	425	381	414	434
Feb-11	409	352	341	363	355
Mar-11	355	314	301	314	324
Apr-11	219	185	198	196	206
May-11	143	110	121	107	115
Jun-11	64	50	50	62	56
Jul-11	59	44	47	61	45
Aug-11	45	38	46	47	39
Sep-11	75	53	39	54	46
Oct-11	134	123	103	115	135
Nov-11	277	238	237	247	253
Dec-11	391	349	319	350	362
Jan-12	471	411	392	411	436
Feb-12	425	357	360	370	373
Mar-12	367	309	311	313	317
Apr-12	226	186	195	183	202
May-12	99	71	81	74	101
Jun-12	70	54	48	64	55
Jul-12	54	39	39	52	39
Aug-12	48	41	29	47	42
Sep-12	74	54	55	58	46
Oct-12	111	95	79	107	134
Nov-12	285	239	230	244	266
Dec-12	384	337	303	329	352
Jan-13	467	414	381	411	429
Feb-13	412	351	335	366	378
Mar-13	341	310	285	298	304
Apr-13	234	195	206	197	203
May-13	106	76	96	84	103

Jun-13	67	57	51	64	60
Jul-13	52	41	38	55	46
Aug-13	49	34	35	53	44
Sep-13	78	64	52	61	50
Oct-13	133	117	96	105	117
Nov-13	256	232	211	227	259
Dec-13	380	341	304	340	345
Jan-14	446	409	370	406	406
Feb-14	403	355	341	351	340
Mar-14	335	294	288	290	302
Apr-14	230	197	202	210	228
May-14	125	95	104	91	126
Jun-14	45	31	30	65	55
Jul-14	70	55	53	53	47
Aug-14	60	43	36	57	46
Sep-14	66	49	47	58	51
Oct-14	138	119	99	106	129
Nov-14	262	235	215	231	251
Dec-14	387	345	312	347	358
Jan-15	436	393	362	400	423
Feb-15	390	342	326	346	338
Mar-15	331	288	277	279	297
Apr-15	233	196	203	187	205
May-15	106	75	81	81	96
Jun-15	62	49	48	67	58
Jul-15	53	36	40	60	42
Aug-15	65	52	45	51	40
Sep-15	60	44	43	58	45
Oct-15	139	115	101	99	121
Nov-15	263	228	215	231	253
Dec-15	383	338	309	328	347
Jan-16	438	388	361	391	423
Feb-16	404	346	345	345	336
Mar-16	343	293	296	303	314
Apr-16	197	176	180	198	194
May-16	107	70	78	89	98
Jun-16	58	50	41	69	52
Jul-16	64	45	42	49	37
Aug-16	57	32	44	49	40
Sep-16	58	59	40	50	46
Oct-16	130	114	92	96	120
Nov-16	256	223	210	229	250
Dec-16	375	330	303	309	339
Jan-17	453	398	381	404	428
Feb-17	401	345	346	352	350
Mar-17	336	283	282	303	298
Apr-17	228	188	198	205	220
May-17	114	85	89	89	100
Jun-17	63	57	50	63	60
Jul-17	51	42	32	57	45
Aug-17	58	45	46	52	31
Sep-17	68	53	50	59	52
Oct-17	137	119	98	105	122
Nov-17	260	227	216	225	248
Dec-17	365	326	298	314	330
Jan-18	439	395	366	397	420
Feb-18	407	354	343	349	355
Mar-18	335	294	286	291	307
Apr-18	216	182	195	189	188
May-18	112	78	96	105	106
Jun-18	83	66	63	60	53
Jul-18	42	32	29	54	35
Aug-18	41	35	33	53	36
Sep-18	76	53	54	51	44
Oct-18	132	113	95	99	126
Nov-18	251	225	211	239	261
Dec-18	374	328	305	331	341
Jan-19	435	384	365	383	406
Feb-19	394	337	340	354	351
Mar-19	337	288	292	294	299
Apr-19	220	185	200	196	201
May-19	104	77	81	108	103
Jun-19	75	61	61	72	68
Jul-19	72	53	54	57	42
Aug-19	59	33	27	50	36
Sep-19	58	55	61	56	51
Oct-19	139	122	109	114	122
Nov-19	234	216	198	230	252
Dec-19	367	330	295	337	345
Jan-20	443	388	377	382	405
Feb-20	396	338	344	341	352
Mar-20	337	288	293	294	303
Apr-20	216	181	195	191	197
May-20	102	66	79	97	96
Jun-20	63	54	48	67	59
Jul-20	77	57	56	51	28
Aug-20	63	48	47	54	43
Sep-20	55	42	33	69	65
Oct-20	146	123	102	118	136
Nov-20	260	227	221	259	270
Dec-20	368	326	305	315	341
Jan-21	431	381	368	376	396
Feb-21	387	331	331	325	329
Mar-21	328	281	286	288	297

Apr-21	213	180	190	190	203
May-21	87	64	69	92	101
Jun-21	74	56	62	74	63
Jul-21	72	54	52	58	36
Aug-21	60	46	46	58	44
Sep-21	59	44	46	60	52
Oct-21	125	116	92	103	128
Nov-21	264	222	220	218	230
Dec-21	369	317	303	332	342
Jan-22	450	398	371	397	419
Feb-22	394	341	331	347	348
Mar-22	336	292	285	292	298
Apr-22	207	174	184	190	198
May-22	97	66	76	86	91
Jun-22	52	37	36	54	40
Jul-22	52	37	36	54	40
Aug-22	52	37	36	54	40
Sep-22	52	40	36	54	45
Oct-22	126	109	90	104	118
Nov-22	259	225	213	230	246
Dec-22	369	327	298	326	341
Jan-23	449	396	370	397	418
Feb-23	393	340	330	347	347
Mar-23	335	291	284	292	298
Apr-23	206	173	182	189	197
May-23	96	65	75	85	91
Jun-23	51	36	35	53	39
Jul-23	51	36	35	53	39
Aug-23	51	36	35	53	39
Sep-23	51	39	35	53	44
Oct-23	125	108	89	103	118
Nov-23	258	224	212	229	245
Dec-23	367	326	297	325	341
Jan-24	448	395	369	396	418
Feb-24	392	339	328	346	346
Mar-24	334	290	282	291	297
Apr-24	206	172	181	189	197
May-24	95	64	73	85	90
Jun-24	50	35	34	53	38
Jul-24	50	35	34	53	38
Aug-24	50	35	34	53	38
Sep-24	50	38	34	53	44
Oct-24	124	107	87	103	117
Nov-24	257	223	210	229	245
Dec-24	367	325	295	325	340

ANNUAL					
2006	2,833	2,443	2,367	2,451	2,510
2007	2,831	2,443	2,377	2,437	2,495
2008	2,755	2,395	2,313	2,431	2,471
2009	2,658	2,330	2,179	2,372	2,425
2010	2,647	2,299	2,150	2,327	2,378
2011	2,626	2,283	2,184	2,330	2,370
2012	2,614	2,195	2,123	2,254	2,362
2013	2,574	2,233	2,089	2,262	2,339
2014	2,567	2,228	2,097	2,265	2,341
2015	2,521	2,157	2,051	2,187	2,266
2016	2,487	2,125	2,033	2,178	2,250
2017	2,534	2,167	2,084	2,227	2,284
2018	2,506	2,156	2,078	2,219	2,273
2019	2,494	2,141	2,082	2,251	2,274
2020	2,526	2,138	2,100	2,239	2,296
2021	2,469	2,093	2,065	2,174	2,221
2022F	2,447	2,081	1,994	2,188	2,223
2023F	2,435	2,069	1,977	2,181	2,216
2024F	2,423	2,057	1,961	2,175	2,209

	Central Residential customers	East Residential customers	West Residential customers	South Residential customers	North Residential customers	Total Residential Customers
Jan-06	1,239,341	237,777	137,640	872,181	263,395	2,750,334
Feb-06	1,243,013	238,499	137,846	873,217	263,466	2,756,041
Mar-06	1,246,810	239,113	138,027	874,719	263,734	2,762,403
Apr-06	1,249,278	239,595	138,190	876,316	264,110	2,767,489
May-06	1,250,063	239,617	137,984	877,796	264,155	2,769,615
Jun-06	1,249,805	239,481	137,768	877,613	264,271	2,768,938
Jul-06	1,250,683	239,615	137,721	879,223	264,848	2,772,090
Aug-06	1,251,879	239,844	137,604	879,467	264,751	2,773,545
Sep-06	1,253,814	240,584	137,664	881,985	265,109	2,779,156
Oct-06	1,258,175	241,465	137,944	882,384	265,668	2,785,636
Nov-06	1,263,777	242,602	138,377	885,319	266,321	2,796,396
Dec-06	1,268,630	243,872	138,727	887,664	266,733	2,805,626
Jan-07	1,272,683	245,186	139,028	888,516	266,749	2,812,162
Feb-07	1,275,729	245,902	139,285	890,279	267,061	2,818,256
Mar-07	1,278,981	246,369	139,543	891,393	267,171	2,823,457
Apr-07	1,281,192	246,844	139,626	892,435	267,539	2,827,636
May-07	1,281,805	247,046	139,517	894,655	267,867	2,830,890
Jun-07	1,280,886	246,811	139,270	893,965	267,874	2,828,806
Jul-07	1,280,878	246,800	139,082	895,455	268,065	2,830,280
Aug-07	1,281,875	247,164	139,054	896,466	268,400	2,832,959
Sep-07	1,284,438	247,833	139,173	898,013	268,663	2,838,120
Oct-07	1,288,298	249,017	139,351	898,231	268,948	2,843,845
Nov-07	1,293,456	250,238	139,723	900,986	269,904	2,854,307
Dec-07	1,298,457	251,541	140,154	904,029	270,482	2,864,663
Jan-08	1,302,949	252,722	140,602	903,645	270,257	2,870,175
Feb-08	1,305,971	253,473	140,817	904,924	270,559	2,875,744
Mar-08	1,308,437	253,958	140,984	906,325	270,693	2,880,397
Apr-08	1,310,532	254,360	141,070	907,548	270,948	2,884,458
May-08	1,312,094	254,717	141,132	910,545	271,443	2,889,931
Jun-08	1,311,283	254,875	140,933	909,896	271,494	2,888,481
Jul-08	1,310,898	255,011	140,668	909,956	271,818	2,888,351
Aug-08	1,311,244	255,228	140,551	912,122	272,178	2,891,323
Sep-08	1,312,810	255,842	140,617	913,485	272,336	2,895,090
Oct-08	1,315,785	256,811	140,759	914,189	272,878	2,900,422
Nov-08	1,320,254	258,063	141,125	917,011	273,748	2,910,201
Dec-08	1,324,664	259,506	141,494	919,362	274,484	2,919,510
Jan-09	1,329,224	261,114	141,911	919,150	274,413	2,925,812
Feb-09	1,331,509	261,867	142,117	920,148	274,604	2,930,245
Mar-09	1,333,159	262,286	142,227	921,416	274,723	2,933,811
Apr-09	1,334,644	262,695	142,271	922,827	274,852	2,937,289
May-09	1,334,743	262,920	142,215	924,006	275,125	2,939,009
Jun-09	1,334,329	263,018	142,008	923,629	275,258	2,938,242
Jul-09	1,333,211	262,821	141,824	924,522	275,663	2,938,041
Aug-09	1,332,586	262,902	141,616	925,030	275,801	2,937,935
Sep-09	1,337,390	264,051	141,946	925,252	275,566	2,944,205
Oct-09	1,344,052	266,547	142,581	925,663	276,034	2,954,877
Nov-09	1,345,769	267,761	142,613	927,833	276,948	2,960,924
Dec-09	1,348,038	268,255	142,863	931,310	277,830	2,968,296
Jan-10	1,351,823	270,334	143,392	930,790	277,670	2,974,009
Feb-10	1,353,587	270,429	143,503	931,652	277,800	2,976,971
Mar-10	1,357,191	271,193	143,731	933,262	278,068	2,983,445
Apr-10	1,360,365	271,892	143,873	934,133	278,159	2,988,422
May-10	1,355,395	270,864	143,434	935,660	278,421	2,983,774
Jun-10	1,354,817	271,139	143,395	936,305	278,822	2,984,478
Jul-10	1,354,684	271,049	143,128	940,112	279,823	2,988,796
Aug-10	1,356,853	271,641	143,275	937,370	279,118	2,988,257
Sep-10	1,358,123	272,433	143,257	939,001	279,385	2,992,199
Oct-10	1,358,965	273,169	143,227	939,532	279,978	2,994,871
Nov-10	1,365,275	274,750	143,497	941,542	280,725	3,005,789
Dec-10	1,369,364	275,980	143,884	945,191	281,810	3,016,229
Jan-11	1,371,365	276,729	144,140	944,364	281,621	3,018,219
Feb-11	1,373,592	277,458	144,345	945,382	281,760	3,022,537

Mar-11	1,376,913	278,326	144,550	946,180	281,939	3,027,908
Apr-11	1,376,537	278,313	144,527	947,182	282,101	3,028,660
May-11	1,377,675	279,126	144,610	949,387	282,640	3,033,438
Jun-11	1,376,123	278,966	144,286	948,410	282,707	3,030,492
Jul-11	1,373,759	278,494	143,836	949,617	283,347	3,029,053
Aug-11	1,375,306	279,084	143,920	950,111	283,316	3,031,737
Sep-11	1,378,527	280,430	144,126	951,925	283,804	3,038,812
Oct-11	1,382,079	281,946	144,408	952,160	284,541	3,045,134
Nov-11	1,387,294	283,307	144,823	954,194	285,568	3,055,186
Dec-11	1,391,753	284,941	145,322	956,420	286,420	3,064,856
Jan-12	1,395,077	286,270	145,651	956,570	286,623	3,070,191
Feb-12	1,396,984	286,774	145,768	956,973	286,779	3,073,278
Mar-12	1,398,694	287,306	146,013	957,950	287,004	3,076,967
Apr-12	1,399,656	287,787	145,977	959,689	287,316	3,080,425
May-12	1,399,315	288,141	145,881	961,840	287,715	3,082,892
Jun-12	1,397,801	287,923	145,669	961,663	287,809	3,080,865
Jul-12	1,397,309	288,183	145,485	963,074	288,365	3,082,416
Aug-12	1,396,594	288,142	145,352	963,000	288,422	3,081,510
Sep-12	1,399,557	289,163	145,676	964,758	288,638	3,087,792
Oct-12	1,407,586	291,751	146,343	963,746	289,210	3,098,636
Nov-12	1,411,722	293,010	146,756	966,928	290,505	3,108,921
Dec-12	1,414,740	294,149	146,994	969,405	291,546	3,116,834
Jan-13	1,417,651	295,012	147,275	969,018	291,557	3,120,513
Feb-13	1,419,565	295,399	147,391	970,425	292,070	3,124,850
Mar-13	1,421,402	295,885	147,607	971,383	292,069	3,128,346
Apr-13	1,422,518	296,420	147,726	972,639	292,355	3,131,658
May-13	1,422,817	296,853	147,758	975,309	292,876	3,135,613
Jun-13	1,421,490	296,704	147,487	974,558	292,936	3,133,175
Jul-13	1,420,551	296,721	147,320	976,120	293,522	3,134,234
Aug-13	1,421,500	297,155	147,383	977,097	293,645	3,136,780
Sep-13	1,422,822	297,999	147,370	978,588	294,137	3,140,916
Oct-13	1,428,231	299,580	147,860	977,665	294,800	3,148,136
Nov-13	1,433,022	301,093	148,250	980,188	296,089	3,158,642
Dec-13	1,437,022	302,374	148,682	982,383	297,169	3,167,630
Jan-14	1,439,111	303,537	148,956	981,881	297,379	3,170,864
Feb-14	1,440,702	304,140	149,143	982,805	297,702	3,174,492
Mar-14	1,442,269	304,688	149,369	983,544	297,853	3,177,723
Apr-14	1,443,362	305,089	149,521	984,498	298,200	3,180,670
May-14	1,443,862	305,422	149,570	987,191	298,471	3,184,516
Jun-14	1,442,505	305,258	149,347	986,770	298,698	3,182,578
Jul-14	1,441,981	305,242	149,280	988,842	299,396	3,184,741
Aug-14	1,443,083	305,832	149,379	989,872	299,779	3,187,945
Sep-14	1,445,269	307,170	149,496	991,174	300,246	3,193,355
Oct-14	1,449,846	308,825	149,944	991,821	301,527	3,201,963
Nov-14	1,453,707	310,255	150,336	993,058	302,531	3,209,887
Dec-14	1,457,086	311,256	150,644	995,655	303,618	3,218,259
Jan-15	1,459,444	312,088	150,920	995,108	303,845	3,221,405
Feb-15	1,461,350	312,796	151,173	995,673	304,031	3,225,023
Mar-15	1,462,479	313,106	151,256	996,634	304,182	3,227,657
Apr-15	1,463,329	313,512	151,463	997,914	304,694	3,230,912
May-15	1,463,020	313,511	151,305	1,000,085	305,121	3,233,042
Jun-15	1,461,994	313,278	151,100	999,354	305,029	3,230,755
Jul-15	1,461,856	313,305	151,087	1,001,991	305,912	3,234,151
Aug-15	1,462,322	313,516	151,147	1,002,503	306,097	3,235,585
Sep-15	1,464,324	314,152	151,334	1,003,151	306,048	3,239,009
Oct-15	1,469,349	315,643	151,789	1,003,501	307,001	3,247,283
Nov-15	1,473,462	316,890	152,260	1,005,624	308,214	3,256,450
Dec-15	1,477,588	318,057	152,680	1,007,419	308,806	3,264,550
Jan-16	1,480,117	318,753	152,511	1,008,032	309,168	3,268,581
Feb-16	1,481,919	319,256	153,107	1,008,577	309,432	3,272,291
Mar-16	1,482,957	319,728	153,237	1,009,663	309,684	3,275,269
Apr-16	1,483,812	320,025	153,356	1,011,127	309,939	3,278,259
May-16	1,483,631	320,119	153,332	1,013,288	310,121	3,280,491
Jun-16	1,482,513	319,962	153,202	1,014,084	310,637	3,280,398
Jul-16	1,482,096	319,926	153,176	1,015,915	311,338	3,282,451

Aug-16	1,483,059	320,276	153,352	1,016,198	311,341	3,284,226
Sep-16	1,484,625	320,968	153,393	1,017,874	311,762	3,288,622
Oct-16	1,489,274	322,042	153,784	1,017,112	312,326	3,294,538
Nov-16	1,494,154	323,046	154,219	1,020,131	313,826	3,305,376
Dec-16	1,497,703	323,661	154,537	1,022,277	314,579	3,312,757
Jan-17	1,500,480	324,292	154,751	1,021,899	314,505	3,315,927
Feb-17	1,502,542	324,878	154,899	1,022,877	314,594	3,319,790
Mar-17	1,504,362	325,378	155,098	1,024,302	314,787	3,323,927
Apr-17	1,503,749	325,858	155,290	1,025,132	314,976	3,325,005
May-17	1,505,774	326,098	155,362	1,028,403	315,549	3,331,186
Jun-17	1,505,533	326,015	155,287	1,027,828	315,779	3,330,442
Jul-17	1,505,807	326,117	155,370	1,029,574	316,329	3,333,197
Aug-17	1,506,882	326,476	155,534	1,030,434	316,459	3,335,785
Sep-17	1,508,862	327,158	155,763	1,032,065	316,989	3,340,837
Oct-17	1,512,915	328,190	156,108	1,030,559	317,118	3,344,890
Nov-17	1,517,325	329,306	156,440	1,032,791	318,102	3,353,964
Dec-17	1,519,738	330,073	156,672	1,034,758	318,345	3,359,586
Jan-18	1,521,559	330,675	156,899	1,036,382	319,108	3,364,623
Feb-18	1,522,470	331,010	156,987	1,037,019	319,026	3,366,512
Mar-18	1,524,233	331,458	157,169	1,038,210	319,249	3,370,319
Apr-18	1,524,808	331,873	157,256	1,039,967	319,316	3,373,220
May-18	1,525,191	332,160	157,272	1,042,872	320,127	3,377,622
Jun-18	1,524,349	331,977	157,173	1,043,177	320,427	3,377,103
Jul-18	1,524,553	332,228	157,184	1,044,936	320,936	3,379,837
Aug-18	1,525,013	332,579	157,289	1,046,091	321,321	3,382,293
Sep-18	1,526,632	333,367	157,463	1,047,478	321,482	3,386,422
Oct-18	1,531,435	334,812	157,866	1,046,987	321,915	3,393,015
Nov-18	1,534,788	335,876	158,234	1,048,859	322,801	3,400,558
Dec-18	1,536,668	336,610	158,419	1,050,945	323,232	3,405,874
Jan-19	1,538,235	337,102	158,575	1,051,293	323,467	3,408,672
Feb-19	1,538,977	337,529	158,688	1,052,210	323,469	3,410,873
Mar-19	1,540,252	337,938	158,784	1,053,033	323,668	3,413,675
Apr-19	1,540,887	338,309	158,816	1,053,459	323,715	3,415,186
May-19	1,541,154	338,589	158,897	1,056,078	324,087	3,418,805
Jun-19	1,540,173	338,591	158,839	1,056,792	324,595	3,418,990
Jul-19	1,539,947	338,773	158,817	1,057,226	325,188	3,419,951
Aug-19	1,540,373	339,268	158,924	1,059,108	325,272	3,422,945
Sep-19	1,541,756	340,064	159,060	1,059,626	325,554	3,426,060
Oct-19	1,546,034	341,487	159,542	1,058,500	325,658	3,431,221
Nov-19	1,549,176	342,579	160,095	1,062,442	326,979	3,441,271
Dec-19	1,549,037	342,998	160,253	1,064,373	327,500	3,444,161
Jan-20	1,552,313	343,970	160,773	1,064,207	327,361	3,448,624
Feb-20	1,553,506	344,387	160,980	1,065,487	327,749	3,452,109
Mar-20	1,554,023	344,832	161,120	1,065,823	327,622	3,453,420
Apr-20	1,554,053	345,028	161,199	1,066,838	327,858	3,454,976
May-20	1,554,459	345,319	161,356	1,068,781	328,114	3,458,029
Jun-20	1,554,590	345,612	161,443	1,068,183	327,903	3,457,731
Jul-20	1,555,114	346,097	161,620	1,069,804	328,600	3,461,235
Aug-20	1,555,320	346,576	161,740	1,071,596	329,389	3,464,621
Sep-20	1,556,560	347,500	161,939	1,072,531	329,382	3,467,912
Oct-20	1,559,498	348,826	162,215	1,073,483	329,876	3,473,898
Nov-20	1,562,102	349,949	162,508	1,076,369	330,305	3,481,233
Dec-20	1,564,280	350,843	162,726	1,078,083	330,992	3,486,924
Jan-21	1,566,092	351,505	162,948	1,077,587	330,743	3,488,875
Feb-21	1,567,170	352,064	163,127	1,079,720	331,165	3,493,246
Mar-21	1,568,104	352,661	163,244	1,079,317	331,258	3,494,584
Apr-21	1,568,997	353,169	163,402	1,081,808	331,720	3,499,096
May-21	1,568,698	353,403	163,448	1,083,646	331,930	3,501,125
Jun-21	1,568,209	353,786	163,506	1,083,745	332,238	3,501,484
Jul-21	1,568,514	354,306	163,625	1,083,034	332,757	3,502,236
Aug-21	1,568,350	354,673	163,754	1,081,132	331,598	3,499,507
Sep-21	1,568,904	355,299	163,877	1,082,515	331,672	3,502,267
Oct-21	1,570,409	356,196	163,996	1,081,764	331,339	3,503,704
Nov-21	1,573,297	357,210	164,268	1,083,446	332,059	3,510,280
Dec-21	1,575,570	358,144	164,513	1,085,488	332,452	3,516,167

Jan-22	1,577,202	358,932	164,763	1,088,104	333,130	3,522,131
Feb-22	1,577,954	359,335	164,877	1,088,706	333,505	3,524,377
Mar-22	1,583,250	358,988	165,257	1,091,222	333,965	3,532,682
Apr-22	1,583,886	359,285	165,347	1,091,495	334,075	3,534,088
May-22	1,584,232	359,446	165,395	1,091,757	334,067	3,534,897
Jun-22	1,583,956	359,317	165,356	1,091,946	333,970	3,534,545
Jul-22	1,584,359	359,504	165,413	1,092,136	333,895	3,535,307
Aug-22	1,584,854	359,735	165,483	1,092,297	334,019	3,536,388
Sep-22	1,586,227	360,376	165,677	1,093,305	334,418	3,540,003
Oct-22	1,589,422	361,867	166,129	1,095,107	335,178	3,547,703
Nov-22	1,592,267	363,194	166,531	1,098,169	336,355	3,556,516
Dec-22	1,598,059	365,896	167,350	1,103,062	337,757	3,572,124
Jan-23	1,595,601	364,750	167,003	1,100,736	336,331	3,564,421
Feb-23	1,596,611	365,221	167,145	1,101,574	336,446	3,566,997
Mar-23	1,597,734	365,744	167,304	1,102,363	336,510	3,569,655
Apr-23	1,598,377	366,044	167,395	1,102,638	336,621	3,571,075
May-23	1,598,726	366,207	167,444	1,102,902	336,612	3,571,891
Jun-23	1,598,446	366,077	167,405	1,103,094	336,515	3,571,537
Jul-23	1,598,853	366,267	167,462	1,103,286	336,439	3,572,307
Aug-23	1,599,354	366,500	167,533	1,103,449	336,564	3,573,400
Sep-23	1,600,742	367,148	167,729	1,104,466	336,966	3,577,051
Oct-23	1,603,973	368,655	168,186	1,106,287	337,732	3,584,833
Nov-23	1,606,849	369,997	168,593	1,109,380	338,918	3,593,737
Dec-23	1,608,460	370,748	168,820	1,111,048	339,269	3,598,345
Jan-24	1,609,777	371,363	169,007	1,111,666	338,754	3,600,567
Feb-24	1,610,797	371,839	169,151	1,112,512	338,870	3,603,169
Mar-24	1,611,932	372,368	169,311	1,113,309	338,935	3,605,855
Apr-24	1,612,582	372,671	169,403	1,113,587	339,047	3,607,290
May-24	1,612,935	372,836	169,453	1,113,854	339,038	3,608,116
Jun-24	1,612,652	372,705	169,413	1,114,047	338,940	3,607,757
Jul-24	1,613,064	372,896	169,471	1,114,241	338,864	3,608,536
Aug-24	1,613,569	373,132	169,543	1,114,406	338,990	3,609,640
Sep-24	1,614,972	373,787	169,741	1,115,433	339,394	3,613,327
Oct-24	1,618,238	375,310	170,203	1,117,272	340,166	3,621,189
Nov-24	1,621,145	376,667	170,613	1,120,396	341,360	3,630,181
Dec-24	1,622,772	377,426	170,843	1,122,078	341,713	3,634,832



	Central Residential norm'ed volumes	East Residential norm'ed volumes	West Residential norm'ed volumes	South Residential norm'ed volumes	North Residential norm'ed volumes	Total Residential volumes
Jan-06	670,652,653	107,143,190	60,626,955	385,218,014	122,295,626	1,345,936,437
Feb-06	499,199,664	87,841,169	47,488,632	342,956,701	101,451,617	1,078,937,783
Mar-06	509,187,855	82,178,259	47,027,449	283,292,069	84,234,216	1,005,919,849
Apr-06	255,522,450	44,357,218	25,853,715	197,374,477	58,813,170	581,921,031
May-06	136,071,317	20,671,945	13,170,158	76,004,340	28,590,555	274,508,316
Jun-06	111,946,876	15,805,005	9,388,658	49,539,085	14,439,208	201,118,832
Jul-06	90,570,755	12,767,918	7,400,825	54,919,450	14,367,455	180,026,403
Aug-06	85,555,406	12,209,017	7,101,906	46,884,942	12,337,979	164,089,250
Sep-06	71,842,435	12,019,385	6,112,762	53,761,908	17,403,830	161,140,319
Oct-06	215,202,224	36,717,097	18,880,759	108,260,652	34,702,135	413,762,868
Nov-06	409,664,904	67,617,731	38,249,272	229,054,060	75,703,997	820,289,965
Dec-06	489,791,852	87,314,035	45,396,346	325,229,185	99,775,867	1,047,507,284
Jan-07	672,598,408	110,555,308	60,774,997	383,910,929	120,908,535	1,348,748,178
Feb-07	501,852,865	91,727,434	48,964,900	349,828,892	102,876,017	1,095,250,109
Mar-07	524,381,076	85,626,012	48,646,028	306,497,760	89,442,549	1,054,593,425
Apr-07	273,928,385	47,718,388	27,631,264	203,271,608	62,007,620	614,557,266
May-07	146,401,747	20,819,986	13,791,924	96,413,147	29,873,254	307,300,058
Jun-07	108,964,296	15,695,773	8,727,196	53,123,903	14,711,874	201,223,042
Jul-07	96,034,384	14,210,984	7,612,190	54,487,140	14,797,602	187,142,300
Aug-07	90,627,236	12,944,036	7,110,751	49,433,947	12,756,315	172,872,285
Sep-07	79,702,793	11,962,332	6,542,702	52,699,889	17,551,502	168,459,218
Oct-07	210,866,048	36,765,251	18,192,738	101,664,831	35,330,635	402,819,503
Nov-07	422,632,100	69,393,905	38,623,294	194,655,345	67,514,685	792,819,329
Dec-07	503,983,437	87,244,006	44,873,516	334,058,725	101,282,616	1,071,442,300
Jan-08	681,129,813	112,369,441	61,528,308	411,335,436	127,695,395	1,394,058,392
Feb-08	584,625,852	100,066,673	53,383,428	351,302,746	103,474,247	1,192,852,946
Mar-08	420,443,630	77,381,699	41,357,243	313,235,264	82,872,830	935,290,665
Apr-08	281,449,539	44,126,269	27,314,930	181,099,537	60,366,463	594,356,738
May-08	134,424,387	20,628,818	12,408,729	86,719,241	28,032,128	282,213,302
Jun-08	108,751,489	15,616,122	9,158,274	40,680,624	17,561,359	191,767,868
Jul-08	101,961,385	14,383,215	8,230,718	55,605,586	15,290,546	195,471,450
Aug-08	86,106,408	13,340,208	7,039,985	52,240,636	13,394,260	172,121,497
Sep-08	77,040,988	12,152,551	5,789,882	51,247,822	16,204,211	162,435,454
Oct-08	207,610,739	36,689,880	16,470,353	100,256,091	33,597,041	394,624,104
Nov-08	406,363,431	70,903,644	36,492,228	230,828,890	70,018,299	814,606,491
Dec-08	523,733,026	93,881,711	46,838,248	336,659,434	102,907,509	1,104,019,929
Jan-09	666,110,008	116,269,585	58,485,503	400,096,479	124,839,628	1,365,801,203
Feb-09	532,284,182	93,197,370	47,747,115	336,761,369	98,722,601	1,108,712,637
Mar-09	461,861,130	84,495,038	42,173,435	304,770,663	88,672,117	981,972,383
Apr-09	289,620,742	49,320,607	27,110,513	199,727,685	60,857,676	626,637,222
May-09	131,292,805	19,865,260	11,241,412	91,938,889	28,025,857	282,364,223
Jun-09	121,618,120	16,902,142	9,452,667	43,746,909	13,900,778	205,620,616
Jul-09	97,575,673	15,330,889	7,920,924	59,751,995	15,574,291	196,153,772
Aug-09	91,909,543	16,088,531	7,571,171	55,127,305	13,721,241	184,417,791
Sep-09	88,196,676	15,213,145	7,166,446	54,536,994	14,852,287	179,965,548
Oct-09	185,953,669	30,921,693	14,259,294	117,794,380	39,383,990	388,313,025
Nov-09	355,926,827	62,620,605	31,703,066	225,483,870	72,912,707	748,647,074
Dec-09	529,635,702	94,521,405	45,182,438	301,277,225	96,599,972	1,067,216,741
Jan-10	627,760,226	112,247,075	53,570,033	414,897,769	122,911,537	1,331,386,640
Feb-10	587,546,876	100,768,185	51,023,080	342,071,554	103,116,639	1,184,526,335
Mar-10	501,231,859	89,348,900	43,924,630	288,842,903	86,545,421	1,009,893,714
Apr-10	323,049,751	53,135,538	30,167,232	190,159,422	59,162,325	655,674,268
May-10	149,468,623	22,942,786	13,663,349	70,020,401	25,422,419	281,517,578
Jun-10	101,435,752	17,526,834	7,869,496	60,398,621	16,743,831	203,974,534
Jul-10	67,763,022	10,239,295	4,538,182	52,306,433	13,150,090	147,997,021
Aug-10	56,489,715	9,528,476	4,050,026	47,965,851	12,168,873	130,202,942
Sep-10	110,800,341	16,262,221	8,738,032	52,150,998	15,089,331	203,040,922
Oct-10	175,658,266	31,087,055	13,942,125	107,453,821	36,623,680	364,764,947
Nov-10	353,091,471	64,742,407	30,829,736	222,229,924	71,673,694	742,567,232

Dec-10	540,957,321	97,841,109	46,346,342	329,561,272	100,816,160	1,115,522,203
Jan-11	625,607,541	117,484,345	54,888,247	390,512,507	122,091,727	1,310,584,367
Feb-11	562,287,075	97,585,005	49,276,868	343,444,005	100,060,863	1,152,653,816
Mar-11	488,166,790	87,516,901	43,543,899	297,436,860	91,210,634	1,007,875,084
Apr-11	302,085,542	51,614,862	28,568,099	185,836,551	58,220,558	626,325,611
May-11	196,338,925	30,724,187	17,569,555	101,318,973	32,538,448	378,490,088
Jun-11	88,493,994	14,054,852	7,245,105	58,794,375	15,921,622	184,509,948
Jul-11	80,647,581	12,357,218	6,722,725	58,058,946	12,877,226	170,663,695
Aug-11	61,670,357	10,719,754	6,620,615	45,059,695	10,964,023	135,034,444
Sep-11	103,179,536	14,990,318	5,569,316	51,390,532	13,007,712	188,137,413
Oct-11	185,504,041	34,809,245	14,873,464	109,569,129	38,348,501	383,104,380
Nov-11	383,654,398	67,429,019	34,341,555	235,424,032	72,313,726	793,162,730
Dec-11	543,797,516	99,447,882	46,424,155	334,496,266	103,635,833	1,127,801,653
Jan-12	657,468,996	117,695,571	57,117,341	393,080,714	125,035,723	1,350,398,345
Feb-12	593,102,002	102,502,735	52,479,231	354,443,518	107,020,272	1,209,547,757
Mar-12	513,071,655	88,793,747	45,369,425	300,202,625	90,895,278	1,038,332,730
Apr-12	316,462,776	53,512,634	28,534,130	175,218,675	57,990,675	631,718,890
May-12	139,153,227	20,423,619	11,755,282	71,532,280	28,987,045	271,851,453
Jun-12	98,281,079	15,433,552	6,996,421	61,578,650	15,836,787	198,126,488
Jul-12	75,738,623	11,329,426	5,665,077	49,663,631	11,162,152	153,558,909
Aug-12	66,600,174	11,924,510	4,261,975	45,643,723	12,052,694	140,483,077
Sep-12	103,293,146	15,622,282	8,065,079	56,288,671	13,143,646	196,412,825
Oct-12	156,585,308	27,733,891	11,499,200	103,367,551	38,736,554	337,922,502
Nov-12	402,222,324	70,123,003	33,751,801	236,359,659	77,344,362	819,801,148
Dec-12	542,560,783	99,270,643	44,610,323	318,964,989	102,525,183	1,107,931,922
Jan-13	662,381,777	122,075,736	56,047,539	398,363,883	125,136,148	1,364,005,084
Feb-13	584,223,200	103,693,573	49,305,374	355,145,163	110,327,910	1,202,695,220
Mar-13	484,916,032	91,854,103	42,136,356	289,547,802	88,725,981	997,180,274
Apr-13	333,003,927	57,864,736	30,470,949	192,073,959	59,284,129	672,697,701
May-13	151,134,597	22,445,543	14,129,423	81,477,800	30,306,345	299,493,708
Jun-13	94,930,981	17,014,370	7,460,657	62,813,089	17,612,356	199,831,454
Jul-13	73,831,273	12,193,871	5,651,783	53,774,198	13,552,181	159,003,305
Aug-13	69,013,845	10,075,048	5,118,365	51,511,954	12,956,972	148,676,184
Sep-13	111,281,776	19,183,189	7,711,932	59,419,145	14,821,191	212,417,233
Oct-13	190,318,278	35,026,748	14,211,576	102,870,126	34,615,828	377,042,556
Nov-13	366,313,299	69,935,705	31,248,830	222,617,952	76,762,875	766,878,661
Dec-13	545,664,433	103,213,109	45,143,705	334,154,390	102,507,308	1,130,682,945
Jan-14	641,601,411	124,263,798	55,100,393	398,638,023	120,756,964	1,340,360,589
Feb-14	580,055,686	107,948,991	50,905,772	344,797,264	101,222,725	1,184,930,438
Mar-14	483,360,025	89,705,631	43,089,680	284,887,995	90,039,595	991,082,926
Apr-14	332,231,683	60,184,591	30,227,579	207,138,189	67,966,777	697,748,820
May-14	180,904,096	29,012,455	15,544,744	90,009,512	37,522,563	352,993,370
Jun-14	64,901,647	9,376,186	4,413,537	64,218,632	16,509,225	159,419,227
Jul-14	100,293,173	16,901,605	7,934,083	52,477,783	14,202,485	191,809,130
Aug-14	86,291,142	13,219,535	5,326,243	55,947,467	13,794,900	174,579,286
Sep-14	95,655,148	15,046,869	7,098,144	57,384,861	15,332,141	190,517,162
Oct-14	199,985,556	36,737,049	14,807,028	105,008,004	38,968,670	395,506,308
Nov-14	380,741,063	72,781,547	32,260,987	229,646,439	76,000,693	791,430,730
Dec-14	564,607,411	107,508,215	47,000,434	345,629,751	108,830,958	1,173,576,769
Jan-15	636,542,353	122,617,042	54,690,950	398,193,782	128,552,282	1,340,596,409
Feb-15	570,140,588	107,009,251	49,329,115	344,316,621	102,903,068	1,173,698,643
Mar-15	483,540,493	90,260,587	41,932,809	278,232,214	90,363,389	984,329,491
Apr-15	340,655,980	61,353,100	30,736,326	186,171,832	62,538,484	681,455,723
May-15	154,619,953	23,484,502	12,244,890	81,415,038	29,250,540	301,014,923
Jun-15	90,618,961	15,396,032	7,253,239	66,856,167	17,680,706	197,805,105
Jul-15	77,492,182	11,221,506	6,017,453	60,285,118	12,980,035	167,996,293
Aug-15	95,520,094	16,459,200	6,861,264	51,321,266	12,236,911	182,398,734
Sep-15	88,375,208	13,921,270	6,528,820	58,280,394	13,647,907	180,753,600
Oct-15	204,052,014	36,430,688	15,305,933	99,559,598	37,293,986	392,642,218
Nov-15	387,462,051	72,181,070	32,668,508	232,263,844	77,919,726	802,495,199
Dec-15	566,631,382	107,463,101	47,212,314	330,036,462	107,108,335	1,158,451,595
Jan-16	647,929,036	123,623,114	55,074,382	394,021,623	130,744,858	1,351,393,014
Feb-16	598,972,959	110,487,453	52,784,424	347,559,386	104,078,877	1,213,883,099

Mar-16	507,986,423	93,828,657	45,345,926	306,067,753	97,243,308	1,050,472,000
Apr-16	292,800,629	56,319,760	27,655,029	200,248,629	60,136,934	637,160,980
May-16	159,009,231	22,375,825	11,899,050	90,166,082	30,378,019	313,828,208
Jun-16	85,897,280	15,957,528	6,347,118	70,210,788	16,301,903	194,714,617
Jul-16	94,196,464	14,244,548	6,413,292	49,903,878	11,644,238	176,402,419
Aug-16	84,156,018	10,169,149	6,694,549	50,203,400	12,557,256	163,780,373
Sep-16	85,655,640	19,077,300	6,180,049	51,130,437	14,293,676	176,337,102
Oct-16	194,211,905	36,559,401	14,202,250	97,830,703	37,426,948	380,231,208
Nov-16	382,781,469	71,962,156	32,416,307	233,981,457	78,374,520	799,515,910
Dec-16	561,790,878	106,866,398	46,879,504	315,790,533	106,741,453	1,138,068,766
Jan-17	679,315,122	129,191,755	58,922,657	412,840,443	134,668,161	1,414,938,138
Feb-17	603,245,704	112,049,546	53,588,318	359,632,435	110,072,590	1,238,588,592
Mar-17	505,342,467	91,941,735	43,730,677	310,506,621	93,718,827	1,045,240,328
Apr-17	342,433,519	61,197,482	30,813,372	210,630,321	69,417,502	714,492,195
May-17	172,294,365	27,668,946	13,811,310	91,501,059	31,665,522	336,941,202
Jun-17	95,090,580	18,631,873	7,783,916	64,327,996	18,900,214	204,734,579
Jul-17	76,873,050	13,754,783	4,958,220	58,567,456	14,119,196	168,272,705
Aug-17	86,692,208	14,613,367	7,117,034	53,181,770	9,878,943	171,483,322
Sep-17	102,192,930	17,275,371	7,713,321	60,831,508	16,401,578	204,414,707
Oct-17	206,542,134	38,925,109	15,245,025	108,169,608	38,790,332	407,672,208
Nov-17	394,822,335	74,839,010	33,731,343	232,076,364	78,748,433	814,217,485
Dec-17	555,039,798	107,443,500	46,623,531	325,319,552	105,165,834	1,139,592,215
Jan-18	668,140,891	130,595,838	57,485,010	411,711,608	134,087,716	1,402,021,063
Feb-18	618,896,137	117,318,678	53,895,680	362,409,686	113,337,798	1,265,857,978
Mar-18	510,978,012	97,414,739	44,949,189	301,762,141	97,971,637	1,053,075,718
Apr-18	329,297,688	60,279,155	30,647,435	196,411,912	60,118,600	676,754,790
May-18	170,112,175	25,918,270	15,144,378	110,016,436	34,017,142	355,208,401
Jun-18	126,540,400	21,960,379	9,946,038	63,081,704	16,916,806	238,445,327
Jul-18	63,718,734	10,685,933	4,614,986	56,071,467	11,315,361	146,406,482
Aug-18	61,804,053	11,538,064	5,256,210	55,601,777	11,574,407	145,774,512
Sep-18	116,272,304	17,827,575	8,566,373	53,031,702	14,302,701	210,000,655
Oct-18	202,347,445	37,900,676	14,984,304	103,619,883	40,527,709	399,380,017
Nov-18	384,795,507	75,649,188	33,348,794	250,812,756	84,132,335	828,738,580
Dec-18	574,060,659	110,442,535	48,303,822	347,938,044	110,224,540	1,190,969,601
Jan-19	669,371,526	129,352,005	57,848,018	402,125,818	131,326,881	1,390,024,248
Feb-19	606,113,804	113,618,649	53,935,207	372,171,959	113,473,803	1,259,313,422
Mar-19	519,122,358	97,248,957	46,407,238	310,035,212	96,672,029	1,069,485,794
Apr-19	339,126,256	62,591,847	31,710,311	206,286,694	64,958,084	704,673,192
May-19	160,104,873	26,134,798	12,887,725	114,006,677	33,275,112	346,409,185
Jun-19	115,735,947	20,696,773	9,665,858	76,340,591	22,044,185	244,483,355
Jul-19	110,765,576	17,999,656	8,516,623	59,758,568	13,506,837	210,547,260
Aug-19	90,989,899	11,272,586	4,232,780	52,704,887	11,623,644	170,823,796
Sep-19	89,902,887	18,749,118	9,706,039	59,527,318	16,649,083	194,534,444
Oct-19	214,982,010	41,826,512	17,325,784	121,162,726	39,713,942	435,010,975
Nov-19	362,280,185	74,005,066	31,773,378	244,768,165	82,261,499	795,088,294
Dec-19	568,003,937	113,136,537	47,272,564	359,191,491	112,932,173	1,200,536,701
Jan-20	688,377,026	133,528,883	60,587,617	406,502,818	132,672,336	1,421,668,681
Feb-20	615,431,068	116,238,153	55,357,082	363,636,674	115,255,124	1,265,918,102
Mar-20	523,739,361	99,380,195	47,149,206	313,758,512	99,335,978	1,083,363,252
Apr-20	336,054,672	62,420,965	31,401,960	204,273,220	64,545,174	698,695,991
May-20	159,058,652	22,913,688	12,813,679	103,675,000	31,633,884	330,094,903
Jun-20	97,501,095	18,505,823	7,714,413	71,345,145	19,501,094	214,567,569
Jul-20	119,798,125	19,765,031	9,094,575	54,493,993	9,349,058	212,500,782
Aug-20	97,524,950	16,760,984	7,553,182	57,885,684	14,047,026	193,771,827
Sep-20	85,168,166	14,507,148	5,334,923	74,151,635	21,292,420	200,454,291
Oct-20	226,980,949	42,950,974	16,482,651	126,463,023	44,957,214	457,834,811
Nov-20	406,504,692	79,333,376	35,978,067	279,283,652	89,045,395	890,145,182
Dec-20	575,955,392	114,338,525	49,678,901	339,234,242	112,914,654	1,192,121,714
Jan-21	675,464,272	133,961,605	59,894,639	405,289,155	131,079,903	1,405,689,575
Feb-21	606,351,992	116,643,887	53,968,206	350,386,956	109,018,399	1,236,369,441
Mar-21	514,805,906	99,204,198	46,685,565	310,691,092	98,304,516	1,069,691,278
Apr-21	334,893,042	63,596,947	31,092,193	205,475,675	67,252,807	702,310,664
May-21	136,091,356	22,749,964	11,339,780	100,097,953	33,637,953	303,917,007

Jun-21	115,301,948	19,736,044	10,112,401	79,966,967	20,974,193	246,091,552
Jul-21	112,740,496	19,121,822	8,499,878	62,810,727	11,819,619	214,992,541
Aug-21	94,530,004	16,466,805	7,564,758	62,760,258	14,621,496	195,943,321
Sep-21	92,290,223	15,466,885	7,569,103	65,297,862	17,168,360	197,792,433
Oct-21	195,610,768	41,460,774	15,029,535	111,619,992	42,516,034	406,237,103
Nov-21	414,993,266	79,309,030	36,088,673	236,383,819	76,352,294	843,127,082
Dec-21	581,531,528	113,500,893	49,876,970	360,069,884	113,709,712	1,218,688,987
Jan-22	709,667,087	142,675,506	61,170,966	432,231,904	139,526,304	1,485,271,767
Feb-22	621,124,352	122,542,362	54,587,642	378,097,142	115,898,590	1,292,250,089
Mar-22	531,804,017	104,742,503	47,129,991	318,685,493	99,650,714	1,102,012,718
Apr-22	328,651,435	62,451,062	30,350,732	207,339,080	66,146,449	694,938,758
May-22	153,358,600	23,645,878	12,555,300	93,728,638	30,435,318	313,723,734
Jun-22	82,959,949	13,205,755	6,008,561	58,948,017	13,223,432	174,345,713
Jul-22	82,981,056	13,212,628	6,010,632	58,958,274	13,220,462	174,383,052
Aug-22	83,006,982	13,221,117	6,013,176	58,966,965	13,225,372	174,433,612
Sep-22	83,078,893	14,476,596	6,020,225	59,021,382	14,963,915	177,561,010
Oct-22	200,825,695	39,410,682	14,969,780	113,733,871	39,658,596	408,598,623
Nov-22	412,282,669	81,797,972	35,505,558	252,296,970	82,753,118	864,636,287
Dec-22	588,899,444	119,623,660	49,878,115	359,204,198	115,332,228	1,232,937,645
Jan-23	716,326,081	144,613,600	61,771,587	436,667,585	140,668,120	1,500,046,973
Feb-23	626,847,361	124,174,592	55,107,322	381,983,453	116,721,697	1,304,834,424
Mar-23	535,047,245	106,338,130	47,482,331	321,356,122	100,211,130	1,110,434,957
Apr-23	330,035,760	63,250,024	30,495,084	208,872,716	66,451,510	699,105,094
May-23	153,138,718	23,714,588	12,479,211	94,102,157	30,468,142	313,902,817
Jun-23	82,096,187	13,078,277	5,851,439	58,966,441	13,125,219	173,117,563
Jul-23	82,117,090	13,085,064	5,853,432	58,976,705	13,122,255	173,154,546
Aug-23	82,142,821	13,093,388	5,855,913	58,985,418	13,127,130	173,204,671
Sep-23	82,214,109	14,371,608	5,862,764	59,039,782	14,878,680	176,366,944
Oct-23	201,035,881	39,771,386	14,922,476	114,309,870	39,761,087	409,800,700
Nov-23	414,427,246	82,950,182	35,711,976	254,285,871	83,183,288	870,558,564
Dec-23	591,099,399	120,829,220	50,082,715	361,217,259	115,647,913	1,238,876,507
Jan-24	721,151,603	146,857,244	62,287,496	440,437,400	141,493,447	1,512,227,190
Feb-24	630,877,504	126,045,984	55,543,167	385,209,728	117,374,504	1,315,050,886
Mar-24	538,261,169	107,884,766	47,826,192	323,980,044	100,745,107	1,118,697,279
Apr-24	331,427,528	64,015,561	30,635,025	210,379,524	66,742,182	703,199,820
May-24	152,958,223	23,764,123	12,403,002	94,469,288	30,499,502	314,094,139
Jun-24	81,284,531	12,935,458	5,695,745	58,984,533	13,031,626	171,931,892
Jul-24	81,305,297	12,942,087	5,697,695	58,994,805	13,028,704	171,968,587
Aug-24	81,330,751	12,950,277	5,700,115	59,003,541	13,033,549	172,018,233
Sep-24	81,401,469	14,250,775	5,706,772	59,057,916	14,797,463	175,214,395
Oct-24	201,277,252	40,107,090	14,874,503	114,875,896	39,858,781	410,993,522
Nov-24	416,564,880	84,061,867	35,912,382	256,240,279	83,593,124	876,372,532
Dec-24	594,808,090	122,621,216	50,455,080	364,231,680	116,291,324	1,248,407,391

MONTHLY	EGI Residential	EGI Residential	EGI Residential	ANNUAL	EGI Residential		
	Norm'ed Volumes	Customers	norm'ed AU		norm'ed AU		
	(a)	(b)	(c=a/b)				
Jan-06	1,345,936,437	2,750,334	489	2006	2,624		
Feb-06	1,078,937,783	2,756,041	391	2007	2,619		
Mar-06	1,005,919,849	2,762,403	364	2008	2,573		
Apr-06	581,921,031	2,767,489	210	2009	2,494		
May-06	274,508,316	2,769,615	99	2010	2,466		
Jun-06	201,118,832	2,768,938	73	2011	2,457		
Jul-06	180,026,403	2,772,090	65	2012	2,416		
Aug-06	164,089,250	2,773,545	59	2013	2,400		
Sep-06	161,140,319	2,779,156	58	2014	2,398		
Oct-06	413,762,868	2,785,636	149	2015	2,337		
Nov-06	820,289,965	2,796,396	293	2016	2,313		
Dec-06	1,047,507,284	2,805,626	373	2017	2,359		
Jan-07	1,348,748,178	2,812,162	480	2018	2,341		
Feb-07	1,095,250,109	2,818,256	389	2019	2,344		
Mar-07	1,054,593,425	2,823,457	374	2020	2,357		
Apr-07	614,557,266	2,827,636	217	2021	2,297	-12.6%	since 2006
May-07	307,300,058	2,830,890	109	2022F	2,287		
Jun-07	201,223,042	2,828,806	71	2023F	2,277		
Jul-07	187,142,300	2,830,280	66	2024F	2,267		
Aug-07	172,872,285	2,832,959	61				
Sep-07	168,459,218	2,838,120	59				
Oct-07	402,819,503	2,843,845	142				
Nov-07	792,819,329	2,854,307	278				
Dec-07	1,071,442,300	2,864,663	374				
Jan-08	1,394,058,392	2,870,175	486				
Feb-08	1,192,852,946	2,875,744	415				
Mar-08	935,290,665	2,880,397	325				
Apr-08	594,356,738	2,884,458	206				
May-08	282,213,302	2,889,931	98				
Jun-08	191,767,868	2,888,481	66				
Jul-08	195,471,450	2,888,351	68				
Aug-08	172,121,497	2,891,323	60				
Sep-08	162,435,454	2,895,090	56				
Oct-08	394,624,104	2,900,422	136				
Nov-08	814,606,491	2,910,201	280				
Dec-08	1,104,019,929	2,919,510	378				
Jan-09	1,365,801,203	2,925,812	467				
Feb-09	1,108,712,637	2,930,245	378				
Mar-09	981,972,383	2,933,811	335				
Apr-09	626,637,222	2,937,289	213				
May-09	282,364,223	2,939,009	96				
Jun-09	205,620,616	2,938,242	70				
Jul-09	196,153,772	2,938,041	67				
Aug-09	184,417,791	2,937,935	63				
Sep-09	179,965,548	2,944,205	61				
Oct-09	388,313,025	2,954,877	131				
Nov-09	748,647,074	2,960,924	253				
Dec-09	1,067,216,741	2,968,296	360				
Jan-10	1,331,386,640	2,974,009	448				
Feb-10	1,184,526,335	2,976,971	398				
Mar-10	1,009,893,714	2,983,445	338				
Apr-10	655,674,268	2,988,422	219				
May-10	281,517,578	2,983,774	94				
Jun-10	203,974,534	2,984,478	68				
Jul-10	147,997,021	2,988,796	50				
Aug-10	130,202,942	2,988,257	44				
Sep-10	203,040,922	2,992,199	68				
Oct-10	364,764,947	2,994,871	122				
Nov-10	742,567,232	3,005,789	247				
Dec-10	1,115,522,203	3,016,229	370				
Jan-11	1,310,584,367	3,018,219	434				
Feb-11	1,152,653,816	3,022,537	381				
Mar-11	1,007,875,084	3,027,908	333				
Apr-11	626,325,611	3,028,660	207				
May-11	378,490,088	3,033,438	125				
Jun-11	184,509,948	3,030,492	61				
Jul-11	170,663,695	3,029,053	56				
Aug-11	135,034,444	3,031,737	45				
Sep-11	188,137,413	3,038,812	62				
Oct-11	383,104,380	3,045,134	126				
Nov-11	793,162,730	3,055,186	260				
Dec-11	1,127,801,653	3,064,856	368				
Jan-12	1,350,398,345	3,070,191	440				
Feb-12	1,209,547,757	3,073,278	394				
Mar-12	1,038,332,730	3,076,967	337				
Apr-12	631,718,890	3,080,425	205				
May-12	271,851,453	3,082,892	88				
Jun-12	198,126,488	3,080,865	64				
Jul-12	153,558,909	3,082,416	50				
Aug-12	140,483,077	3,081,510	46				

Sep-12	196,412,825	3,087,792	64
Oct-12	337,922,502	3,098,636	109
Nov-12	819,801,148	3,108,921	264
Dec-12	1,107,931,922	3,116,834	355
Jan-13	1,364,005,084	3,120,513	437
Feb-13	1,202,695,220	3,124,850	385
Mar-13	997,180,274	3,128,346	319
Apr-13	672,697,701	3,131,658	215
May-13	299,493,708	3,135,613	96
Jun-13	199,831,454	3,133,175	64
Jul-13	159,003,305	3,134,234	51
Aug-13	148,676,184	3,136,780	47
Sep-13	212,417,233	3,140,916	68
Oct-13	377,042,556	3,148,136	120
Nov-13	766,878,661	3,158,642	243
Dec-13	1,130,682,945	3,167,630	357
Jan-14	1,340,360,589	3,170,864	423
Feb-14	1,184,930,438	3,174,492	373
Mar-14	991,082,926	3,177,723	312
Apr-14	697,748,820	3,180,670	219
May-14	352,993,370	3,184,516	111
Jun-14	159,419,227	3,182,578	50
Jul-14	191,809,130	3,184,741	60
Aug-14	174,579,286	3,187,945	55
Sep-14	190,517,162	3,193,355	60
Oct-14	395,506,308	3,201,963	124
Nov-14	791,430,730	3,209,887	247
Dec-14	1,173,576,769	3,218,259	365
Jan-15	1,340,596,409	3,221,405	416
Feb-15	1,173,698,643	3,225,023	364
Mar-15	984,329,491	3,227,657	305
Apr-15	681,455,723	3,230,912	211
May-15	301,014,923	3,233,042	93
Jun-15	197,805,105	3,230,755	61
Jul-15	167,996,293	3,234,151	52
Aug-15	182,398,734	3,235,585	56
Sep-15	180,753,600	3,239,009	56
Oct-15	392,642,218	3,247,283	121
Nov-15	802,495,199	3,256,450	246
Dec-15	1,158,451,595	3,264,550	355
Jan-16	1,351,393,014	3,268,581	413
Feb-16	1,213,883,099	3,272,291	371
Mar-16	1,050,472,068	3,275,269	321
Apr-16	637,160,980	3,278,259	194
May-16	313,828,208	3,280,491	96
Jun-16	194,714,617	3,280,398	59
Jul-16	176,402,419	3,282,451	54
Aug-16	163,780,373	3,284,226	50
Sep-16	176,337,102	3,288,622	54
Oct-16	380,231,208	3,294,538	115
Nov-16	799,515,910	3,305,376	242
Dec-16	1,138,068,766	3,312,757	344
Jan-17	1,414,938,138	3,315,927	427
Feb-17	1,238,588,592	3,319,790	373
Mar-17	1,045,240,328	3,323,927	314
Apr-17	714,492,195	3,325,005	215
May-17	336,941,202	3,331,186	101
Jun-17	204,734,579	3,330,442	61
Jul-17	168,272,705	3,333,197	50
Aug-17	171,483,322	3,335,785	51
Sep-17	204,414,707	3,340,837	61
Oct-17	407,672,208	3,344,890	122
Nov-17	814,217,485	3,353,964	243
Dec-17	1,139,592,215	3,359,586	339
Jan-18	1,402,021,063	3,364,623	417
Feb-18	1,265,857,978	3,366,512	376
Mar-18	1,053,075,718	3,370,319	312
Apr-18	676,754,790	3,373,220	201
May-18	355,208,401	3,377,622	105
Jun-18	238,445,327	3,377,103	71
Jul-18	146,406,482	3,379,837	43
Aug-18	145,774,512	3,382,293	43
Sep-18	210,000,655	3,386,422	62
Oct-18	399,380,017	3,393,015	118
Nov-18	828,738,580	3,400,558	244
Dec-18	1,190,969,601	3,405,874	350
Jan-19	1,390,024,248	3,408,672	408
Feb-19	1,259,313,422	3,410,873	369
Mar-19	1,069,485,794	3,413,675	313
Apr-19	704,673,192	3,415,186	206
May-19	346,409,185	3,418,805	101
Jun-19	244,483,355	3,418,990	72
Jul-19	210,547,260	3,419,951	62
Aug-19	170,823,796	3,422,945	50

Sep-19	194,534,444	3,426,060	57
Oct-19	435,010,975	3,431,221	127
Nov-19	795,088,294	3,441,271	231
Dec-19	1,200,536,701	3,444,161	349
Jan-20	1,421,668,681	3,448,624	412
Feb-20	1,265,918,102	3,452,109	367
Mar-20	1,083,363,252	3,453,420	314
Apr-20	698,695,991	3,454,976	202
May-20	330,094,903	3,458,029	95
Jun-20	214,567,569	3,457,731	62
Jul-20	212,500,782	3,461,235	61
Aug-20	193,771,827	3,464,621	56
Sep-20	200,454,291	3,467,912	58
Oct-20	457,834,811	3,473,898	132
Nov-20	890,145,182	3,481,233	256
Dec-20	1,192,121,714	3,486,924	342
Jan-21	1,405,689,575	3,488,875	403
Feb-21	1,236,369,441	3,493,246	354
Mar-21	1,069,691,278	3,494,584	306
Apr-21	702,310,664	3,499,096	201
May-21	303,917,007	3,501,125	87
Jun-21	246,091,552	3,501,484	70
Jul-21	214,992,541	3,502,236	61
Aug-21	195,943,321	3,499,507	56
Sep-21	197,792,433	3,502,267	56
Oct-21	406,237,103	3,503,704	116
Nov-21	843,127,082	3,510,280	240
Dec-21	1,218,688,987	3,516,167	347
Jan-22	1,485,271,767	3,522,131	422
Feb-22	1,292,250,089	3,524,377	367
Mar-22	1,102,012,718	3,532,682	312
Apr-22	694,938,758	3,534,088	197
May-22	313,723,734	3,534,897	89
Jun-22	174,345,713	3,534,545	49
Jul-22	174,383,052	3,535,307	49
Aug-22	174,433,612	3,536,388	49
Sep-22	177,561,010	3,540,003	50
Oct-22	408,598,623	3,547,703	115
Nov-22	864,636,287	3,556,516	243
Dec-22	1,232,937,645	3,572,124	345
Jan-23	1,500,046,973	3,564,421	421
Feb-23	1,304,834,424	3,566,997	366
Mar-23	1,110,434,957	3,569,655	311
Apr-23	699,105,094	3,571,075	196
May-23	313,902,817	3,571,891	88
Jun-23	173,117,563	3,571,537	48
Jul-23	173,154,546	3,572,307	48
Aug-23	173,204,671	3,573,400	48
Sep-23	176,366,944	3,577,051	49
Oct-23	409,800,700	3,584,833	114
Nov-23	870,558,564	3,593,737	242
Dec-23	1,238,876,507	3,598,345	344
Jan-24	1,512,227,190	3,600,567	420
Feb-24	1,315,050,886	3,603,169	365
Mar-24	1,118,697,279	3,605,855	310
Apr-24	703,199,820	3,607,290	195
May-24	314,094,139	3,608,116	87
Jun-24	171,931,892	3,607,757	48
Jul-24	171,968,587	3,608,536	48
Aug-24	172,018,233	3,609,640	48
Sep-24	175,214,395	3,613,327	48
Oct-24	410,993,522	3,621,189	113
Nov-24	876,372,532	3,630,181	241
Dec-24	1,248,407,391	3,634,832	343

Figure 1: Enbridge Gas: Residential Average Use (Proposed)

(Weather Normalized at 2024 Proposed HDDs)

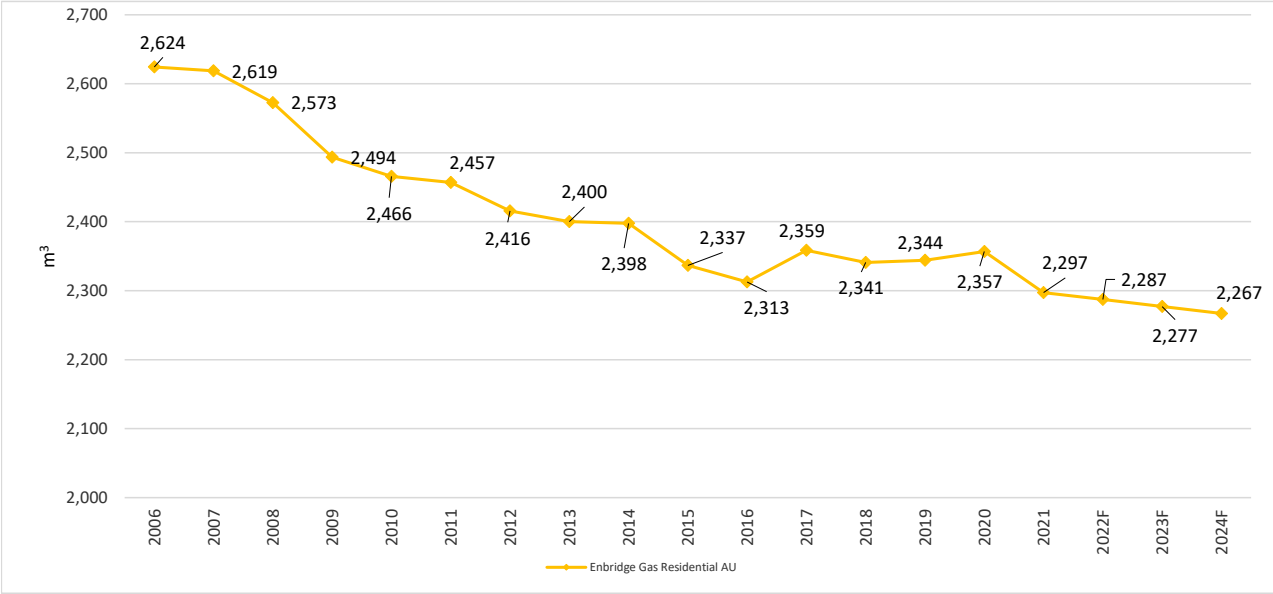
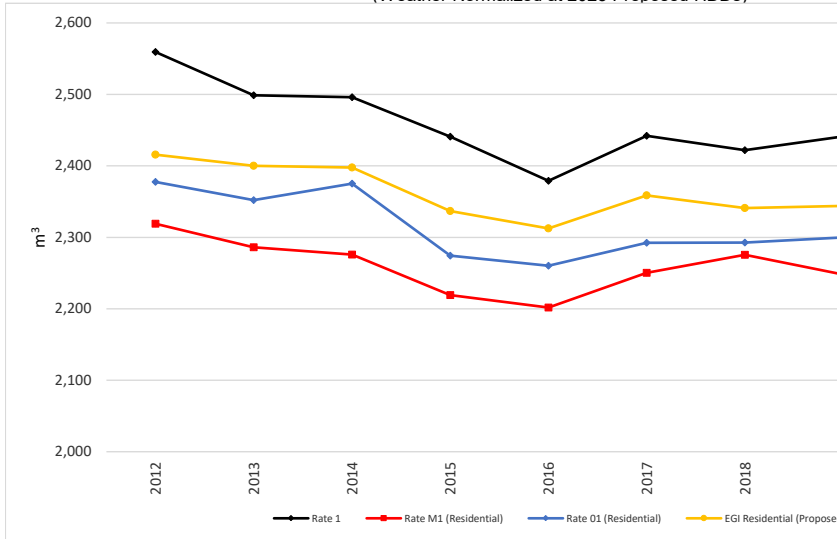
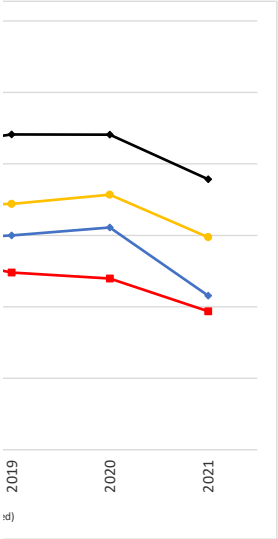


Figure 2: Enbridge Gas: Residential Average Use (based on EB-2022-01:
(Weather Normalized at 2023 Proposed HDDs)



33)

Normalized Average use as filed in EB-2022-0133 (1)



	Rate 1	Rate M1 (Residential)	Rate O1 (Residential)	EGI Residential (Proposed)
2012	2,559	2,319	2,378	2,416
2013	2,499	2,286	2,352	2,400
2014	2,496	2,276	2,375	2,398
2015	2,441	2,219	2,274	2,337
2016	2,379	2,202	2,260	2,313
2017	2,442	2,250	2,292	2,359
2018	2,422	2,275	2,293	2,341
2019	2,441	2,248	2,300	2,344
2020	2,441	2,240	2,311	2,357
2021	2,378	2,194	2,216	2,297

Notes:
 (1) The data is not available for pre-2012

Figure 3: Central Weather Zone Normalized Residential Average Use (Actual and Forecast)

(Weather Normalized at 2024 Proposed HDDs)

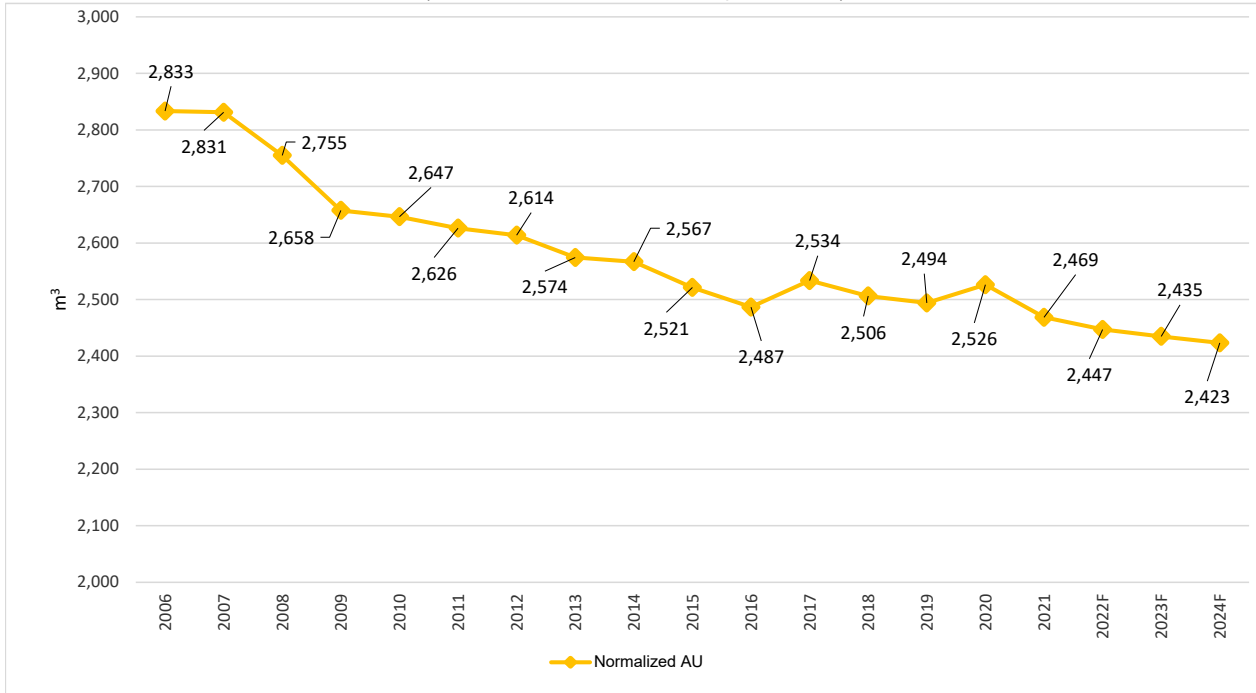


Figure 4: East Weather Zone Normalized Residential Average Use (Actual and Forecast)

(Weather Normalized at 2024 Proposed HDDs)

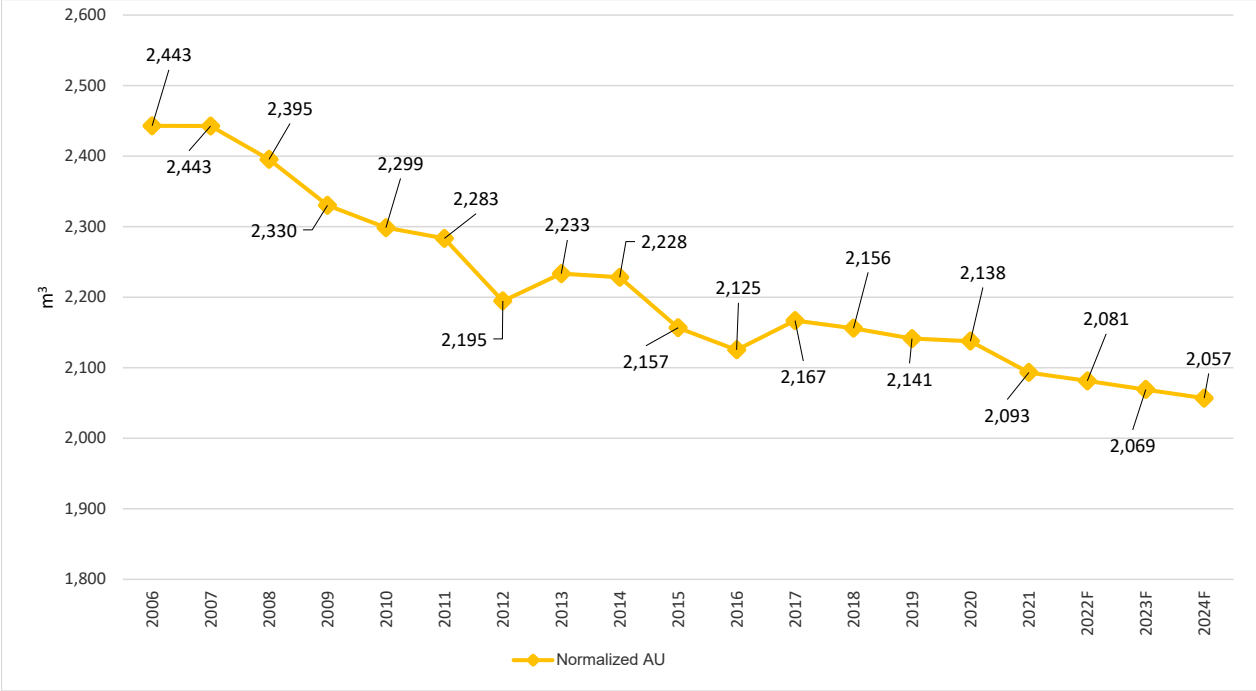


Figure 5: West Weather Zone Normalized Residential Average Use (Actual and Forecast)

(Weather Normalized at 2024 Proposed HDDs)

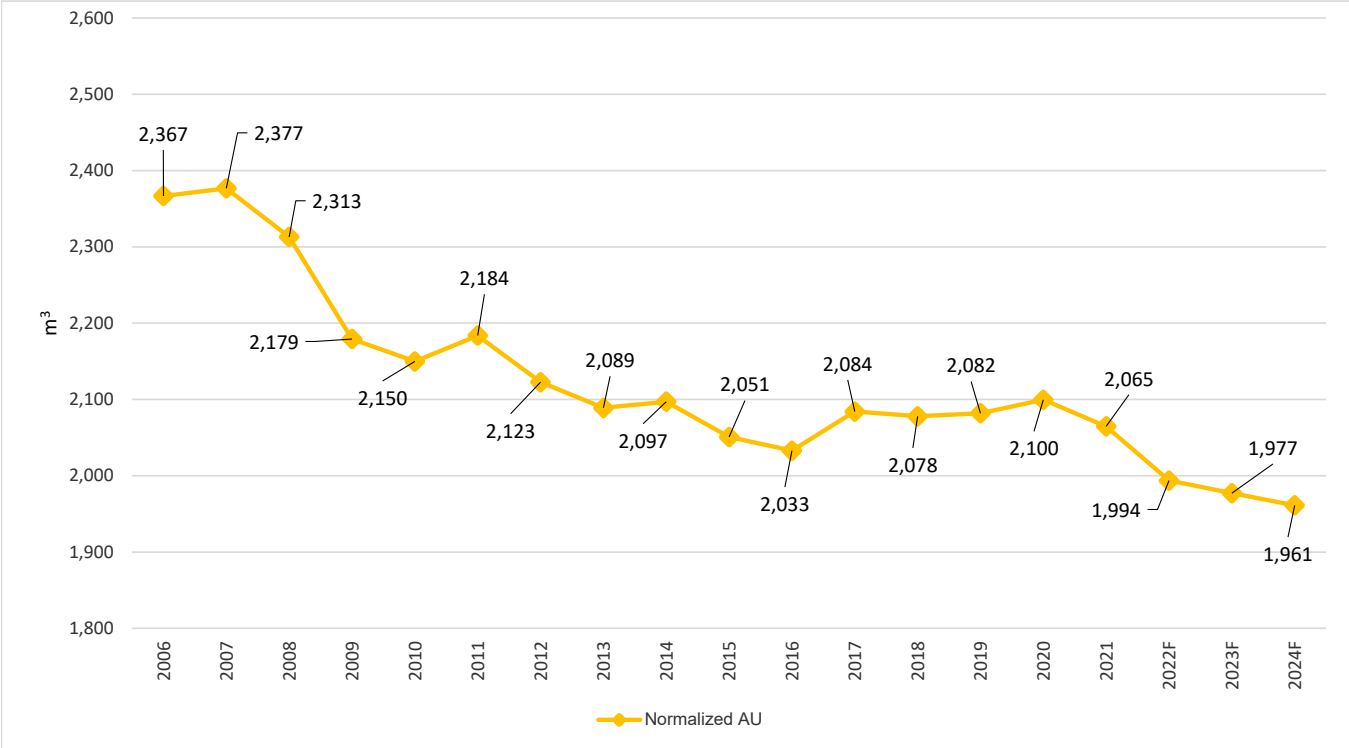


Figure 6: South Weather Zone Normalized Residential Average Use (Actual and Forecast)

(Weather Normalized at 2024 Proposed HDDs)

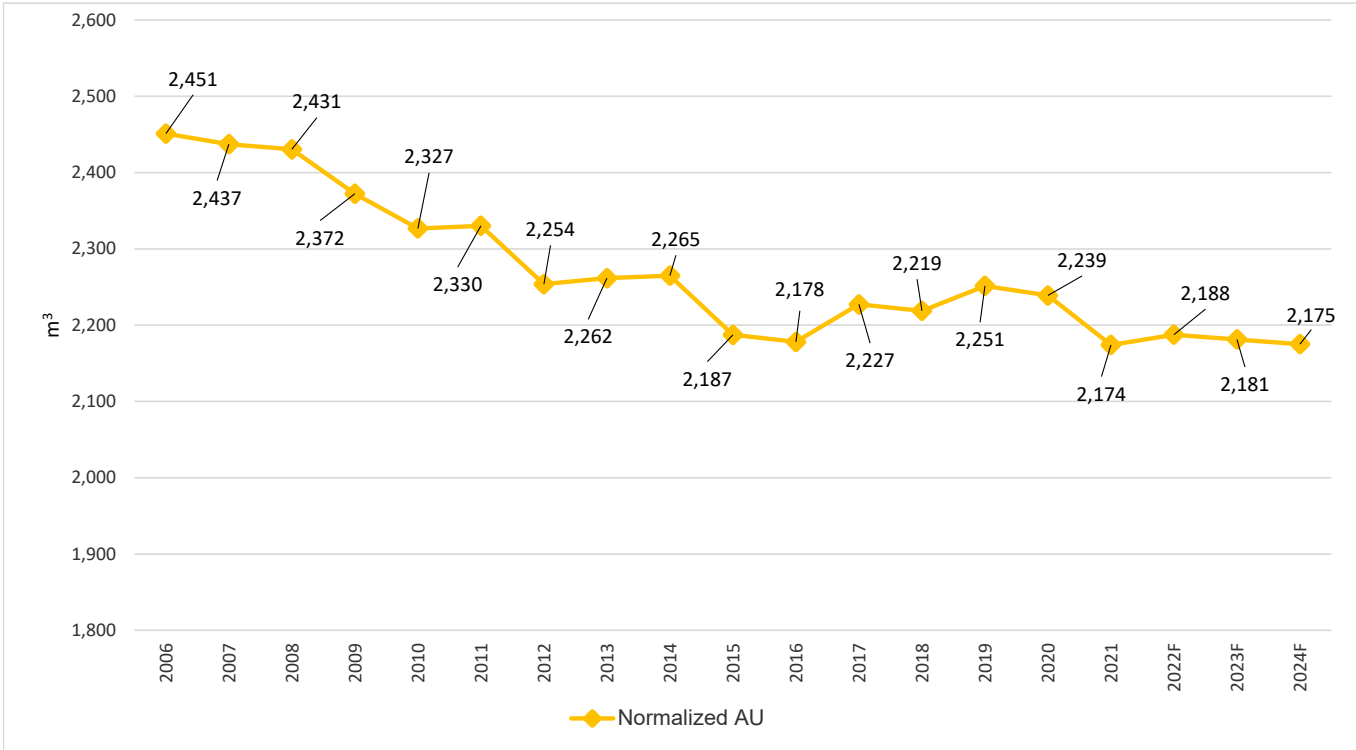
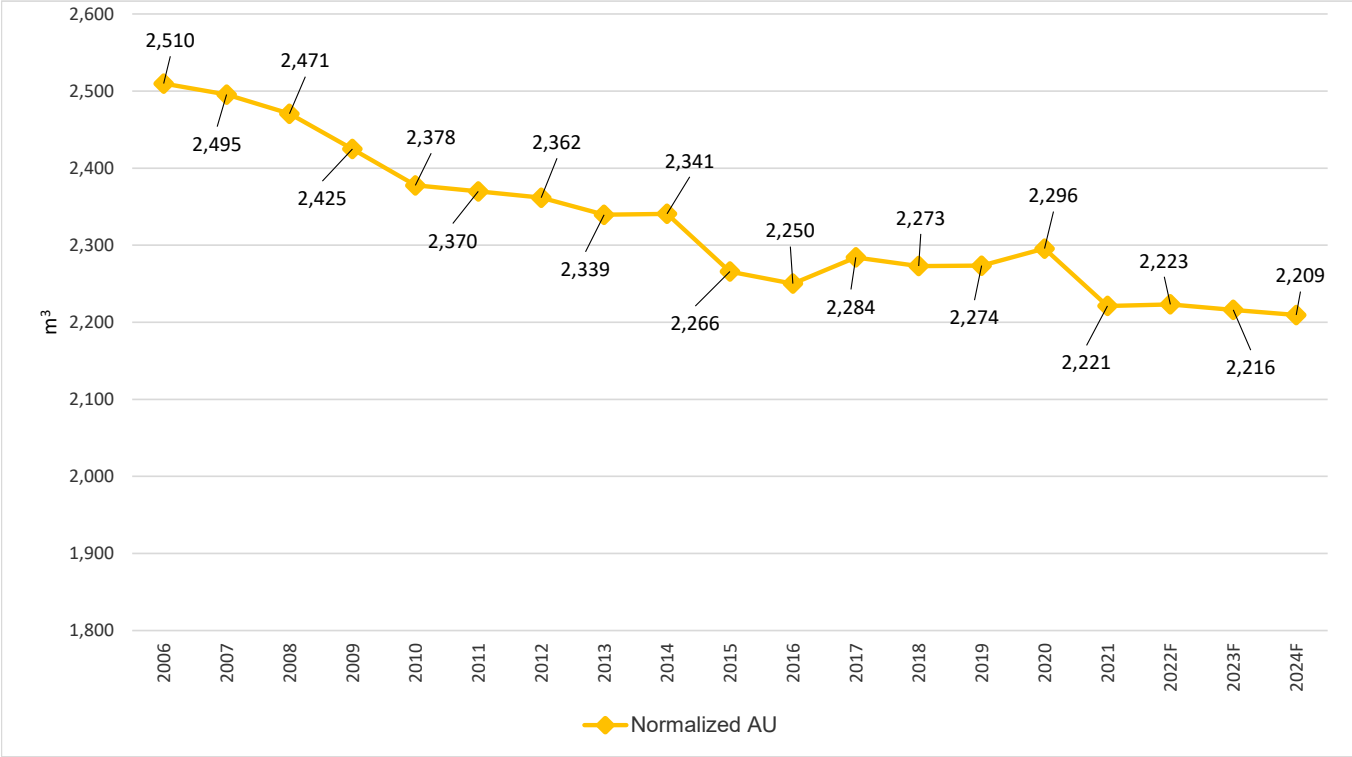


Figure 7: North Weather Zone Normalized Residential Average Use (Actual and Forecast)

(Weather Normalized at 2024 Proposed HDDs)



ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, plus Attachments, Pages 14 and 15, Figure 2

Preamble:

Energy Probe wishes to understand relation of historic Rate 1 to current Central Weather zone residential forecasts.

Question(s):

- a) Please provide the average 2024 degree-day forecast for Central Weather zone.
- b) How does this compare to historic forecast?
- c) Please confirm the chart shows Central Rate 1 average use data and forecast with new model.
- d) Please graph legacy Central weather zone data on same chart.

Response:

The reference to 'the average 2024 degree-day forecast' in part a) is not clear. Based on the reference provided, Enbridge Gas has interpreted parts a) to d) of this interrogatory to be referring to average use.

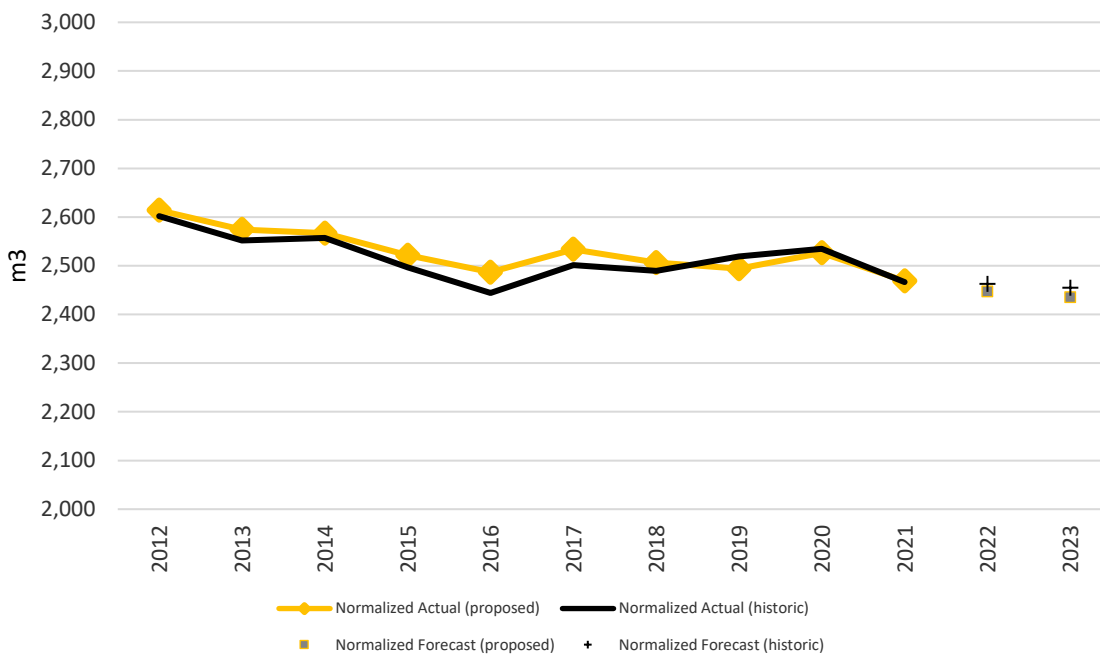
- a) The 2024 Test Year average use forecast for Central weather zone residential customers is 2,423 m³.
- b) Enbridge Gas's historic residential average use forecast consists of eight weather zones: Metro, Western, Central, Northern, Eastern, Niagara, Union South and Union North. However, Company's proposed methodology consists of five weather zones: Central (a combination of historic Metro, Western, Central and Northern), East (historic Eastern), West (historic Niagara), South (historic Union South) and North (historic Union North). For this reason, historic Central residential average use is only available at the sub-region level (Metro, Western, Central, Northern).

To be responsive to the question posed, this response is provided on a best-efforts basis, meaning the numbers provided below are a best estimate.

Based on the forecast filed in Enbridge Gas’s 2023 Rates proceeding¹, the 2023 average use forecast for Central weather zone residential customers was approximately 2,455 m³. Based on the proposed methodology used in this Application, the 2023 average use forecast for Central weather zone residential customers is 2,435 m³. Please note that the 2023 forecast filed in Enbridge Gas’s 2023 Rates was normalized based on 2023 Budget degree days, while 2023 forecast filed in this Application is normalized based on 2024 proposed degree days.

- c) Confirmed.
- d) Figure 1 shows the normalized historical (2012 to 2021) actual and forecast (2022 to 2023) average use for the Central weather zone residential sector. The data in Figure 1 was determined using the existing OEB-approved methodology for the Central weather zone and the proposed methodology used in this Application.

Figure 1: Central weather zone Residential Normalized Average use (Proposed vs Historic)



¹ EB-2022-0133.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, plus Attachments Pages 14 and 15 Figures 3,4

Preamble:

Energy Probe wishes to understand relation of historic Rate M1 to current East Weather zone residential forecasts.

Question(s):

- a) What is the 2024 average degree day forecast for East Weather zone?
- b) How does this compare to historic forecast?
- c) Please confirm that:
 - i. the chart shows Eastern Rate 1 average use data and forecast with new model, and
 - ii. please graph legacy West weather zone data on same chart.

Response:

The reference to 'the average 2024 degree-day forecast' in part a) is not clear. Based on the reference provided, Enbridge Gas has interpreted parts a) to c) of this interrogatory to be referring to average use.

- a) The 2024 Test year average use forecast for East weather zone residential customers is 2,057 m³.
- b) Based on the forecast filed in Enbridge Gas's 2023 Rates proceeding¹, the 2023 average use forecast for East weather zone residential customers was 2,068 m³. Based on the proposed methodology used in this Application, the 2023 average use forecast for East weather zone residential customers is 2,069 m³. Please note that the 2023 forecast filed in Enbridge Gas's 2023 Rates was normalized based on

¹ EB-2022-0133.

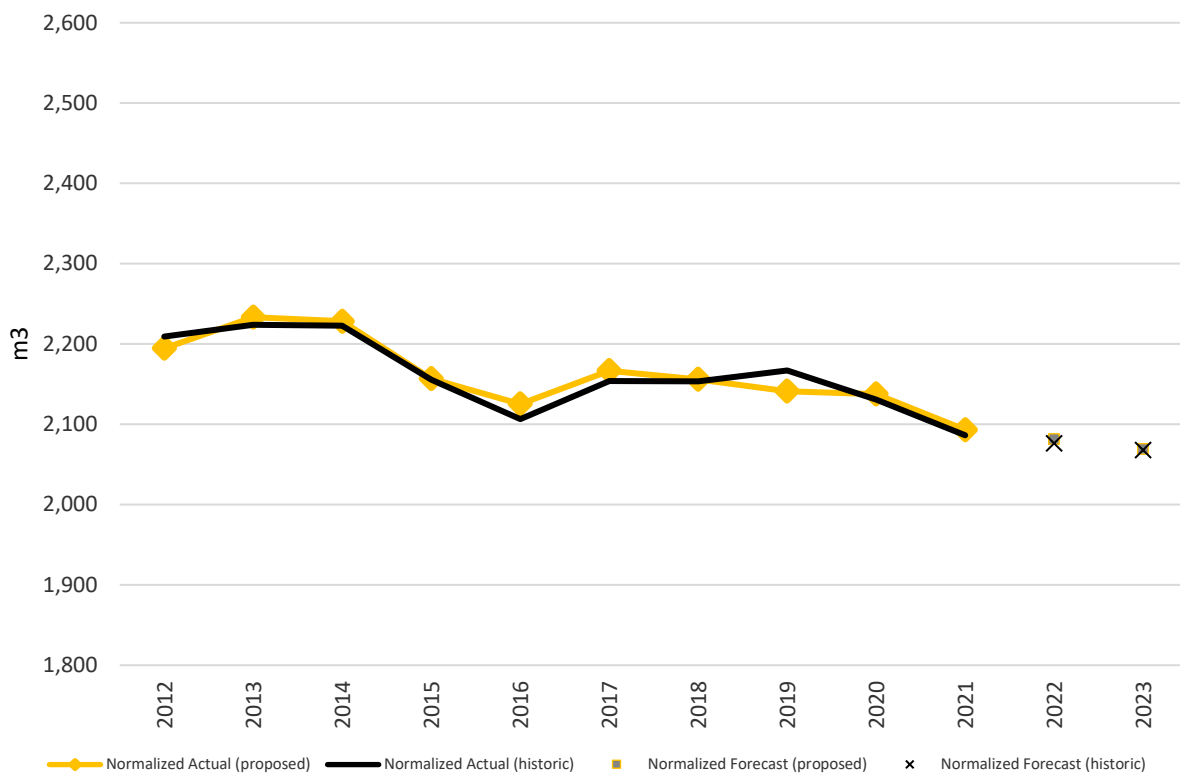
2023 Budget degree days, while the 2023 forecast filed in this Application is normalized based on 2024 proposed degree days.

c)

i. Confirmed.

ii. Figure 1 shows the normalized historical (2012 to 2021) actual and forecast (2022 to 2023) average use for East weather zone residential sector which were determined by using OEB-approved methodology and the proposed methodology used in this Application.

Figure 1: East weather zone Residential Normalized Average use (Proposed vs Historic)



ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2 Schedule 5, Plus Attachments, Pages 14 and 15, Figure 4

Preamble:

Energy Probe wishes to understand relation of historic Rate M1 to current West Weather zone residential forecasts.

Question(s):

- a) What is the average 2024 degree-day forecast for West Weather zone?
- b) Is this the same as historic EGD Niagara zone?
- c) Please confirm that:
 - i. the chart shows West/Niagara Rate 1 average use data and forecast with new model, and
 - ii. please graph legacy West/Niagara weather zone data on same chart.

Response:

The reference to 'the average 2024 degree-day forecast' in part a) is not clear. Based on the reference provided, Enbridge Gas has interpreted parts a) to c) of this interrogatory to be referring to average use.

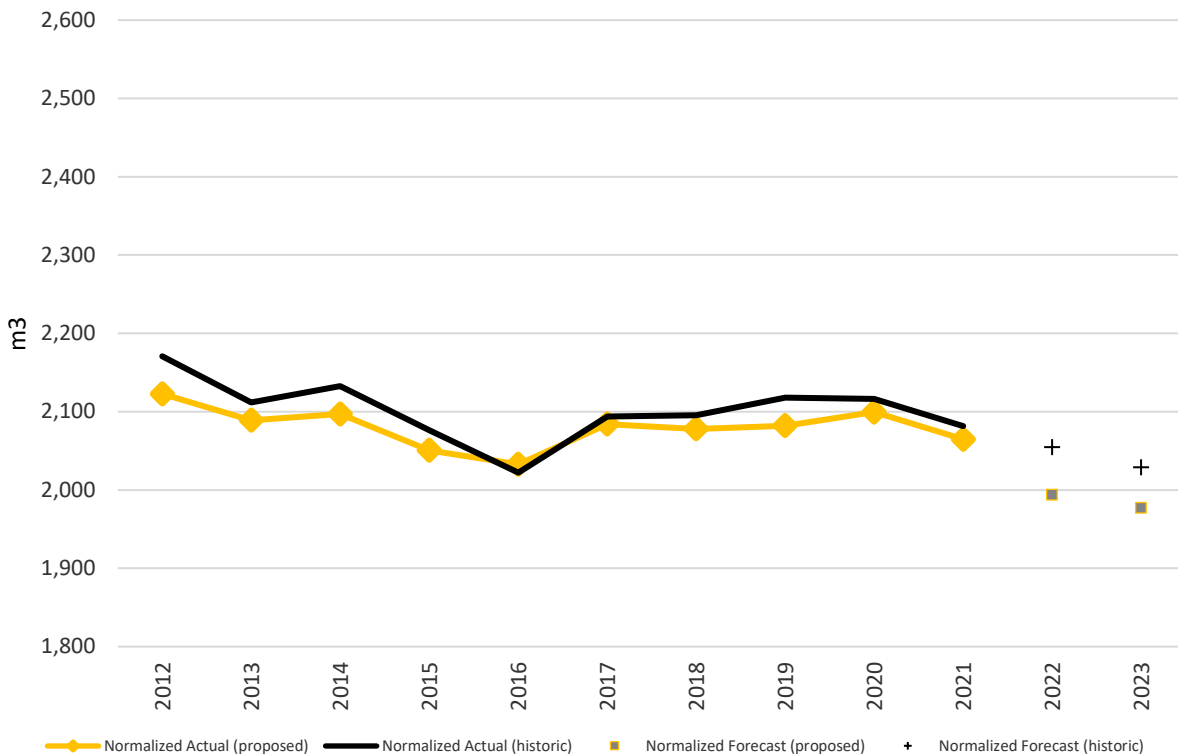
- a) The 2024 Test Year average use forecast for West weather zone residential customers is 1,961 m³.
- b) Yes. The West weather zone is the same as the historic EGD Niagara weather zone. Based on historic/legacy forecast filed in Enbridge Gas's 2023 Rates proceeding¹, 2023 average use forecast for West weather zone residential customers was 2,029 m³. Based on the proposed methodology used in this Application, the 2023 average

¹ EB-2022-0133.

use forecast for West weather zone residential customers is 1.977 m³. Please note that 2023 forecast filed in Enbridge Gas's 2023 Rates was normalized based on 2023 Budget degree days, while 2023 forecast filed in this Application is normalized based on 2024 proposed degree days.

- c)
 - i. Confirmed.
 - ii. Figure 1 shows the normalized historical (2012 to 2021) actual and forecast (2022 to 2023) average use for the West weather zone residential sector. The data in Figure 1 was determined using the existing OEB-approved methodology for the West weather zone and the proposed methodology used in this Application.

Figure 1: West weather zone Residential Normalized Average use (Proposed vs Historic)



ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5 Plus Attachments, Pages 14 and 15, Figure 5

Preamble:

Energy Probe wishes to understand relation of historic Rate 01 and M1 to current residential forecasts.

Question(s):

- a) What is the average 2024 degree-day forecast for South Weather zone?
- b) Is this the same as historic Union South zone?
- c) Please confirm the chart for the Southern Weather Zone shows Rate M1 average use data and forecast with new model.
- d) Please show legacy data on the chart.

Response:

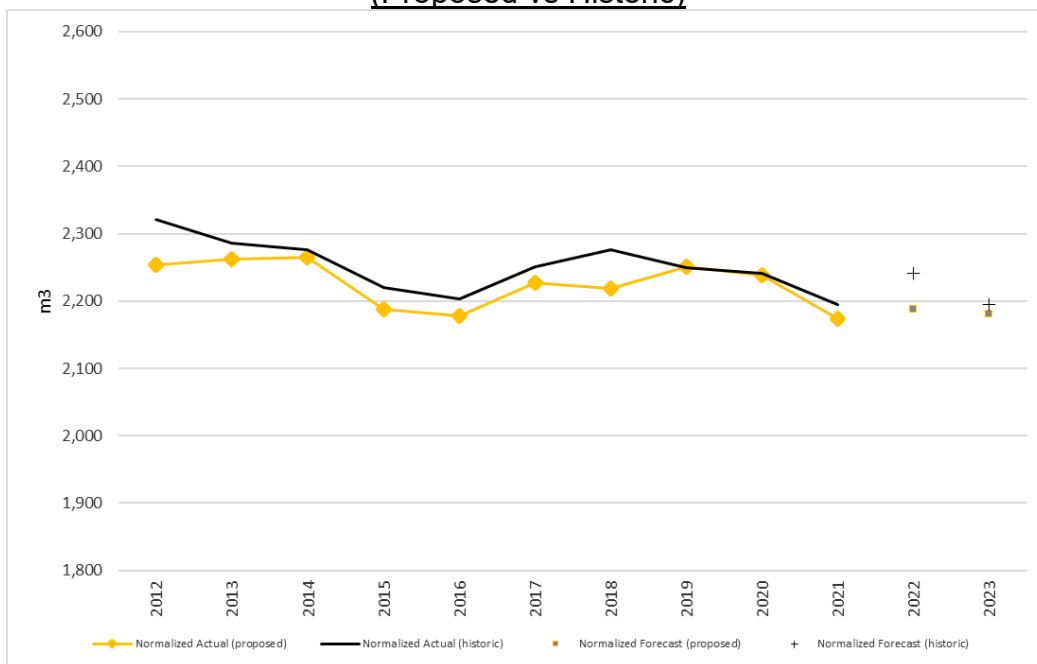
The reference to 'the average 2024 degree-day forecast' in part a) is not clear. Based on the reference provided, Enbridge Gas has interpreted parts a) to d) to be referring to average use.

- a) The 2024 Test Year average use forecast for South weather zone residential customers 2,209 m³.
- b) Yes. The South weather zone is the same as the Union South zone.
- c) Confirmed. The forecast shown in the chart is generated by using the proposed methodology provided at Exhibit 3, Tab 2, Schedule 5. However, the data presented in Figure 5 are a combination of Rate M1 residential and Rate M2 residential data

and exclude commercial and industrial customers. Commercial and industrial customers are captured in the non-residential average use average use models.

- d) Figure 1 shows the normalized historical (2012 to 2021) actual and forecast (2022 to 2023) average use for the South weather zone residential sector. The data in Figure 1 was determined by using the existing OEB-approved methodology for the South weather zone and the proposed methodology used in this Application.

Figure 1: South Weather Zone Residential Normalized Average Use (1)
(Proposed vs Historic)



/u

Note:

- (1) The data/forecast used in this chart for the proposed South Residential Average Use differs from the data/forecast used in Figure 5 at Exhibit 3, Tab 2, Schedule 5 due to the correction explained at Exhibit I.3.2-EP-45.

If the question is asking for the Rate M1 average use which is comparable with the Rate M1 average use chart provided in EB-2022-0133, Exhibit I.EP.1 Figure 1, page 8, please see Exhibit 3, Tab 2, Schedule 5, Attachment 7 for the Rate M1 average use data and forecast developed using the proposed methodology.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, Plus Attachments, Pages 14 and 15, Figure 6

Preamble:

Energy Probe wishes to understand relation of historic Rate M1 to current residential forecasts.

Question(s):

Please confirm that:

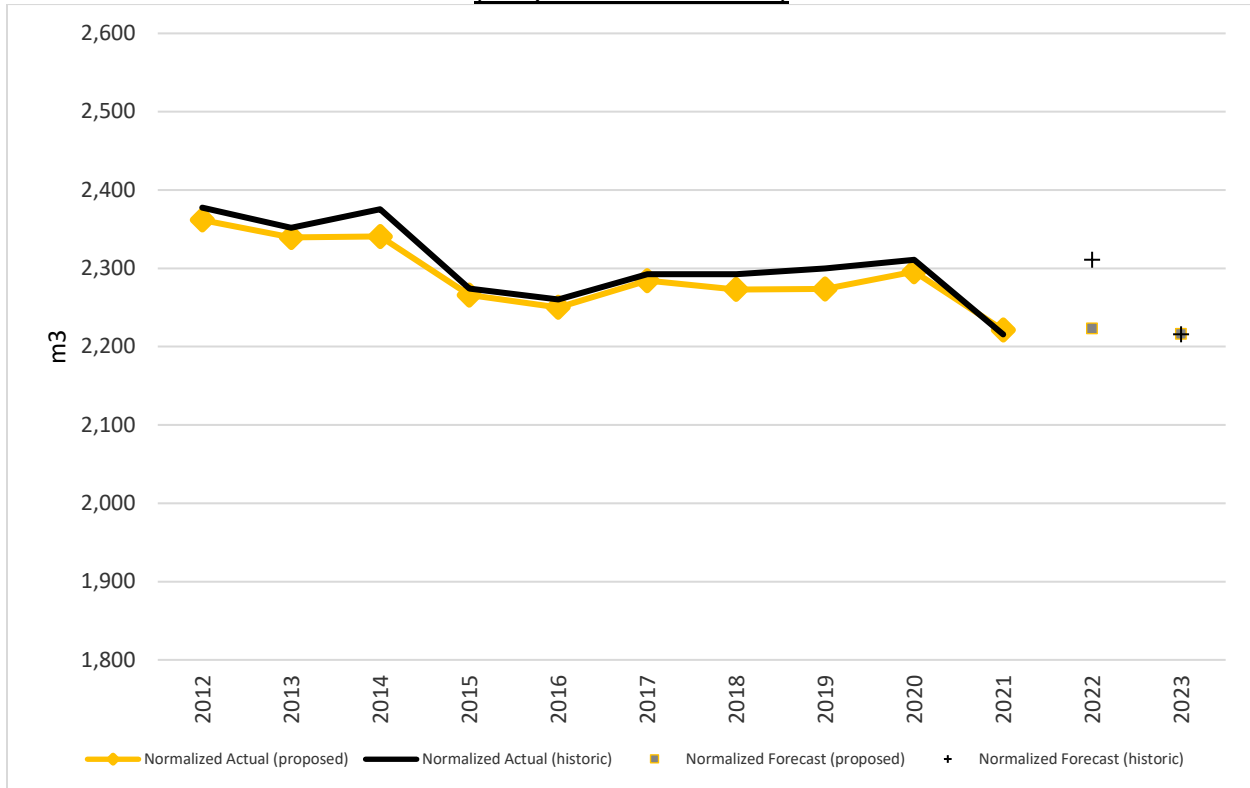
- a) the chart shows Northern Weather zone Rate 01 average use data and forecast with the new model, and
- b) please show legacy data on the chart.

Response:

The preamble states Rate M1 but part a) refers to Rate 01. Enbridge Gas has interpreted parts a) to b) to be referring to Rate 01.

- a) Not Confirmed. Rate 01 is comprised of residential and commercial customers. The chart shows normalized North weather zone Rate 01 residential average use data, and forecasts produced using the model proposed in this application. Commercial customers are captured in the non-residential average use models.
- b) Figure 1 shows the normalized historical (2012 to 2021) actual and forecast (2022 to 2023) average use for the North weather zone residential sector. The data in Figure 1 was determined by using the existing OEB-approved methodology for the North weather zone and the proposed methodology used in this Application.

**Figure 1: North Weather Zone Residential Normalized Average Use (1)
(Proposed vs Historic)**



Note:

(1) The data/forecast used in this chart for the proposed North residential average use differs from the data/forecast used in Figure 6 at Exhibit 3, Tab 2, Schedule 5 due to the correction explained at Exhibit I.3.2-EP-45.

If the question is asking for the Rate 01 average use which is comparable with the Rate 01 average use chart provided in EB-2022-0133, Exhibit I.EP.1 Figure 3, page 9, please see Exhibit 3, Tab 2, Schedule 5, Attachment 7 for the Rate 01 average use data and forecast developed using the proposed methodology.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5 Plus Attachment, Page 18, Figure 7

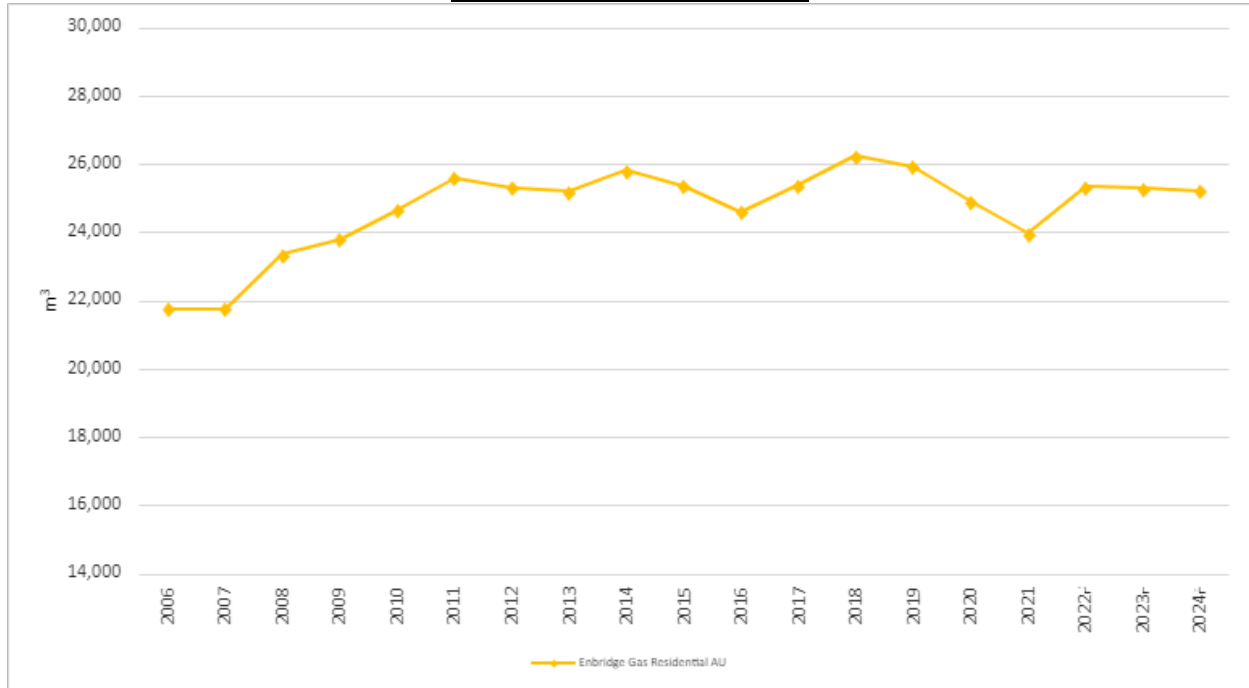
Question(s):

- a) Please clarify which rates and rate zones the chart (Figure 7) represents.
- b) Please provide the data sets and working papers for the chart.
- c) Why are there no Forecasts for 2022-2024? Please provide these.

Response:

- a) Figure 7 represents Enbridge Gas's non-residential average use which is a combination of the commercial and industrial customers from EGD rate zone Rate 6, and Union rate zone commercial and industrial customers from Rate M1, M2, Rate 01 and Rate 10.
- b-c) Enbridge Gas has updated the data used in Exhibit 3, Tab 2, Schedule 5, page 18, Figure 7. Please see the updated Figure 7. Please see Attachment 1 for the supporting working papers including the forecast for 2022 to 2024.

Figure 7: Enbridge Gas: Historical Non-Residential Average Use (Weather Normalized at 2024 Proposed HDDs)



Normalized Average Use

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)
1	Jan-06	4,757	3,784	3,272	3,440	3,476
2	Feb-06	3,055	3,184	2,463	3,198	3,141
3	Mar-06	3,458	2,898	2,318	2,692	2,714
4	Apr-06	1,583	1,868	2,366	1,891	1,757
5	May-06	915	732	342	829	916
6	Jun-06	652	579	529	502	524
7	Jul-06	532	423	180	544	565
8	Aug-06	495	415	367	551	518
9	Sep-06	538	837	497	644	532
10	Oct-06	1,273	1,231	992	1,274	1,464
11	Nov-06	2,542	2,041	2,008	2,426	2,273
12	Dec-06	3,104	3,176	2,457	3,127	3,007
13	Jan-07	4,106	3,529	3,086	3,431	3,472
14	Feb-07	3,332	3,329	2,525	3,086	3,043
15	Mar-07	3,490	3,036	2,732	2,875	2,830
16	Apr-07	1,924	2,063	1,702	1,906	1,777
17	May-07	1,065	841	914	950	943
18	Jun-07	631	565	534	519	535
19	Jul-07	545	451	360	533	527
20	Aug-07	569	428	420	539	517
21	Sep-07	563	433	490	613	552
22	Oct-07	1,141	988	939	1,287	1,340
23	Nov-07	2,561	2,123	2,005	2,112	1,895
24	Dec-07	3,457	2,912	2,573	2,840	2,812
25	Jan-08	4,701	3,876	3,383	3,332	3,468
26	Feb-08	4,001	3,517	3,019	3,280	3,032
27	Mar-08	3,191	2,915	2,561	3,129	2,619
28	Apr-08	2,562	2,266	2,132	1,829	1,871
29	May-08	827	822	783	908	832
30	Jun-08	941	620	696	425	634
31	Jul-08	547	485	460	539	579
32	Aug-08	608	461	507	537	521
33	Sep-08	679	434	538	631	534
34	Oct-08	1,397	1,268	965	1,253	1,210
35	Nov-08	2,802	2,468	2,060	2,203	2,043
36	Dec-08	3,891	3,548	2,774	2,962	2,811
37	Jan-09	4,797	4,097	3,323	3,196	3,620
38	Feb-09	4,478	4,306	3,350	2,951	2,876
39	Mar-09	3,769	3,603	2,783	2,643	2,610
40	Apr-09	2,609	2,338	2,056	1,829	1,738
41	May-09	1,307	1,005	1,072	903	843
42	Jun-09	963	708	1,178	398	453
43	Jul-09	749	545	618	529	587
44	Aug-09	687	623	683	540	542
45	Sep-09	762	646	778	562	539
46	Oct-09	1,200	1,075	944	1,122	1,101
47	Nov-09	2,424	2,350	1,868	2,523	2,207
48	Dec-09	3,312	3,179	2,761	3,363	2,814
49	Jan-10	4,236	4,178	2,906	3,155	3,354
50	Feb-10	5,005	4,510	3,634	3,079	2,917
51	Mar-10	4,808	4,367	2,773	2,646	2,593
52	Apr-10	3,323	2,615	2,712	1,846	1,671
53	May-10	1,365	1,166	1,244	687	862

Normalized Average Use (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)
54	Jun-10	845	741	648	527	569
55	Jul-10	628	604	495	491	528
56	Aug-10	543	576	387	537	476
57	Sep-10	879	827	759	566	581
58	Oct-10	1,239	1,043	987	1,372	1,200
59	Nov-10	2,333	2,386	1,883	2,241	2,126
60	Dec-10	3,826	3,763	2,959	2,649	2,788
61	Jan-11	4,462	4,210	3,342	3,308	3,402
62	Feb-11	4,989	4,597	3,687	3,057	2,761
63	Mar-11	4,456	4,133	3,508	2,742	2,688
64	Apr-11	2,761	2,182	2,275	1,827	1,749
65	May-11	1,954	1,470	1,346	991	981
66	Jun-11	971	796	1,026	576	581
67	Jul-11	721	600	568	516	515
68	Aug-11	604	550	558	493	494
69	Sep-11	892	749	632	573	659
70	Oct-11	1,334	1,239	1,148	1,324	1,062
71	Nov-11	2,782	2,570	2,352	2,660	2,251
72	Dec-11	4,028	3,592	3,094	3,054	2,935
73	Jan-12	4,930	4,283	3,872	3,177	3,430
74	Feb-12	4,864	4,289	3,647	3,169	3,069
75	Mar-12	4,622	4,275	3,874	2,831	2,625
76	Apr-12	2,574	2,146	2,194	1,707	1,720
77	May-12	1,758	1,318	1,409	775	917
78	Jun-12	816	590	711	606	580
79	Jul-12	614	439	528	460	526
80	Aug-12	628	420	440	510	485
81	Sep-12	982	710	839	539	557
82	Oct-12	1,352	938	1,103	1,330	1,238
83	Nov-12	2,816	2,508	2,247	2,477	2,220
84	Dec-12	4,061	3,305	3,106	2,753	2,929
85	Jan-13	4,811	4,388	3,779	3,242	3,328
86	Feb-13	4,812	4,089	3,627	3,130	3,074
87	Mar-13	4,053	3,842	3,254	2,652	2,623
88	Apr-13	3,105	2,480	2,535	1,850	1,739
89	May-13	1,640	1,178	1,446	848	976
98	Feb-14	4,909	4,238	3,786	3,109	2,903
99	Mar-14	4,186	3,313	3,400	2,605	2,494
100	Apr-14	3,281	2,649	2,605	1,912	1,935
101	May-14	1,849	1,404	1,515	946	1,077
102	Jun-14	838	626	734	618	600
103	Jul-14	745	625	678	531	548
104	Aug-14	723	550	617	579	578
105	Sep-14	866	675	809	648	586
106	Oct-14	1,401	1,282	1,144	1,294	1,255
107	Nov-14	2,559	2,365	2,202	2,451	2,273
108	Dec-14	4,253	3,816	3,237	3,152	2,977
109	Jan-15	4,544	4,194	3,740	3,391	3,113
110	Feb-15	4,506	4,229	3,475	3,101	2,979
111	Mar-15	4,508	4,159	3,552	2,612	2,656
112	Apr-15	3,307	2,786	2,730	1,803	1,689
113	May-15	1,643	1,338	1,342	900	822
114	Jun-15	837	749	769	555	554

Normalized Average Use (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)
115	Jul-15	683	611	616	535	478
116	Aug-15	705	590	612	608	524
117	Sep-15	774	620	683	651	604
118	Oct-15	1,335	1,229	1,162	1,210	1,135
119	Nov-15	2,699	2,571	2,254	2,543	2,284
120	Dec-15	4,020	3,730	3,137	3,023	2,871
121	Jan-16	4,395	4,054	3,631	3,228	3,117
122	Feb-16	4,868	4,511	4,017	2,979	2,962
123	Mar-16	4,246	4,004	3,623	2,905	2,601
124	Apr-16	2,574	2,525	2,401	1,827	1,594
125	May-16	1,626	1,288	1,341	924	909
126	Jun-16	841	670	735	580	589
127	Jul-16	683	540	588	491	498
128	Aug-16	656	500	593	553	491
129	Sep-16	694	691	645	616	546
130	Oct-16	1,229	1,258	1,119	1,343	1,165
131	Nov-16	2,672	2,624	2,250	2,511	2,136
132	Dec-16	3,721	3,687	2,970	2,725	2,938
133	Jan-17	5,081	4,680	4,041	3,387	3,274
134	Feb-17	5,041	4,599	4,086	3,262	2,949
135	Mar-17	3,694	3,466	3,146	2,727	2,486
136	Apr-17	3,394	3,120	2,969	1,982	1,776
137	May-17	1,506	1,172	1,289	925	1,035
138	Jun-17	960	878	877	594	514
139	Jul-17	631	583	555	498	511
140	Aug-17	660	574	712	581	607
141	Sep-17	856	718	854	632	479
142	Oct-17	1,244	1,165	1,096	1,271	1,236
143	Nov-17	2,571	2,276	2,166	2,508	2,087
144	Dec-17	3,565	3,592	2,869	3,067	2,883
145	Jan-18	5,219	5,080	4,182	3,320	3,167
146	Feb-18	5,207	4,881	4,236	3,304	2,978
147	Mar-18	3,830	3,624	3,201	2,780	2,601
148	Apr-18	2,934	2,631	2,705	1,816	1,625
149	May-18	2,067	1,531	1,805	1,104	1,050
150	Jun-18	922	755	842	603	659
151	Jul-18	623	500	548	582	442
152	Aug-18	626	506	579	482	479
153	Sep-18	842	717	788	627	533
154	Oct-18	1,364	1,249	1,155	1,215	1,164
155	Nov-18	2,771	2,652	2,375	2,551	2,221
156	Dec-18	4,259	4,065	3,549	3,060	2,876
157	Jan-19	4,526	4,460	3,734	3,397	3,204
158	Feb-19	5,147	4,828	4,312	3,389	2,983
159	Mar-19	4,253	3,868	3,740	2,868	2,656
160	Apr-19	3,121	2,562	2,539	1,934	1,606
161	May-19	1,621	1,284	1,268	990	1,021
162	Jun-19	1,021	856	965	680	726
163	Jul-19	745	576	616	581	556
164	Aug-19	713	461	492	535	395
165	Sep-19	730	664	839	677	608
166	Oct-19	1,574	1,403	1,689	1,330	1,160
167	Nov-19	2,025	2,523	2,170	2,403	2,157

Normalized Average Use (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)
168	Dec-19	4,414	3,690	2,823	3,134	2,899
169	Jan-20	5,003	4,686	4,004	3,439	3,269
170	Feb-20	4,872	4,652	4,115	3,394	3,019
171	Mar-20	4,467	4,006	3,674	2,858	2,526
172	Apr-20	2,525	2,211	2,058	1,635	1,604
173	May-20	1,319	1,042	1,014	865	952
174	Jun-20	779	600	630	551	475
175	Jul-20	537	551	483	459	373
176	Aug-20	583	490	418	491	449
177	Sep-20	662	706	525	632	687
178	Oct-20	1,345	1,341	1,064	1,285	1,263
179	Nov-20	2,728	2,605	2,280	2,663	2,176
180	Dec-20	3,782	3,703	3,312	2,852	2,721
181	Jan-21	4,713	4,411	3,890	3,198	3,123
182	Feb-21	4,418	4,044	3,602	3,116	2,929
183	Mar-21	4,334	3,788	3,465	2,704	2,255
184	Apr-21	2,724	2,628	2,220	1,711	1,628
185	May-21	1,379	1,011	1,067	880	891
186	Jun-21	798	606	658	623	472
195	Mar-22	4,103	3,681	3,490	2,861	2,567
196	Apr-22	2,790	2,430	2,553	1,926	1,684
197	May-22	1,492	1,163	1,361	998	911
198	Jun-22	962	773	845	702	501
199	Jul-22	714	591	602	604	500
200	Aug-22	712	567	565	632	500
201	Sep-22	962	773	856	704	548
202	Oct-22	1,393	1,229	1,163	1,372	1,188
203	Nov-22	2,622	2,428	2,225	2,500	2,116
204	Dec-22	3,897	3,590	3,124	3,064	2,833
205	Jan-23	4,695	4,284	3,788	3,401	3,281
206	Feb-23	4,610	4,229	3,908	3,258	2,941
207	Mar-23	4,092	3,667	3,507	2,864	2,563
208	Apr-23	2,775	2,416	2,564	1,928	1,680
209	May-23	1,481	1,149	1,372	1,000	907
210	Jun-23	951	759	855	706	497
211	Jul-23	702	577	607	606	496
212	Aug-23	701	553	569	635	496
213	Sep-23	951	759	859	707	544
214	Oct-23	1,382	1,215	1,164	1,375	1,184
215	Nov-23	2,610	2,414	2,226	2,503	2,112
216	Dec-23	3,886	3,576	3,124	3,067	2,829
217	Jan-24	4,681	4,266	3,787	3,405	3,277
218	Feb-24	4,596	4,210	3,906	3,263	2,936
219	Mar-24	4,078	3,649	3,505	2,869	2,559
220	Apr-24	2,761	2,398	2,563	1,933	1,675
221	May-24	1,467	1,131	1,370	1,006	903
222	Jun-24	937	741	853	711	492
223	Jul-24	688	559	605	611	492
224	Aug-24	687	535	567	641	492
225	Sep-24	937	741	857	713	540
226	Oct-24	1,368	1,197	1,162	1,381	1,180
227	Nov-24	2,596	2,396	2,223	2,510	2,108
228	Dec-24	3,872	3,558	3,122	3,074	2,825

Customer Numbers

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
1	Jan-06	118,471	19,328	11,591	84,499	28,387	262,276
2	Feb-06	119,060	19,418	11,631	84,517	28,391	263,017
3	Mar-06	119,557	19,477	11,651	84,427	28,358	263,470
4	Apr-06	119,775	19,506	11,637	84,466	28,407	263,791
5	May-06	119,587	19,526	11,602	84,200	28,373	263,288
3	Jun-06	119,060	19,428	11,510	83,901	28,287	262,186
7	Jul-06	118,703	19,380	11,461	83,650	28,202	261,396
8	Aug-06	118,443	19,282	11,413	83,384	28,126	260,648
9	Sep-06	118,318	19,270	11,407	83,401	28,174	260,570
10	Oct-06	118,776	19,309	11,428	83,582	28,223	261,318
11	Nov-06	119,694	19,415	11,485	84,181	28,388	263,163
12	Dec-06	120,175	19,544	11,534	84,516	28,474	264,243
13	Jan-07	120,976	19,725	11,586	84,867	28,580	265,734
14	Feb-07	121,780	19,849	11,641	85,134	28,641	267,045
15	Mar-07	122,194	19,880	11,664	85,199	28,628	267,565
16	Apr-07	122,148	19,893	11,649	85,185	28,684	267,559
17	May-07	121,867	19,886	11,608	85,127	28,641	267,129
18	Jun-07	121,169	19,842	11,545	84,747	28,556	265,859
19	Jul-07	120,681	19,766	11,494	84,568	28,398	264,907
20	Aug-07	120,188	19,708	11,446	84,362	28,437	264,141
21	Sep-07	119,869	19,671	11,430	84,222	28,444	263,636
22	Oct-07	120,013	19,715	11,441	84,375	28,522	264,066
23	Nov-07	121,249	19,868	11,529	85,194	28,663	266,503
24	Dec-07	122,384	20,022	11,600	85,502	28,823	268,331
25	Jan-08	123,172	20,136	11,642	85,837	28,893	269,680
26	Feb-08	123,693	20,180	11,675	86,072	28,948	270,568
27	Mar-08	124,128	20,229	11,709	86,109	28,924	271,099
28	Apr-08	124,325	20,249	11,703	85,995	28,917	271,189
29	May-08	124,223	20,251	11,688	86,035	28,942	271,139
30	Jun-08	123,776	20,173	11,669	85,651	28,793	270,062
31	Jul-08	123,055	20,118	11,591	85,300	28,665	268,729
32	Aug-08	122,465	20,090	11,561	85,184	28,653	267,953
33	Sep-08	122,145	20,072	11,525	85,076	28,558	267,376
34	Oct-08	122,215	20,109	11,549	85,177	28,634	267,684
35	Nov-08	123,376	20,276	11,593	85,615	28,811	269,671
36	Dec-08	124,395	20,422	11,651	86,118	28,941	271,527
37	Jan-09	125,110	20,527	11,673	86,408	28,944	272,662
38	Feb-09	125,509	20,601	11,670	86,548	29,012	273,340
39	Mar-09	125,709	20,628	11,670	86,603	29,042	273,652
40	Apr-09	125,606	20,599	11,652	86,538	29,014	273,409
41	May-09	125,336	20,572	11,603	86,357	28,979	272,847
42	Jun-09	125,037	20,531	11,550	86,053	28,924	272,095
43	Jul-09	124,062	20,428	11,483	85,708	28,873	270,554
44	Aug-09	123,221	20,345	11,426	85,593	28,800	269,385
45	Sep-09	121,840	20,178	11,304	85,398	28,750	267,470
46	Oct-09	124,012	20,397	11,420	85,559	28,808	270,196
47	Nov-09	125,334	20,536	11,511	86,051	28,847	272,279
48	Dec-09	126,328	20,614	11,564	86,403	29,000	273,909

Customer Numbers (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
49	Jan-10	127,165	20,752	11,648	86,742	29,048	275,355
50	Feb-10	127,470	20,733	11,666	86,750	29,068	275,687
51	Mar-10	127,927	20,778	11,694	86,890	29,080	276,369
60	Dec-10	125,122	20,505	11,362	87,114	29,190	273,293
61	Jan-11	125,864	20,621	11,411	87,407	29,243	274,546
62	Feb-11	126,482	20,706	11,451	87,522	29,274	275,435
63	Mar-11	127,499	20,887	11,537	87,423	29,324	276,670
64	Apr-11	126,758	20,762	11,471	87,301	29,228	275,520
65	May-11	126,237	20,814	11,443	87,273	29,266	275,033
66	Jun-11	124,956	20,613	11,278	86,905	29,224	272,976
67	Jul-11	124,088	20,533	11,172	86,764	29,165	271,722
68	Aug-11	123,598	20,451	11,138	86,524	29,095	270,806
69	Sep-11	123,533	20,471	11,142	86,447	29,087	270,680
70	Oct-11	123,712	20,484	11,149	86,611	29,164	271,120
71	Nov-11	125,090	20,686	11,251	86,965	29,282	273,274
72	Dec-11	126,447	20,916	11,354	87,363	29,373	275,453
73	Jan-12	127,581	21,118	11,461	87,675	29,511	277,346
74	Feb-12	127,950	21,168	11,472	87,789	29,542	277,921
75	Mar-12	127,818	21,185	11,472	87,730	29,574	277,779
76	Apr-12	127,472	21,152	11,419	87,694	29,558	277,295
77	May-12	126,270	21,034	11,318	87,502	29,528	275,652
78	Jun-12	125,076	20,878	11,229	87,354	29,480	274,017
79	Jul-12	123,874	20,755	11,114	87,228	29,432	272,403
80	Aug-12	122,882	20,634	11,036	87,028	29,367	270,947
81	Sep-12	123,266	20,616	11,086	86,979	29,343	271,290
82	Oct-12	124,969	20,877	11,174	87,029	29,382	273,431
83	Nov-12	126,569	21,083	11,295	87,593	29,542	276,082
84	Dec-12	127,609	21,219	11,357	87,943	29,575	277,703
85	Jan-13	128,522	21,364	11,413	88,154	29,654	279,107
86	Feb-13	128,972	21,464	11,439	88,386	29,730	279,991
87	Mar-13	129,097	21,489	11,459	88,431	29,687	280,163
88	Apr-13	128,967	21,455	11,443	88,381	29,715	279,961
89	May-13	128,357	21,388	11,394	88,368	29,751	279,258
90	Jun-13	127,037	21,250	11,254	88,181	29,626	277,348
91	Jul-13	125,946	21,161	11,168	88,008	29,597	275,880
92	Aug-13	125,391	21,087	11,131	87,862	29,556	275,027
93	Sep-13	125,078	21,056	11,086	87,750	29,546	274,516
94	Oct-13	126,335	21,239	11,196	87,841	29,578	276,189
95	Nov-13	128,322	21,434	11,331	88,328	29,711	279,126
96	Dec-13	129,480	21,555	11,411	88,739	29,904	281,089
97	Jan-14	130,275	21,619	11,451	89,013	29,980	282,338
98	Feb-14	130,542	21,663	11,462	89,178	30,015	282,860
99	Mar-14	130,656	21,672	11,467	89,268	30,037	283,100
100	Apr-14	130,512	21,674	11,458	89,187	30,034	282,865
101	May-14	129,912	21,619	11,389	89,190	29,974	282,084
102	Jun-14	128,477	21,478	11,288	88,957	29,916	280,116
103	Jul-14	127,622	21,365	11,240	88,811	29,897	278,935
104	Aug-14	127,175	21,321	11,217	88,733	29,844	278,290

Customer Numbers (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
105	Sep-14	127,210	21,333	11,212	88,630	29,815	278,200
106	Oct-14	128,360	21,500	11,303	88,802	29,958	279,923
107	Nov-14	130,086	21,688	11,440	89,038	30,026	282,278
108	Dec-14	130,814	21,833	11,503	89,574	30,181	283,905
109	Jan-15	131,321	21,900	11,537	89,793	30,263	284,814
110	Feb-15	131,696	21,957	11,557	89,952	30,259	285,421
119	Nov-15	130,914	21,871	11,462	89,707	30,177	284,131
120	Dec-15	131,656	21,961	11,517	89,966	30,271	285,371
121	Jan-16	132,197	22,021	11,549	90,374	30,283	286,424
122	Feb-16	132,582	22,062	11,577	90,445	30,393	287,059
123	Mar-16	132,639	22,064	11,584	90,449	30,416	287,152
124	Apr-16	132,453	22,052	11,565	90,447	30,399	286,916
125	May-16	131,744	21,980	11,500	90,268	30,415	285,907
126	Jun-16	130,806	21,848	11,404	90,138	30,374	284,570
127	Jul-16	130,001	21,739	11,322	89,982	30,334	283,378
128	Aug-16	129,452	21,704	11,285	89,782	30,314	282,537
129	Sep-16	129,298	21,693	11,260	89,771	30,279	282,301
130	Oct-16	130,415	21,843	11,357	89,838	30,300	283,753
131	Nov-16	131,728	21,994	11,472	90,529	30,414	286,137
132	Dec-16	132,554	22,088	11,538	90,828	30,557	287,565
133	Jan-17	132,877	22,129	11,576	91,053	30,547	288,182
134	Feb-17	133,189	22,188	11,607	91,143	30,595	288,722
135	Mar-17	133,249	22,226	11,636	91,127	30,654	288,892
136	Apr-17	132,515	22,221	11,619	91,051	30,600	288,006
137	May-17	132,792	22,182	11,609	90,935	30,590	288,108
138	Jun-17	132,224	22,106	11,514	90,712	30,519	287,075
139	Jul-17	131,587	22,048	11,468	90,549	30,481	286,133
140	Aug-17	131,274	22,044	11,449	90,319	30,378	285,464
141	Sep-17	131,311	22,029	11,447	90,243	30,385	285,415
142	Oct-17	132,159	22,118	11,518	90,162	30,377	286,334
143	Nov-17	133,188	22,292	11,613	90,470	30,560	288,123
144	Dec-17	133,715	22,358	11,647	90,778	30,580	289,078
145	Jan-18	134,046	22,409	11,678	91,191	30,869	290,193
146	Feb-18	134,125	22,420	11,678	91,325	30,829	290,377
147	Mar-18	134,173	22,457	11,672	91,365	30,866	290,533
148	Apr-18	133,999	22,451	11,666	91,357	30,795	290,268
149	May-18	133,564	22,372	11,641	91,390	30,743	289,710
150	Jun-18	132,715	22,296	11,592	91,225	30,704	288,532
151	Jul-18	132,044	22,253	11,496	91,026	30,630	287,449
152	Aug-18	131,643	22,183	11,447	90,941	30,569	286,783
153	Sep-18	131,564	22,212	11,414	90,918	30,542	286,650
154	Oct-18	132,979	22,402	11,532	90,973	30,593	288,479
155	Nov-18	133,931	22,471	11,625	91,475	30,734	290,236
156	Dec-18	134,277	22,534	11,648	91,754	30,843	291,056
157	Jan-19	134,744	22,602	11,674	91,986	30,948	291,954
158	Feb-19	134,808	22,620	11,674	92,120	30,949	292,171
159	Mar-19	134,941	22,618	11,679	92,229	30,938	292,405
160	Apr-19	134,796	22,597	11,646	92,149	30,913	292,101

Customer Numbers (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
161	May-19	134,412	22,552	11,594	92,146	30,895	291,599
162	Jun-19	133,636	22,460	11,541	91,945	30,838	290,420
163	Jul-19	133,213	22,429	11,467	91,807	30,816	289,732
164	Aug-19	132,894	22,357	11,440	91,852	30,744	289,287
165	Sep-19	132,859	22,346	11,426	91,747	30,769	289,147
166	Oct-19	133,761	22,450	11,508	91,838	30,714	290,271
167	Nov-19	133,761	22,556	11,500	92,255	30,811	290,883
168	Dec-19	134,477	22,529	11,545	92,533	30,964	292,048
169	Jan-20	135,397	22,684	11,689	92,810	31,060	293,640
170	Feb-20	135,586	22,718	11,706	92,953	31,086	294,049
171	Mar-20	135,424	22,695	11,680	93,046	31,076	293,921
172	Apr-20	135,113	22,686	11,654	92,875	31,066	293,394
173	May-20	134,975	22,684	11,641	92,743	31,023	293,066
174	Jun-20	134,554	22,646	11,592	92,592	30,986	292,370
175	Jul-20	134,139	22,573	11,561	92,576	30,984	291,833
176	Aug-20	133,904	22,556	11,522	92,587	31,018	291,587
177	Sep-20	133,946	22,545	11,510	92,481	30,976	291,458
178	Oct-20	134,445	22,611	11,601	92,650	31,021	292,328
179	Nov-20	134,961	22,656	11,674	92,664	31,061	293,016
180	Dec-20	135,291	22,689	11,718	93,028	31,141	293,867
181	Jan-21	135,588	22,737	11,746	93,328	31,193	294,592
182	Feb-21	135,822	22,778	11,777	93,450	31,271	295,098
183	Mar-21	135,858	22,779	11,773	93,363	31,267	295,040
184	Apr-21	135,913	22,720	11,766	93,459	31,235	295,093
185	May-21	135,703	22,757	11,747	93,056	31,169	294,432
186	Jun-21	135,368	22,718	11,719	92,954	31,102	293,861
187	Jul-21	135,077	22,695	11,689	94,183	31,794	295,438
188	Aug-21	134,985	22,680	11,665	92,840	31,354	293,524
189	Sep-21	135,036	22,666	11,644	93,050	31,420	293,816
190	Oct-21	134,993	22,646	11,620	92,706	31,182	293,147
191	Nov-21	135,399	22,697	11,676	92,778	31,245	293,795
192	Dec-21	135,565	22,698	11,699	93,230	31,416	294,608
193	Jan-22	135,804	22,779	11,710	93,720	31,676	295,689
194	Feb-22	135,867	22,772	11,701	93,906	31,721	295,967
195	Mar-22	136,794	22,889	11,781	94,016	31,391	296,871
196	Apr-22	136,526	22,850	11,764	93,871	31,373	296,384
197	May-22	136,400	22,834	11,755	93,838	31,311	296,138
198	Jun-22	136,275	22,818	11,746	93,611	31,272	295,722
199	Jul-22	135,887	22,765	11,720	93,681	31,232	295,285
200	Aug-22	135,651	22,734	11,705	93,486	31,179	294,755
201	Sep-22	136,027	22,787	11,732	93,385	31,160	295,091
202	Oct-22	135,729	22,742	11,710	93,444	31,195	294,820
203	Nov-22	136,040	22,784	11,730	93,800	31,315	295,669
204	Dec-22	136,533	22,854	11,756	94,321	30,738	296,202
205	Jan-23	137,433	22,982	11,828	94,375	31,444	298,062
206	Feb-23	137,240	22,955	11,814	94,480	31,467	297,956
207	Mar-23	137,672	23,015	11,843	94,535	31,492	298,557
208	Apr-23	137,402	22,976	11,824	94,390	31,473	298,065

Customer Numbers (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
209	May-23	137,275	22,960	11,816	94,356	31,412	297,819
210	Jun-23	137,148	22,944	11,807	94,128	31,372	297,399
211	Jul-23	136,758	22,890	11,782	94,199	31,332	296,961
212	Aug-23	136,520	22,859	11,767	94,003	31,280	296,429
213	Sep-23	136,899	22,912	11,795	93,902	31,261	296,769
214	Oct-23	136,599	22,867	11,772	93,961	31,295	296,494
215	Nov-23	136,911	22,910	11,792	94,319	31,415	297,347
216	Dec-23	136,153	22,804	11,742	94,654	31,524	296,877
217	Jan-24	138,291	23,106	11,888	94,883	31,540	299,708
218	Feb-24	138,097	23,078	11,875	94,991	31,562	299,603
219	Mar-24	138,530	23,138	11,905	95,046	31,588	300,207
220	Apr-24	138,260	23,100	11,885	94,900	31,569	299,714
221	May-24	138,133	23,083	11,876	94,867	31,508	299,467
222	Jun-24	138,003	23,067	11,869	94,637	31,468	299,044
223	Jul-24	137,612	23,013	11,842	94,709	31,428	298,604
224	Aug-24	137,372	22,981	11,828	94,510	31,376	298,067
225	Sep-24	137,754	23,035	11,855	94,410	31,355	298,409
226	Oct-24	137,451	22,990	11,833	94,470	31,391	298,135
227	Nov-24	137,764	23,033	11,854	94,829	31,511	298,991
228	Dec-24	137,003	22,926	11,802	95,163	31,618	298,512

Normalized Volumes

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
1	Jan-06	563,579,750	73,142,762	37,923,644	290,717,143	98,680,585	1,064,043,883
2	Feb-06	363,740,051	61,832,548	28,649,334	270,285,198	89,170,981	813,678,112
3	Mar-06	413,472,522	56,449,676	27,012,300	227,318,285	76,969,893	801,222,677
4	Apr-06	189,564,433	36,444,774	27,530,785	159,731,784	49,912,432	463,184,208
5	May-06	109,418,713	14,284,129	3,963,803	69,830,440	25,988,644	223,485,729
6	Jun-06	77,574,502	11,247,511	6,087,402	42,122,921	14,811,090	151,843,427
7	Jul-06	63,164,584	8,201,588	2,060,341	45,518,292	15,941,418	134,886,223
8	Aug-06	58,590,953	8,009,278	4,184,766	45,905,157	14,556,660	131,246,814
9	Sep-06	63,630,363	16,137,339	5,674,831	53,731,024	15,000,766	154,174,324
10	Oct-06	151,222,419	23,763,064	11,340,186	106,504,186	41,326,577	334,156,432
11	Nov-06	304,261,631	39,627,685	23,060,384	204,194,015	64,536,659	635,680,373
12	Dec-06	373,053,108	62,063,065	28,335,853	264,313,241	85,621,890	813,387,157
13	Jan-07	496,709,726	69,614,647	35,749,364	291,169,925	99,225,074	992,468,736
14	Feb-07	405,745,881	66,074,813	29,395,510	262,699,918	87,147,132	851,063,254
15	Mar-07	426,517,757	60,348,532	31,870,798	244,958,519	81,009,455	844,705,061
16	Apr-07	234,985,121	41,044,385	19,828,552	162,363,901	50,982,563	509,204,522
17	May-07	129,846,703	16,725,107	10,606,787	80,836,329	27,014,115	265,029,041
18	Jun-07	76,508,628	11,207,201	6,160,586	44,003,884	15,273,675	153,153,974
19	Jul-07	65,737,499	8,922,042	4,134,724	45,105,451	14,964,721	138,864,438
20	Aug-07	68,383,562	8,437,187	4,804,559	45,471,902	14,714,973	141,812,183
21	Sep-07	67,430,434	8,526,828	5,597,199	51,608,180	15,708,468	148,871,110
22	Oct-07	136,930,250	19,487,663	10,741,688	108,617,712	38,217,426	313,994,737
23	Nov-07	310,576,516	42,179,707	23,114,904	179,954,638	54,326,629	610,152,393
24	Dec-07	423,140,821	58,300,373	29,851,038	242,851,102	81,058,055	835,201,389
25	Jan-08	578,999,373	78,049,300	39,386,412	285,968,122	100,205,359	1,082,608,566
26	Feb-08	494,842,015	70,981,335	35,250,184	282,299,597	87,771,728	971,144,858
27	Mar-08	396,103,641	58,957,695	29,986,225	269,472,973	75,746,230	830,266,763
28	Apr-08	318,473,271	45,883,095	24,951,952	157,280,537	54,098,515	600,687,370
29	May-08	102,744,867	16,648,644	9,149,990	78,124,115	24,084,168	230,751,784
30	Jun-08	116,413,072	12,500,459	8,121,855	36,398,837	18,241,711	191,675,935
31	Jul-08	67,308,101	9,765,920	5,332,212	45,983,246	16,596,312	144,985,791
32	Aug-08	74,417,280	9,258,626	5,856,256	45,774,721	14,941,826	150,248,709
33	Sep-08	82,896,571	8,702,734	6,202,395	53,641,422	15,253,737	166,696,859
34	Oct-08	170,676,692	25,491,074	11,141,364	106,750,784	34,658,884	348,718,798
35	Nov-08	345,665,253	50,051,055	23,880,797	188,570,297	58,868,760	667,036,162
36	Dec-08	483,981,711	72,458,301	32,323,892	255,043,205	81,364,363	925,171,472
37	Jan-09	600,204,094	84,102,087	38,793,209	276,129,271	104,789,958	1,104,018,620
38	Feb-09	562,067,877	88,702,021	39,091,015	255,374,899	83,433,583	1,028,669,395
39	Mar-09	473,840,304	74,314,844	32,478,491	228,876,202	75,792,357	885,302,199
40	Apr-09	327,688,973	48,158,609	23,960,678	158,292,735	50,429,057	608,530,052
41	May-09	163,843,367	20,665,637	12,441,389	78,011,301	24,441,864	299,403,558
42	Jun-09	120,413,349	14,528,457	13,609,049	34,235,981	13,100,771	195,887,607
43	Jul-09	92,945,101	11,132,610	7,094,890	45,341,844	16,954,905	173,469,351
44	Aug-09	84,689,053	12,674,680	7,804,504	46,252,829	15,619,321	167,040,386
45	Sep-09	92,843,737	13,038,617	8,794,671	47,972,576	15,489,776	178,139,377
46	Oct-09	148,823,170	21,917,616	10,783,758	96,038,691	31,731,111	309,294,347
47	Nov-09	303,816,269	48,261,745	21,499,024	217,089,084	63,654,274	654,320,395

Normalized Volumes (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
48	Dec-09	418,372,007	65,538,243	31,926,940	290,532,582	81,604,096	887,973,868
49	Jan-10	538,646,045	86,692,304	33,854,068	273,696,757	97,414,240	1,030,303,413
50	Feb-10	637,975,395	93,504,311	42,399,928	267,113,467	84,796,008	1,125,789,110
51	Mar-10	615,058,215	90,739,188	32,432,450	229,933,526	75,395,148	1,043,558,527
52	Apr-10	425,135,741	54,439,204	31,689,342	160,234,431	48,591,606	720,090,325
53	May-10	173,275,479	24,103,009	14,393,722	59,516,314	25,010,973	296,299,497
54	Jun-10	106,543,945	15,261,853	7,457,593	45,628,891	16,493,944	191,386,226
55	Jul-10	78,787,839	12,429,814	5,663,882	42,467,888	15,290,555	154,639,979
56	Aug-10	67,952,880	11,825,751	4,402,634	46,253,945	13,738,005	144,173,214
57	Sep-10	109,487,040	16,935,258	8,638,952	48,690,086	16,788,572	200,539,908
58	Oct-10	153,336,738	21,217,158	11,171,838	118,168,510	34,777,912	338,672,156
59	Nov-10	290,005,340	48,730,063	21,295,946	193,703,111	61,738,833	615,473,293
60	Dec-10	478,714,211	77,157,773	33,621,129	230,786,508	81,373,263	901,652,884
61	Jan-11	561,658,120	86,818,096	38,134,504	289,169,676	99,471,540	1,075,251,936
62	Feb-11	631,048,868	95,183,918	42,223,551	267,558,763	80,825,509	1,116,840,609
63	Mar-11	568,075,096	86,325,605	40,471,099	239,736,347	78,832,957	1,013,441,105
64	Apr-11	349,995,868	45,297,683	26,101,976	159,512,001	51,112,921	632,020,448
65	May-11	246,669,058	30,602,625	15,398,408	86,445,667	28,721,048	407,836,806
66	Jun-11	121,374,116	16,412,015	11,572,708	50,050,905	16,984,886	216,394,632
67	Jul-11	89,428,543	12,325,603	6,348,416	44,791,386	15,029,264	167,923,213
68	Aug-11	74,713,620	11,241,489	6,219,958	42,664,607	14,373,009	149,212,684
69	Sep-11	110,162,255	15,331,673	7,043,793	49,516,639	19,161,858	201,216,218
70	Oct-11	165,077,099	25,375,771	12,804,582	114,696,261	30,969,381	348,923,095
71	Nov-11	348,015,538	53,163,587	26,457,955	231,337,404	65,919,257	724,893,740
72	Dec-11	509,335,556	75,135,307	35,127,913	266,777,208	86,212,032	972,588,015
73	Jan-12	629,036,439	90,452,974	44,377,861	278,575,809	101,211,072	1,143,654,156
74	Feb-12	622,297,072	90,798,369	41,837,070	278,176,608	90,664,585	1,123,773,704
75	Mar-12	590,720,503	90,557,900	44,437,062	248,375,450	77,630,141	1,051,721,056
76	Apr-12	328,097,518	45,384,915	25,050,136	149,691,477	50,831,450	599,055,496
77	May-12	222,013,667	27,728,529	15,943,043	67,828,463	27,066,081	360,579,784
78	Jun-12	102,094,730	12,316,818	7,979,251	52,919,235	17,111,237	192,421,271
79	Jul-12	76,069,631	9,102,222	5,864,849	40,108,345	15,474,551	146,619,599
80	Aug-12	77,217,264	8,658,468	4,850,929	44,350,306	14,241,313	149,318,279
81	Sep-12	121,049,326	14,639,204	9,298,767	46,877,914	16,330,896	208,196,108
82	Oct-12	168,952,485	19,591,798	12,328,057	115,745,972	36,375,345	352,993,657
83	Nov-12	356,406,799	52,868,257	25,376,990	216,925,415	65,586,297	717,163,759
84	Dec-12	518,281,217	70,135,707	35,277,140	242,148,820	86,627,472	952,470,357
85	Jan-13	618,280,881	93,750,403	43,130,569	285,832,951	98,683,732	1,139,678,536
86	Feb-13	620,663,928	87,773,141	41,483,956	276,656,719	91,393,931	1,117,971,674
87	Mar-13	523,278,386	82,550,065	37,282,741	234,485,147	77,865,868	955,462,208
88	Apr-13	400,480,616	53,217,004	29,008,324	163,492,738	51,677,661	697,876,343
89	May-13	210,556,740	25,203,589	16,475,121	74,929,415	29,029,873	356,194,738
90	Jun-13	112,765,842	14,410,270	8,376,364	51,139,578	17,419,432	204,111,487
91	Jul-13	80,210,454	10,310,108	6,536,099	43,370,577	16,184,113	156,611,352
92	Aug-13	78,107,042	8,943,715	6,967,480	46,823,822	15,411,307	156,253,366
93	Sep-13	121,071,942	16,842,431	9,677,522	52,861,584	17,719,120	218,172,599
94	Oct-13	168,467,344	24,773,914	12,223,878	113,716,584	34,739,093	353,920,813

Normalized Volumes (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
95	Nov-13	329,833,374	49,568,445	24,718,372	211,505,845	65,688,180	681,314,215
96	Dec-13	521,151,800	86,044,691	34,298,819	272,009,555	84,636,624	998,141,490
97	Jan-14	618,059,402	96,654,594	42,358,493	291,047,825	97,914,235	1,146,034,548
98	Feb-14	640,830,626	91,807,869	43,396,468	277,278,387	87,135,910	1,140,449,260
99	Mar-14	546,899,717	71,790,505	38,990,506	232,585,216	74,923,938	965,189,882
100	Apr-14	428,262,932	57,415,059	29,844,291	170,523,341	58,103,028	744,148,651
101	May-14	240,238,751	30,345,344	17,256,440	84,403,436	32,289,670	404,533,641
102	Jun-14	107,624,889	13,439,287	8,283,825	54,933,598	17,946,718	202,228,317
103	Jul-14	95,043,534	13,348,811	7,617,189	47,188,244	16,391,097	179,588,876
104	Aug-14	91,940,718	11,730,178	6,922,511	51,370,689	17,253,401	179,217,496
105	Sep-14	110,166,579	14,395,442	9,070,211	57,475,761	17,477,168	208,585,161
106	Oct-14	179,841,909	27,562,703	12,933,393	114,912,303	37,598,885	372,849,193
107	Nov-14	332,858,045	51,302,697	25,194,353	218,266,319	68,248,390	695,869,804
108	Dec-14	556,361,204	83,322,985	37,237,228	282,377,853	89,855,429	1,049,154,699
109	Jan-15	596,743,462	91,846,738	43,144,860	304,474,635	94,193,748	1,130,403,443
110	Feb-15	593,401,621	92,852,197	40,160,268	278,983,471	90,155,096	1,095,552,652
111	Mar-15	594,208,509	91,371,592	41,087,551	235,290,627	80,433,661	1,042,391,940
112	Apr-15	435,612,167	61,206,514	31,559,364	162,335,746	51,044,512	741,758,304
113	May-15	215,174,786	29,250,145	15,395,430	80,904,355	24,854,623	365,579,339
114	Jun-15	108,458,191	16,244,067	8,756,927	49,810,477	16,715,245	199,984,907
115	Jul-15	87,923,424	13,197,098	6,973,969	47,915,471	14,404,472	170,414,435
116	Aug-15	90,462,844	12,716,159	6,909,454	54,300,048	15,745,490	180,133,994
117	Sep-15	99,307,364	13,362,029	7,707,003	58,112,553	18,116,296	196,605,245
118	Oct-15	173,273,428	26,738,130	13,221,789	108,107,468	34,103,905	355,444,720
119	Nov-15	353,317,222	56,227,661	25,833,305	228,157,121	68,920,925	732,456,235
120	Dec-15	529,291,839	81,915,800	36,124,491	271,925,461	86,922,691	1,006,180,282
121	Jan-16	580,959,885	89,274,146	41,931,572	291,748,359	94,397,110	1,098,311,073
122	Feb-16	645,412,686	99,523,681	46,507,428	269,411,901	90,032,716	1,150,888,412
123	Mar-16	563,184,816	88,339,240	41,974,238	262,774,792	79,103,176	1,035,376,262
124	Apr-16	340,943,907	55,687,554	27,772,802	165,201,970	48,455,696	638,061,929
125	May-16	214,202,303	28,305,833	15,425,767	83,426,885	27,661,878	369,022,666
126	Jun-16	109,942,452	14,629,202	8,376,746	52,306,602	17,877,012	203,132,015
127	Jul-16	88,752,649	11,734,744	6,662,458	44,206,378	15,111,217	166,467,446
128	Aug-16	84,870,429	10,843,102	6,686,947	49,629,776	14,888,251	166,918,505
129	Sep-16	89,740,220	14,997,244	7,266,206	55,315,440	16,520,863	183,839,973
130	Oct-16	160,306,037	27,469,341	12,708,313	120,673,913	35,313,629	356,471,233
131	Nov-16	352,035,636	57,716,916	25,817,583	227,289,415	64,949,605	727,809,156
132	Dec-16	493,233,372	81,447,590	34,273,368	247,485,716	89,761,566	946,201,613
133	Jan-17	675,188,808	103,553,368	46,782,779	308,421,458	99,997,126	1,233,943,538
134	Feb-17	671,438,365	102,035,269	47,422,954	297,270,104	90,225,164	1,208,391,856
135	Mar-17	492,285,981	77,026,830	36,601,164	248,507,118	76,199,148	930,620,241
136	Apr-17	449,789,133	69,329,067	34,495,717	180,431,942	54,335,612	788,381,470
137	May-17	199,939,999	25,996,121	14,968,451	84,109,888	31,658,927	356,673,387
138	Jun-17	126,896,123	19,399,941	10,100,890	53,908,191	15,671,582	225,976,726
139	Jul-17	83,003,941	12,849,105	6,364,866	45,125,975	15,586,606	162,930,493
140	Aug-17	86,575,851	12,647,353	8,151,468	52,437,466	18,425,840	178,237,978
141	Sep-17	112,422,655	15,823,332	9,776,137	57,020,355	14,543,421	209,585,899

Normalized Volumes (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
142	Oct-17	164,428,457	25,767,873	12,626,630	114,613,382	37,537,495	354,973,837
143	Nov-17	342,433,941	50,739,188	25,153,863	226,932,599	63,793,486	709,053,078
144	Dec-17	476,710,624	80,316,470	33,418,845	278,437,801	88,166,243	957,049,982
145	Jan-18	699,598,025	113,835,433	48,834,556	302,740,909	97,757,358	1,262,766,280
146	Feb-18	698,410,509	109,439,940	49,472,995	301,749,727	91,803,454	1,250,876,625
147	Mar-18	513,908,538	81,391,888	37,358,022	253,949,709	80,286,907	966,895,065
148	Apr-18	393,195,339	59,064,276	31,554,989	165,927,252	50,031,201	699,773,057
149	May-18	276,049,260	34,260,727	21,014,876	100,860,649	32,268,867	464,454,379
150	Jun-18	122,316,375	16,827,020	9,761,051	54,987,777	20,231,713	224,123,936
151	Jul-18	82,197,547	11,126,629	6,304,201	52,966,885	13,543,342	166,138,603
152	Aug-18	82,404,883	11,214,890	6,624,719	43,802,044	14,653,542	158,700,077
153	Sep-18	110,809,422	15,917,553	8,992,643	56,962,659	16,273,024	208,955,301
154	Oct-18	181,340,983	27,974,575	13,324,122	110,554,870	35,618,606	368,813,155
155	Nov-18	371,160,794	59,600,655	27,610,337	233,333,908	68,258,698	759,964,392
156	Dec-18	571,904,853	91,605,561	41,333,901	280,801,272	88,718,398	1,074,363,985
157	Jan-19	609,916,621	100,815,739	43,591,278	312,471,649	99,157,653	1,165,952,940
158	Feb-19	693,827,535	109,200,370	50,336,657	312,226,504	92,331,716	1,257,922,781
159	Mar-19	573,837,208	87,489,405	43,681,686	264,553,212	82,170,600	1,051,732,111
160	Apr-19	420,633,165	57,902,188	29,569,979	178,224,803	49,648,514	735,978,648
161	May-19	217,851,375	28,952,872	14,699,874	91,195,211	31,557,603	384,256,935
162	Jun-19	136,419,105	19,216,483	11,136,728	62,541,525	22,383,039	251,696,879
163	Jul-19	99,190,250	12,927,555	7,063,118	53,379,719	17,140,963	189,701,603
164	Aug-19	94,708,233	10,313,743	5,628,505	49,180,518	12,142,836	171,973,836
165	Sep-19	96,971,599	14,842,354	9,590,730	62,132,670	18,702,949	202,240,302
166	Oct-19	210,521,286	31,486,203	19,432,394	122,115,847	35,639,618	419,195,348
167	Nov-19	270,802,280	56,912,797	24,959,315	221,732,433	66,456,774	640,863,598
168	Dec-19	593,555,049	83,123,357	32,586,654	289,996,011	89,768,866	1,089,029,938
169	Jan-20	677,370,892	106,301,906	46,800,184	319,171,514	101,545,705	1,251,190,200
170	Feb-20	660,586,006	105,679,096	48,168,859	315,511,700	93,852,904	1,223,798,565
171	Mar-20	604,889,350	90,907,220	42,911,630	265,946,224	78,491,768	1,083,146,192
172	Apr-20	341,199,748	50,160,437	23,980,297	151,839,910	49,822,655	617,003,046
173	May-20	178,041,759	23,634,684	11,798,274	80,269,034	29,545,935	323,289,686
174	Jun-20	104,830,114	13,580,626	7,303,285	51,043,405	14,724,380	191,481,809
175	Jul-20	72,060,773	12,429,396	5,580,996	42,486,065	11,571,495	144,128,725
176	Aug-20	78,024,005	11,045,187	4,816,603	45,483,163	13,916,729	153,285,687
177	Sep-20	88,686,201	15,909,689	6,041,414	58,414,082	21,279,323	190,330,709
178	Oct-20	180,884,739	30,313,998	12,340,485	119,078,438	39,166,794	381,784,454
179	Nov-20	368,183,401	59,023,044	26,611,864	246,728,664	67,590,040	768,137,013
180	Dec-20	511,643,371	84,017,682	38,809,371	265,296,415	84,741,125	984,507,965
181	Jan-21	639,071,461	100,286,886	45,691,275	298,488,447	97,406,352	1,180,944,421
182	Feb-21	600,078,590	92,116,925	42,424,998	291,215,898	91,594,894	1,117,431,304
183	Mar-21	588,744,713	86,292,403	40,797,343	252,457,078	70,493,306	1,038,784,844
184	Apr-21	370,274,243	59,712,332	26,125,863	159,883,027	50,861,569	666,857,034
185	May-21	187,189,699	22,998,434	12,533,240	81,925,912	27,756,531	332,403,815
186	Jun-21	107,957,030	13,770,336	7,708,958	57,935,786	14,672,627	202,044,737
187	Jul-21	85,197,023	11,602,996	6,976,667	32,340,562	9,455,261	145,572,509
188	Aug-21	82,069,801	11,641,636	6,383,118	54,382,165	13,649,880	168,126,601

Normalized Volumes (Continued)

Line No.		Central Non-Residential (a)	East Non-Residential (b)	West Non-Residential (c)	South Non-Residential (d)	North Non-Residential (e)	Total Non-Residential (f)
189	Sep-21	87,993,913	10,970,853	6,400,327	55,222,878	18,241,027	178,828,997
190	Oct-21	152,725,056	24,549,829	11,107,841	123,497,552	42,715,197	354,595,475
191	Nov-21	336,821,019	49,719,974	25,085,536	193,857,922	55,481,884	660,966,337
192	Dec-21	548,157,748	80,391,424	37,593,199	257,933,596	86,177,414	1,010,253,380
193	Jan-22	639,100,822	97,908,311	44,167,708	318,576,679	104,050,624	1,203,804,143
194	Feb-22	627,888,417	96,613,990	45,510,220	305,697,367	93,410,669	1,169,120,663
195	Mar-22	561,223,923	84,255,485	41,115,360	268,954,768	80,586,912	1,036,136,448
196	Apr-22	380,861,531	55,536,422	30,033,963	180,800,427	52,824,446	700,056,789
197	May-22	203,489,022	26,555,988	15,999,731	93,615,867	28,523,175	368,183,782
198	Jun-22	131,060,110	17,647,891	9,926,121	65,750,438	15,657,424	240,041,984
199	Jul-22	96,968,392	13,464,972	7,055,204	56,547,903	15,626,547	189,663,019
200	Aug-22	96,538,367	12,891,090	6,616,032	59,124,361	15,589,198	190,759,048
201	Sep-22	130,821,600	17,623,915	10,038,614	65,756,665	17,087,219	241,328,012
202	Oct-22	189,023,806	27,946,780	13,614,514	128,221,614	37,068,457	395,875,171
203	Nov-22	356,629,948	55,319,301	26,096,482	234,509,005	66,265,484	738,820,220
204	Dec-22	532,122,212	82,041,221	36,724,533	288,969,550	87,094,832	1,026,952,348
205	Jan-23	645,235,566	98,455,853	44,809,030	320,948,518	103,157,482	1,212,606,449
206	Feb-23	632,704,260	97,065,814	46,166,702	307,853,349	92,531,546	1,176,321,670
207	Mar-23	563,292,009	84,393,842	41,538,565	270,777,829	80,714,941	1,040,717,186
208	Apr-23	381,315,282	55,517,782	30,320,059	182,014,597	52,861,642	702,029,361
209	May-23	203,264,740	26,377,872	16,206,613	94,391,572	28,484,251	368,725,047
210	Jun-23	130,371,545	17,420,902	10,093,223	66,413,460	15,576,725	239,875,855
211	Jul-23	96,066,122	13,215,230	7,148,634	57,060,941	15,545,983	189,036,910
212	Aug-23	95,635,646	12,638,732	6,700,236	59,687,600	15,509,315	190,171,528
213	Sep-23	130,134,848	17,396,605	10,135,477	66,390,677	17,012,302	241,069,908
214	Oct-23	188,713,431	27,777,025	13,703,456	129,178,710	37,056,816	396,429,438
215	Nov-23	357,387,819	55,301,258	26,245,985	236,085,079	66,346,155	741,366,296
216	Dec-23	529,124,188	81,539,259	36,687,468	290,297,287	89,190,538	1,026,838,740
217	Jan-24	647,331,874	98,568,856	45,015,065	323,045,493	103,340,968	1,217,302,256
218	Feb-24	634,725,989	97,168,188	46,379,701	309,912,792	92,679,351	1,180,866,021
219	Mar-24	564,867,296	84,426,073	41,726,799	272,659,221	80,829,301	1,044,508,690
220	Apr-24	381,764,895	55,399,275	30,461,516	183,484,120	52,891,302	704,001,108
221	May-24	202,605,473	26,101,356	16,270,785	95,408,880	28,439,972	368,826,466
222	Jun-24	129,256,384	17,096,764	10,125,192	67,296,219	15,493,226	239,267,785
223	Jul-24	94,743,564	12,869,691	7,158,493	57,903,747	15,462,614	188,138,109
224	Aug-24	94,313,392	12,290,214	6,706,015	60,558,729	15,426,133	189,294,482
225	Sep-24	129,023,165	17,073,047	10,155,772	67,313,849	16,932,763	240,498,595
226	Oct-24	187,970,153	27,510,317	13,748,147	130,475,918	37,039,653	396,744,188
227	Nov-24	357,689,899	55,181,241	26,355,733	237,974,798	66,417,562	743,619,233
228	Dec-24	530,513,566	81,560,529	36,845,100	292,486,431	89,324,707	1,030,730,333

Residential Normalized Average Use

Line No.	MONTHLY	EGI Non-Residential Norm'd Volumes (a)	EGI Non-Residential Customers (b)	EGI Non-Residential norm'd AU (c) = (a/b)	ANNUAL (d)	EGI Non-Residential norm'd AU (e)		
1	Jan-06	1,064,043,883	262,276	4,057	2006	21,759		
2	Feb-06	813,678,112	263,017	3,094	2007	21,767		
3	Mar-06	801,222,677	263,470	3,041	2008	23,349		
4	Apr-06	463,184,208	263,791	1,756	2009	23,807		
5	May-06	223,485,729	263,288	849	2010	24,638		
6	Jun-06	151,843,427	262,186	579	2011	25,587		
7	Jul-06	134,886,223	261,396	516	2012	25,299		
8	Aug-06	131,246,814	260,648	504	2013	25,195		
9	Sep-06	154,174,324	260,570	592	2014	25,817		
10	Oct-06	334,156,432	261,318	1,279	2015	25,358		
11	Nov-06	635,680,373	263,163	2,416	2016	24,598		
12	Dec-06	813,387,157	264,243	3,078	2017	25,390		
13	Jan-07	992,468,736	265,734	3,735	2018	26,226		
14	Feb-07	851,063,254	267,045	3,187	2019	25,925		
15	Mar-07	844,705,061	267,565	3,157	2020	24,919		
16	Apr-07	509,204,522	267,559	1,903	2021	23,955	10.1%	since 2006
17	May-07	265,029,041	267,129	992	2022F	25,344		
18	Jun-07	153,153,974	265,859	576	2023F	25,282		
19	Jul-07	138,864,438	264,907	524	2024F	25,205		
20	Aug-07	141,812,183	264,141	537				
21	Sep-07	148,871,110	263,636	565				
22	Oct-07	313,994,737	264,066	1,189				
23	Nov-07	610,152,393	266,503	2,289				
24	Dec-07	835,201,389	268,331	3,113				
25	Jan-08	1,082,608,566	269,680	4,014				
26	Feb-08	971,144,858	270,568	3,589				
27	Mar-08	830,266,763	271,099	3,063				
28	Apr-08	600,687,370	271,189	2,215				
29	May-08	230,751,784	271,139	851				
30	Jun-08	191,675,935	270,062	710				
31	Jul-08	144,985,791	268,729	540				
32	Aug-08	150,248,709	267,953	561				
33	Sep-08	166,696,859	267,376	623				
34	Oct-08	348,718,798	267,684	1,303				
35	Nov-08	667,036,162	269,671	2,474				
36	Dec-08	925,171,472	271,527	3,407				
37	Jan-09	1,104,018,620	272,662	4,049				
38	Feb-09	1,028,669,395	273,340	3,763				
39	Mar-09	885,302,199	273,652	3,235				
40	Apr-09	608,530,052	273,409	2,226				
41	May-09	299,403,558	272,847	1,097				
42	Jun-09	195,887,607	272,095	720				
43	Jul-09	173,469,351	270,554	641				
44	Aug-09	167,040,386	269,385	620				
45	Sep-09	178,139,377	267,470	666				
46	Oct-09	309,294,347	270,196	1,145				
47	Nov-09	654,320,395	272,279	2,403				
48	Dec-09	887,973,868	273,909	3,242				
49	Jan-10	1,030,303,413	275,355	3,742				
50	Feb-10	1,125,789,110	275,687	4,084				
51	Mar-10	1,043,558,527	276,369	3,776				
52	Apr-10	720,090,325	276,352	2,606				
53	May-10	296,299,497	274,854	1,078				
54	Jun-10	191,386,226	273,745	699				
55	Jul-10	154,639,979	272,807	567				
56	Aug-10	144,173,214	271,960	530				
57	Sep-10	200,539,908	271,351	739				
58	Oct-10	338,672,156	270,457	1,252				
59	Nov-10	615,473,293	271,508	2,267				
60	Dec-10	901,652,884	273,293	3,299				

Residential Normalized Average Use (Continued)

Line No.	MONTHLY	EGI Non-Residential Norm'd Volumes (a)	EGI Non-Residential Customers (b)	EGI Non-Residential norm'd AU (c) = (a/b)
61	Jan-11	1,075,251,936	274,546	3,916
62	Feb-11	1,116,840,609	275,435	4,055
63	Mar-11	1,013,441,105	276,670	3,663
64	Apr-11	632,020,448	275,520	2,294
65	May-11	407,836,806	275,033	1,483
66	Jun-11	216,394,632	272,976	793
67	Jul-11	167,923,213	271,722	618
68	Aug-11	149,212,684	270,806	551
69	Sep-11	201,216,218	270,680	743
70	Oct-11	348,923,095	271,120	1,287
71	Nov-11	724,893,740	273,274	2,653
72	Dec-11	972,588,015	275,453	3,531
73	Jan-12	1,143,654,156	277,346	4,124
74	Feb-12	1,123,773,704	277,921	4,044
75	Mar-12	1,051,721,056	277,779	3,786
76	Apr-12	599,055,496	277,295	2,160
77	May-12	360,579,784	275,652	1,308
78	Jun-12	192,421,271	274,017	702
79	Jul-12	146,619,599	272,403	538
80	Aug-12	149,318,279	270,947	551
81	Sep-12	208,196,108	271,290	767
82	Oct-12	352,993,657	273,431	1,291
83	Nov-12	717,163,759	276,082	2,598
84	Dec-12	952,470,357	277,703	3,430
85	Jan-13	1,139,678,536	279,107	4,083
86	Feb-13	1,117,971,674	279,991	3,993
87	Mar-13	955,462,208	280,163	3,410
88	Apr-13	697,876,343	279,961	2,493
89	May-13	356,194,738	279,258	1,276
90	Jun-13	204,111,487	277,348	736
91	Jul-13	156,611,352	275,880	568
92	Aug-13	156,253,366	275,027	568
93	Sep-13	218,172,599	274,516	795
94	Oct-13	353,920,813	276,189	1,281
95	Nov-13	681,314,215	279,126	2,441
96	Dec-13	998,141,490	281,089	3,551
97	Jan-14	1,146,034,548	282,338	4,059
98	Feb-14	1,140,449,260	282,860	4,032
99	Mar-14	965,189,882	283,100	3,409
100	Apr-14	744,148,651	282,865	2,631
101	May-14	404,533,641	282,084	1,434
102	Jun-14	202,228,317	280,116	722
103	Jul-14	179,588,876	278,935	644
104	Aug-14	179,217,496	278,290	644
105	Sep-14	208,585,161	278,200	750
106	Oct-14	372,849,193	279,923	1,332
107	Nov-14	695,869,804	282,278	2,465
108	Dec-14	1,049,154,699	283,905	3,695
109	Jan-15	1,130,403,443	284,814	3,969
110	Feb-15	1,095,552,652	285,421	3,838
111	Mar-15	1,042,391,940	285,708	3,648
112	Apr-15	741,758,304	285,541	2,598
113	May-15	365,579,339	284,454	1,285
114	Jun-15	199,984,907	282,498	708
115	Jul-15	170,414,435	281,301	606
116	Aug-15	180,133,994	280,492	642
117	Sep-15	196,605,245	280,429	701
118	Oct-15	355,444,720	282,318	1,259
119	Nov-15	732,456,235	284,131	2,578
120	Dec-15	1,006,180,282	285,371	3,526

Residential Normalized Average Use (Continued)

Line No.	MONTHLY	EGI Non-Residential Norm'd Volumes (a)	EGI Non-Residential Customers (b)	EGI Non-Residential norm'd AU (c) = (a/b)
121	Jan-16	1,098,311,073	286,424	3,835
122	Feb-16	1,150,888,412	287,059	4,009
123	Mar-16	1,035,376,262	287,152	3,606
124	Apr-16	638,061,929	286,916	2,224
125	May-16	369,022,666	285,907	1,291
126	Jun-16	203,132,015	284,570	714
127	Jul-16	166,467,446	283,378	587
128	Aug-16	166,918,505	282,537	591
129	Sep-16	183,839,973	282,301	651
130	Oct-16	356,471,233	283,753	1,256
131	Nov-16	727,809,156	286,137	2,544
132	Dec-16	946,201,613	287,565	3,290
133	Jan-17	1,233,943,538	288,182	4,282
134	Feb-17	1,208,391,856	288,722	4,185
135	Mar-17	930,620,241	288,892	3,221
136	Apr-17	788,381,470	288,006	2,737
137	May-17	356,673,387	288,108	1,238
138	Jun-17	225,976,726	287,075	787
139	Jul-17	162,930,493	286,133	569
140	Aug-17	178,237,978	285,464	624
141	Sep-17	209,585,899	285,415	734
142	Oct-17	354,973,837	286,334	1,240
143	Nov-17	709,053,078	288,123	2,461
144	Dec-17	957,049,982	289,078	3,311
145	Jan-18	1,262,766,280	290,193	4,351
146	Feb-18	1,250,876,625	290,377	4,308
147	Mar-18	966,895,065	290,533	3,328
148	Apr-18	699,773,057	290,268	2,411
149	May-18	464,454,379	289,710	1,603
150	Jun-18	224,123,936	288,532	777
151	Jul-18	166,138,603	287,449	578
152	Aug-18	158,700,077	286,783	553
153	Sep-18	208,955,301	286,650	729
154	Oct-18	368,813,155	288,479	1,278
155	Nov-18	759,964,392	290,236	2,618
156	Dec-18	1,074,363,985	291,056	3,691
157	Jan-19	1,165,952,940	291,954	3,994
158	Feb-19	1,257,922,781	292,171	4,305
159	Mar-19	1,051,732,111	292,405	3,597
160	Apr-19	735,978,648	292,101	2,520
161	May-19	384,256,935	291,599	1,318
162	Jun-19	251,696,879	290,420	867
163	Jul-19	189,701,603	289,732	655
164	Aug-19	171,973,836	289,287	594
165	Sep-19	202,240,302	289,147	699
166	Oct-19	419,195,348	290,271	1,444
167	Nov-19	640,863,598	290,883	2,203
168	Dec-19	1,089,029,938	292,048	3,729
169	Jan-20	1,251,190,200	293,640	4,261
170	Feb-20	1,223,798,565	294,049	4,162
171	Mar-20	1,083,146,192	293,921	3,685
172	Apr-20	617,003,046	293,394	2,103
173	May-20	323,289,686	293,066	1,103
174	Jun-20	191,481,809	292,370	655
175	Jul-20	144,128,725	291,833	494
176	Aug-20	153,285,687	291,587	526
177	Sep-20	190,330,709	291,458	653
178	Oct-20	381,784,454	292,328	1,306
179	Nov-20	768,137,013	293,016	2,621
180	Dec-20	984,507,965	293,867	3,350

Residential Normalized Average Use (Continued)

Line No.	MONTHLY	EGI Non-Residential Norm'd Volumes (a)	EGI Non-Residential Customers (b)	EGI Non-Residential norm'd AU (c) = (a/b)
181	Jan-21	1,180,944,421	294,592	4,009
182	Feb-21	1,117,431,304	295,098	3,787
183	Mar-21	1,038,784,844	295,040	3,521
184	Apr-21	666,857,034	295,093	2,260
185	May-21	332,403,815	294,432	1,129
186	Jun-21	202,044,737	293,861	688
187	Jul-21	145,572,509	295,438	493
188	Aug-21	168,126,601	293,524	573
189	Sep-21	178,828,997	293,816	609
190	Oct-21	354,595,475	293,147	1,210
191	Nov-21	660,966,337	293,795	2,250
192	Dec-21	1,010,253,380	294,608	3,429
193	Jan-22	1,203,804,143	295,689	4,071
194	Feb-22	1,169,120,663	295,967	3,950
195	Mar-22	1,036,136,448	296,871	3,490
196	Apr-22	700,056,789	296,384	2,362
197	May-22	368,183,782	296,138	1,243
198	Jun-22	240,041,984	295,722	812
199	Jul-22	189,663,019	295,285	642
200	Aug-22	190,759,048	294,755	647
201	Sep-22	241,328,012	295,091	818
202	Oct-22	395,875,171	294,820	1,343
203	Nov-22	738,820,220	295,669	2,499
204	Dec-22	1,026,952,348	296,202	3,467
205	Jan-23	1,212,606,449	298,062	4,068
206	Feb-23	1,176,321,670	297,956	3,948
207	Mar-23	1,040,717,186	298,557	3,486
208	Apr-23	702,029,361	298,065	2,355
209	May-23	368,725,047	297,819	1,238
210	Jun-23	239,875,855	297,399	807
211	Jul-23	189,036,910	296,961	637
212	Aug-23	190,171,528	296,429	642
213	Sep-23	241,069,908	296,769	812
214	Oct-23	396,429,438	296,494	1,337
215	Nov-23	741,366,296	297,347	2,493
216	Dec-23	1,026,838,740	296,877	3,459
217	Jan-24	1,217,302,256	299,708	4,062
218	Feb-24	1,180,866,021	299,603	3,941
219	Mar-24	1,044,508,690	300,207	3,479
220	Apr-24	704,001,108	299,714	2,349
221	May-24	368,826,466	299,467	1,232
222	Jun-24	239,267,785	299,044	800
223	Jul-24	188,138,109	298,604	630
224	Aug-24	189,294,482	298,067	635
225	Sep-24	240,498,595	298,409	806
226	Oct-24	396,744,188	298,135	1,331
227	Nov-24	743,619,233	298,991	2,487
228	Dec-24	1,030,730,333	298,512	3,453

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, Attachment 2, Page 3 and Page 4, Table 1

Question(s):

- a) Please confirm NAC model simulates EGD rate zone Average use from 2012 to 2021.
- b) Please provide Rate 1 and Rate 6 actuals and standard deviation.
- c) Please confirm proposed model has the same deviation as existing model.
- d) Please confirm the Standard Deviation of existing method is same as of the new model.

Response:

Enbridge Gas has interpreted the reference to “NAC model” in this interrogatory as referring to the normalization methodology.

- a) The purpose of normalizing actual average use is to show what that average use would have been under different weather conditions. In that sense a normalization procedure “simulates” what actual average use would have been had heating degree days been warmer or colder than the degree days that actually occurred. The proposed normalization methodology uses the weather coefficients from the regression equations when calculating normalized actual average use.
- b) Rate 1 and Rate 6 actual unnormalized average use and the standard deviation for the period of 2012 to 2021 are provided in Table 1.

Table 1
EGD Rate Zone: Actual Average Use by Rate Class (m3/year)

Line No.	Year	Rate 1 (a)	Rate 6 (b)
1	2012	2,302	26,448
2	2013	2,560	29,389
3	2014	2,832	32,613
4	2015	2,590	30,416
5	2016	2,300	27,113
6	2017	2,383	28,199
7	2018	2,627	31,473
8	2019	2,626	31,370
9	2020	2,380	27,483
10	2021	2,287	26,358
11	Standard Deviation (1)	184	2,282
<u>Year-over-Year Actual Average Use Percentage Change</u>			
12	2013	11%	11%
13	2014	11%	11%
14	2015	(9%)	(7%)
15	2016	(11%)	(11%)
16	2017	4%	4%
17	2018	10%	12%
18	2019	0%	0%
19	2020	(9%)	(12%)
20	2021	(4%)	(4%)
21	Standard Deviation (2)	0.095	0.100

Notes:

- (1) Based on actual average use
- (2) Based on year-over-year actual average use percent change

c-d) Enbridge Gas has interpreted parts c) and d) to be asking the same question.

The standard deviation of the existing method is not the same as the new model as provided at Exhibit 3, Tab 2, Schedule 5, Attachment 2, Table 1. The standard deviation from the proposed methodology is lower for Rate 1 but higher for Rate 6 when compared against the existing methodology as provided at rows 20 and 21 of Table 1.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, Attachment 7

Preamble:

The AU models appear to forecast the end of declining residential NAC in 2024 for rates M1 and M2 but not for Rate 1.

Question(s):

- a) Please discuss this result and underlying causes in more detail.
- b) In terms of the model, is this an inflexion point?
- c) What has caused this directional change?

Response:

a-c) Rate M1 and Rate M2 classes are comprised of residential, commercial, and industrial customers contrary to Rate 1 which consists of only residential customers. Consequently, the Rate M1 and Rate M2 normalized average use provided in Exhibit 3, Tab 2, Schedule 5, Attachment 7, page 1 is not representative of residential average use trends.

Under the proposed methodology, Enbridge Gas's residential and non-residential average uses were initially estimated for each weather zone (Central, East, West, South, North). As discussed in Exhibit 3, Tab 2, Schedule 5, page 15, and provided at Attachment 7, page 2, the current forecast shows a continuation of the declining trend for residential average use for each weather zone and residential average use in total.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, Attachment 7, Page 2

Question(s):

- a) What is the purpose/use of the Sectoral Forecast?
- b) How many Rate classes are in the residential demand average use forecast?
- c) How was average use determined for each rate class?
- d) Will the Sectoral average use be used to allocate costs and set rates?

Response:

- a) Residential and non-residential average use follow different trends and are driven by different factors. Given an example, declining residential average use trends are driven mostly by efficiency improvements whereas stable non-residential average use trends is driven by economic outlook. Therefore, the purpose of Enbridge Gas proposing sectoral forecast is because the trends can be interpreted and explained more clearly for each sector. Determining average use forecast at the rate class level was not considered by Enbridge Gas due to its complexity considering some rate classes are comprised of residential, commercial, and industrial sectors (Rate M1, Rate M2 and Rate 01). As well, the Achievable Potential Study (APS) engaged by the OEB also requires the forecast at the sectoral level.
- b) Enbridge Gas residential average use forecast includes four rate classes (Residential Rate 1, Rate 01, Rate M1 and Rate M2).
- c) The initial average use forecast is based on the proposed methodology is determined at the sectoral level. The rate class average use forecast is then determined using historical proportion.
- d) The sectoral average use is used to develop the annual volume forecast for general service customers, which is used in the derivation of the Cost Allocation Study

allocation factors and used as billing determinants in the derivation of volumetric unit rates.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 7, Page 4

Preamble:

Energy Probe wishes to understand the tripling of the DSM forecast for 2024

Question(s):

- a) Please provide a version of the DSM volumes by rate class for 2020 (actual) 2021 (actual) 2022 (estimate).
- b) Please provide the forecast from the approved DSM plan 2024-2027. If 2024 volumes in the as filed DSM plan differs from the referenced exhibit, please provide a separate column.
- c) Please explain the large increase in forecast DSM volumes in 2024.
- d) If the forecast is not achieved what will be the impact on 2024 base year rates? Assume 10% and 20% lower volumes for Rate 1 and Rate M1.
- e) Has EGI used Corrected Volumes for setting residential rates?
- f) Please prove a reconciliation to Rate Class Average Use at Ex 3, Tab 2, Schedule 2, Page 1 and by sector at Ex 3 Tab2 Schedule 2, Page 1.

Response:

- a) Please see Table 1. Volumetric forecasts include a combination of partially effective and fully effective volumes. For example, the referenced table provided at Exhibit 3, Tab 2, Schedule 7, page 4, shows 2023 partially effective values only under 2023 Bridge Year column (a) and 2024 partially effective volumes plus 2023 fully effective volumes under 2024 Test Year column (b). Without further context, Enbridge Gas has interpreted the request as being for fully effective DSM volumes for each

program year 2020 to 2022 in the same format as the referenced table (i.e. general service rate classes).

Line No.	Rate Class	Sector (2)	Table 1 DSM Volumes (m ³) (1)		
			2020	2021	2022
			Actual (a)	Actual (b)	Estimate (3) (c)
1	Rate 1	Residential	11,395,298	12,889,392	10,109,699
2	Rate 6	Commercial	14,818,529	16,764,922	20,553,017
3	Rate 6	Industrial	2,078,992	5,155,809	6,433,774
4	Rate 01	Residential	1,289,863	1,177,207	1,489,273
5	Rate 01	Commercial	213,565	418,316	582,263
6	Rate 01	Industrial	2,965	4,050	9,924
7	Rate 10	Commercial	422,232	574,452	592,763
8	Rate 10	Industrial	60,543	61,506	109,357
9	Rate M1	Residential	6,733,567	6,066,246	7,258,197
10	Rate M1	Commercial	1,138,128	1,539,316	2,329,870
11	Rate M1	Industrial	74,881	280,428	341,338
12	Rate M2	Commercial	2,986,508	3,376,146	3,544,083
13	Rate M2	Industrial	880,013	882,212	1,745,572
14		Residential	19,418,727	20,132,845	18,857,170
15		Non-Residential	22,676,356	29,057,156	36,241,962
16		Total	42,095,083	49,190,002	55,099,132

Notes:

1. Numbers in this table represent net annual fully effective volumes.
2. Sectors are based on QRAM Rate Class Sectors and not DSM sector-based reporting.
3. 2022 results are not yet finalized. Instead, the m³ savings at 100% target have been provided, with sectors estimated based on historical data.

b) Please see response at Exhibit I.1.10-STAFF-29.

c) The increase in forecast DSM volumes in 2024 is because the cumulative calculation has been done to take into account the impact of DSM in both Bridge Year (2023) and the Test Year (2024). Full 2023 and Partial 2024 DSM volumes were used to determine total DSM for 2024.

- d) 2024 proposed base rates are derived using a forecast of 2024 volumes and therefore not affected by actual DSM volume savings achieved in 2024.

The revenue impact of the volumetric forecast variance, including DSM-related variances, for general service rate classes will be recorded in the proposed Volume Variance Account provided at Exhibit 9, Tab 1, Schedule 2, pages 26-27.

The revenue impact of the DSM forecast variance for contract rate classes will be recorded in the LRAM Variance Account provided at Exhibit 9, Tab 1, Schedule 1, Attachment 1, page 15.

Please see Table 2 for an illustrative impact on the Volume Variance Deferral Account of a 10% and 20% reduction in DSM volume savings for Rate 1 and Rate M1 in 2024. If the DSM volume savings are not achieved, customers will be refunded the revenue requirement difference such that the utility and the ratepayer are kept whole.

Table 2
Impact on Volume Variance Deferral Account of Reduction in DSM Volume Savings

Line No.	Particulars (10 ³ m ³)	Rate 1 (a)	Rate M1 (b)
1	2024 Forecast DSM Volume Savings (1)	14,476	11,678
2	10% Reduction in DSM Volume Savings (2)	(1,448)	(1,168)
3	20% Reduction in DSM Volume Savings (3)	(2,895)	(2,336)
4	2024 Average Delivery Unit Rate (cents/m ³) (4)	11.4012	10.9294
	Volume Variance Deferral Account Balance (\$000s)		
5	10% Reduction in DSM Volume Savings (5)	(165)	(128)
6	20% Reduction in DSM Volume Savings (6)	(330)	(255)

Notes:

- (1) Exhibit 3, Tab 2, Schedule 7, page 4.
- (2) Line 1 x 10%.
- (3) Line 1 x 20%.
- (4) Average delivery charge distribution margin unit rate.
- (5) Line 2 x Line 4 / 100.
- (6) Line 3 x Line 4 / 100.

- e) Enbridge Gas has used 2024 forecast volumes to derive the proposed 2024 rates. The forecast volumes include the adjustment for the future DSM plan activities provided at Exhibit 3, Tab 2, Schedule 7, Table 1, column (b). However, the volumes

forecast for 2024 does not reflect the DSM Decision¹. Please see response at Exhibit I.1.10-STAFF-29 for more details.

- f) Based on the interrogatory's reference, Enbridge Gas assumes the question is asking for a reconciliation of tables provided at Exhibit 3, Tab 2, Schedule 7, pages 1 and 2. Please see Attachment 1 for a reconciliation of volumes by sector and rate class.

¹ EB-2021-0002.

EGI General Service Normalized Volumes (By Sector and Rate Class) (1)

Line No.	Particulars (10 ⁶ m ³)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Actual (f)	Actual (g)	Actual (h)	Actual (i)	Actual (j)	Estimate (k)	Bridge Year (l)	Test Year (m)
	<u>Residential</u>													
	Residential													
1	Rate 1	4,609.0	4,640.2	4,707.0	4,684.2	4,688.7	4,851.5	4,871.7	4,904.4	5,011.9	4,953.5	4,960.2	4,984.2	5,001.0
2	Rate M1	2,206.6	2,241.5	2,270.0	2,224.3	2,236.7	2,319.5	2,355.1	2,411.7	2,425.1	2,379.0	2,426.1	2,441.7	2,453.4
3	Rate M2	2.1	0.3	0.4	0.5	1.1	1.0	1.2	1.5	1.6	1.8	2.3	2.3	1.9
4	Rate O1	658.6	662.4	680.3	671.1	676.6	698.1	703.0	716.5	728.4	710.0	718.4	721.2	722.9
5	Total Residential	7,476.4	7,544.4	7,657.6	7,580.1	7,603.2	7,870.0	7,930.9	8,034.1	8,166.9	8,044.3	8,107.0	8,149.4	8,179.3
	<u>Non-Residential</u>													
	Commercial													
6	Rate 6	3,955.2	3,966.7	4,118.7	4,083.8	3,940.1	4,121.0	4,383.1	4,299.6	4,191.4	4,089.4	4,240.2	4,245.6	4,234.2
7	Rate M1	638.7	654.8	679.3	643.6	621.3	664.1	687.6	698.8	685.2	652.3	715.2	719.6	740.4
8	Rate M2	792.6	813.3	835.8	864.9	884.2	897.1	883.3	922.7	902.7	843.0	955.8	961.7	950.7
9	Rate O1	238.9	243.6	256.6	241.7	233.2	240.4	250.8	252.7	249.6	241.2	252.9	252.8	266.1
10	Rate 10	247.5	242.7	254.5	246.2	253.2	260.6	253.1	262.3	260.2	243.6	261.7	261.5	256.7
11	Total Commercial	5,872.9	5,921.1	6,144.9	6,080.2	5,932.0	6,183.1	6,458.0	6,436.1	6,289.1	6,069.5	6,425.9	6,441.2	6,448.1
	Industrial													
12	Rate 6	661.9	641.8	671.6	657.2	638.9	641.5	654.6	624.1	553.2	529.7	580.4	573.8	561.5
13	Rate M1	57.4	61.4	63.1	63.4	49.0	54.3	60.4	54.2	55.8	51.9	56.7	56.8	61.3
14	Rate M2	329.1	327.1	331.2	338.9	339.5	358.1	363.1	370.8	341.9	335.2	372.7	373.1	366.8
15	Rate 10	95.1	95.1	87.8	91.3	89.8	87.4	86.3	85.9	77.2	74.1	81.0	80.8	71.3
16	Total Industrial	1,143.5	1,125.4	1,153.7	1,150.9	1,117.2	1,141.3	1,164.5	1,135.1	1,028.1	990.9	1,090.7	1,084.5	1,060.9
17	Total Non-Residential	7,016.4	7,046.5	7,298.7	7,231.1	7,049.2	7,324.4	7,622.5	7,571.1	7,317.2	7,060.5	7,516.7	7,525.7	7,508.9
18	Total General Service Volumes	14,492.8	14,590.9	14,956.3	14,811.2	14,652.4	15,194.4	15,553.4	15,605.3	15,484.1	15,104.8	15,623.7	15,675.0	15,688.2

Note:

(1) Volumes normalized to 2024 Test Year Forecast heating degree days.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 2, Schedule 1, Attachments

Preamble:

For all of the attachments, the data provided includes gas supply revenues and costs which tends to obscure the information on trends in delivery revenues and costs.

Question(s):

Please provide the data in these attachments net of gas supply revenues and costs.

Response:

In Attachment 1 Enbridge Gas has updated Exhibit 3, Tab 2, Schedule 1, Attachment 1 and 2 for 2019 to 2024 to be based on delivery revenue only. A rate class level breakdown of total revenue net of gas supply revenues and costs is not available as gas costs are not recorded at this level of detail.

Delivery Revenue - General Service & Contract Market

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>General Service</u>								
1	Rate 1	EGI	951.2	932.6	937.0	997.8	1,041.6	1,044.0
2	Rate 6	EGI	420.7	394.6	394.9	433.6	449.0	447.1
3	Rate 9	EGI	-	-	-	-	-	-
4	Total - EGD Rate Zone		1,372.0	1,327.2	1,331.9	1,431.4	1,490.6	1,491.1
5	Rate M1	EGI	469.8	468.1	482.0	520.7	537.9	557.2
6	Rate M2	EGI	77.8	69.0	67.9	81.2	90.3	94.8
7	Rate 01	EGI	185.7	181.2	182.2	197.4	208.4	207.5
8	Rate 10	EGI	24.0	22.4	21.0	23.8	28.1	26.0
9	Total - Union Rate Zone		757.3	740.7	753.1	823.0	864.7	885.4
10	Total General Service		2,129.3	2,067.9	2,085.0	2,254.4	2,355.3	2,376.6
<u>Contract</u>								
11	Rate 100	EGI	0.9	1.5	2.0	2.3	1.9	1.9
12	Rate 110	EGI	22.6	26.5	31.2	36.5	33.2	33.2
13	Rate 115	EGI	6.0	5.4	5.4	6.9	6.5	6.4
14	Rate 125	EGI	11.2	11.5	11.9	12.2	12.5	12.5
15	Rate 135	EGI	1.3	1.3	1.5	1.6	1.4	1.3
16	Rate 145	EGI	1.0	1.1	1.7	1.7	1.5	1.5
17	Rate 170	EGI	2.6	2.5	2.9	3.5	3.1	3.1
18	Rate 200	EGI	4.7	4.5	4.9	4.8	5.0	5.0
19	Rate 300	EGI	0.1	0.1	0.1	0.1	-	-
20	Rate 315	EGI	-	-	-	0.0	-	-
21	Total - EGD Rate Zone		50.6	54.3	61.6	69.6	65.0	64.9
22	Rate M4	EGI	30.7	31.6	32.8	35.1	35.5	36.4
23	Rate M7	EGI	15.3	18.8	23.4	27.0	28.0	29.8
24	Rate M9	EGI	1.6	1.5	1.7	1.9	1.9	1.9
25	Rate M10	EGI	0.0	0.0	-	0.0	-	-
26	Rate 20	EGI	22.4	25.0	24.7	27.8	28.8	29.4
27	Rate 100	EGI	10.7	11.3	11.5	11.9	11.4	11.8
28	Rate T1	EGI	12.7	13.6	13.9	14.3	14.4	14.4
29	Rate T2	EGI	71.6	74.1	75.9	80.8	79.3	79.8
30	Rate T3	EGI	6.9	7.2	7.2	7.5	7.8	7.8
31	Rate M5	EGI	2.6	2.2	2.5	2.7	2.7	2.8
32	Rate 25	EGI	4.5	3.9	5.8	6.1	4.4	4.9
33	Rate 30	EGI	-	-	-	-	-	-
34	Total - Union Rate Zone		179.0	189.2	199.3	215.4	214.3	219.1
35	Total Contract		229.6	243.6	260.9	284.9	279.3	284.0
36	Subtotal		2,358.8	2,311.5	2,345.9	2,539.3	2,634.5	2,660.5

Delivery Revenue - General Service & Contract Market (Continued)

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>Accounting Adjustments</u>								
37	Tax Variance	EGI	(24.1)	(13.4)	(18.0)	(29.9)	(13.2)	-
38	Elimination of Prior Year Tax Variance	EGI	4.5	-	-	-	-	-
39	Accounting Policy Change	EGI	1.1	(14.0)	(16.2)	(2.8)	-	-
Average Use/ Normalized Average								
40	Consumption	EGD (1)	(4.1)	(2.5)	9.9	3.5	-	-
41	Dawn Access Cost	EGD	2.2	2.1	2.0	1.2	-	-
42	Incremental Capital Module	EGD	-	(0.3)	0.2	(6.9)	6.9	-
43	Prior Year Earnings Sharing Adjustment	EGD	(1.7)	-	-	-	-	-
Elimination of Prior Year Earnings Sharing								
44	Adjustment	EGD	1.7	-	-	-	-	-
45	Transactional Services Revenue	EGD	-	-	-	-	-	-
46	LRAM	EGD	0.0	-	-	0.1	-	-
47	Federal Carbon Program	EGD	0.1	0.6	0.7	0.9	-	-
Greenhouse Gas Emissions								
48	Administration	EGD	0.2	0.2	0.1	0.1	-	-
Reverse 2019 Gas Supply Plan Cost								
49	Consequences	EGD	-	-	-	-	-	-
Elimination of 2019 Gas Supply Plan Cost								
50	Consequences reversal	EGD	-	-	-	-	-	-
Average Use/ Normalized Average								
51	Consumption	Union (2)	(4.0)	6.7	16.0	6.4	(2.4)	-
52	Parkway Obligation Rate Variance	Union	0.3	-	-	(0.1)	-	-
53	Incremental Capital Module	Union	(7.0)	(5.6)	(14.0)	(2.0)	1.2	-
54	Capital Pass-through	Union	(1.0)	(1.1)	(4.4)	(2.9)	(2.9)	-
55	LRAM	Union	0.4	1.4	0.7	0.8	(1.7)	-
56	Federal Carbon Program	Union	0.4	1.2	1.5	2.0	-	-
Elimination of the UGL rate zone								
unregulated storage cost from EGD rate								
57	zone revenues	EGI	-	-	-	-	-	-
58	Miscellaneous	EGI	-	-	-	-	-	-
59	Total		<u>(30.9)</u>	<u>(24.7)</u>	<u>(21.5)</u>	<u>(29.8)</u>	<u>(12.1)</u>	<u>-</u>
60	Total Utility Revenue		<u>2,328.0</u>	<u>2,286.9</u>	<u>2,324.5</u>	<u>2,509.4</u>	<u>2,622.4</u>	<u>2,660.5</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Comparison of Delivery Revenue - Service Type & Rate Class - 2019 Actual & 2020 Actual

Line No.	Particulars (\$ millions)	<u>2019</u>			<u>2020</u>			2020 Actual Over/(Under) 2019 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	925.5	25.7	951.2	912.6	20.0	932.6	(18.6)
2	Rate 6	303.1	117.6	420.7	284.9	109.7	394.6	(26.1)
3	Rate 9	-	-	-	-	-	-	-
4	Total - EGD Rate Zone	<u>1,228.6</u>	<u>143.4</u>	<u>1,372.0</u>	<u>1,197.5</u>	<u>129.7</u>	<u>1,327.2</u>	<u>(44.8)</u>
5	Rate M1	446.7	23.1	469.8	448.2	20.0	468.1	(1.7)
6	Rate M2	39.0	38.8	77.8	33.5	35.5	69.0	(8.8)
7	Rate 01	174.8	10.9	185.7	171.7	9.5	181.2	(4.5)
8	Rate 10	12.3	11.7	24.0	10.7	11.6	22.4	(1.7)
9	Total - Union Rate Zone	<u>672.8</u>	<u>84.5</u>	<u>757.3</u>	<u>664.1</u>	<u>76.6</u>	<u>740.7</u>	<u>(16.7)</u>
10	Total General Service	<u>1,901.4</u>	<u>227.9</u>	<u>2,129.3</u>	<u>1,861.6</u>	<u>206.3</u>	<u>2,067.9</u>	<u>(61.4)</u>
<u>Contract</u>								
11	Rate 100	0.7	0.2	0.9	0.6	0.9	1.5	0.5
12	Rate 110	2.4	20.3	22.6	2.6	23.9	26.5	3.8
13	Rate 115	(0.1)	6.1	6.0	0.3	5.1	5.4	(0.6)
14	Rate 125	-	11.2	11.2	-	11.5	11.5	0.3
15	Rate 135	0.1	1.2	1.3	0.1	1.2	1.3	-
16	Rate 145	0.0	1.0	1.0	-	1.1	1.1	0.1

Comparison of Delivery Revenue - Service Type & Rate Class - 2019 Actual & 2020 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2019</u>			<u>2020</u>			2020 Actual Over/(Under) 2019 Actual (g) = (f-c)
		Actual			Actual			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	0.2	2.4	2.6	0.1	2.4	2.5	(0.1)
18	Rate 200	3.4	1.3	4.7	3.1	1.4	4.5	(0.2)
19	Rate 300	-	0.1	0.1	-	0.1	0.1	-
20	Rate 315	-	-	-	-	-	-	-
21	Total - EGD Rate Zone	6.7	43.9	50.6	6.7	47.6	54.3	3.8
22	Rate M4	2.8	27.9	30.7	3.5	28.1	31.6	0.9
23	Rate M7	1.2	14.1	15.3	1.6	17.1	18.8	3.5
24	Rate M9	0.7	1.0	1.6	0.6	0.9	1.5	(0.1)
25	Rate M10	-	0.0	0.0	0.0	-	0.0	-
26	Rate 20	0.8	21.6	22.4	0.9	24.0	25.0	2.6
27	Rate 100	-	10.7	10.7	-	11.3	11.3	0.6
28	Rate T1	-	12.7	12.7	-	13.6	13.6	0.9
29	Rate T2	-	71.6	71.6	-	74.1	74.1	2.5
30	Rate T3	-	6.9	6.9	-	7.2	7.2	0.3
31	Rate M5	0.2	2.3	2.6	0.1	2.1	2.2	(0.4)
32	Rate 25	1.8	2.7	4.5	1.1	2.8	3.9	(0.6)
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	7.6	171.5	179.0	7.9	181.2	189.2	10.2
35	Total Contract	14.3	215.4	229.6	14.6	228.8	243.6	14.0
36	Subtotal	1,915.7	443.3	2,358.8	1,876.2	435.1	2,311.5	(47.4)

Comparison of Revenue - Service Type & Rate Class - 2019 Actual & 2020 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2019</u>			<u>2020</u>			2020 Actual Over/(Under) 2019 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(24.1)			(13.4)	10.7
38	Elimination of Prior Year Tax Variance	EGI		4.5			-	(4.5)
39	Accounting Policy Change	EGI		1.1			(14.0)	(15.1)
40	Average Use/ Normalized Average Consumption	EGD (1)		(4.1)			(2.5)	1.6
41	Dawn Access Cost	EGD		2.2			2.1	(0.1)
42	Incremental Capital Module	EGD		-			(0.3)	(0.3)
43	Prior Year Earnings Sharing Adjustment	EGD		(1.7)			-	1.7
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		1.7			-	(1.7)
45	Transactional Services Revenue	EGD		-			-	-
46	LRAM	EGD		0.0			-	(0.0)
47	Federal Carbon Program	EGD		0.1			0.6	0.5
48	Greenhouse Gas Emissions Administration	EGD		0.2			0.2	0.0
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-
50	Elimination of 2019 Gas Supply Plan Cost Consequences reversal	EGD		-			-	-

Comparison of Revenue - Service Type & Rate Class - 2019 Actual & 2020 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2019</u>			<u>2020</u>			2020 Actual Over/(Under) 2019 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
51	Average Use/ Normalized Average Consumption	Union (2)		(4.0)			6.7	10.7
52	Parkway Obligation Rate Variance	Union		0.3			-	(0.3)
53	Incremental Capital Module	Union		(7.0)			(5.6)	1.4
54	Capital Pass-through	Union		(1.0)			(1.1)	(0.1)
55	LRAM	Union		0.4			1.4	1.0
56	Federal Carbon Program	Union		0.4			1.2	0.8
57	Elimination of the UGL rate zone unregulated storage cost from EGD rate zone revenues	EGI		-			-	-
58	Miscellaneous	EGI		-			-	-
59	Total			<u>(30.9)</u>			<u>(24.7)</u>	<u>6.2</u>
60	Total Utility Revenue			<u>2,328.0</u>			<u>2,286.9</u>	<u>(41.2)</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Comparison of Delivery Revenue - Service Type & Rate Class - 2020 Actual & 2021 Actual

Line No.	Particulars (\$ millions)	<u>2020</u>			<u>2021</u>			2021 Actual Over/(Under) 2020 Actual (g) = (f-c)
		Actual			Actual			
		(a)	(b)	(c)	(d)	(e)	(f)	
	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>		
<u>General Service</u>								
1	Rate 1	912.6	20.0	932.6	920.6	16.4	937.0	4.4
2	Rate 6	284.9	109.7	394.6	288.5	106.4	394.9	0.3
3	Rate 9	-	-	-	-	-	-	-
4	Total - EGD Rate Zone	<u>1,197.5</u>	<u>129.7</u>	<u>1,327.2</u>	<u>1,209.1</u>	<u>122.8</u>	<u>1,331.9</u>	<u>4.7</u>
5	Rate M1	448.2	20.0	468.1	463.7	18.3	482.0	13.9
6	Rate M2	33.5	35.5	69.0	33.0	34.9	67.9	(1.1)
7	Rate 01	171.7	9.5	181.2	173.9	8.3	182.2	1.0
8	Rate 10	10.7	11.6	22.4	10.5	10.4	21.0	(1.4)
9	Total - Union Rate Zone	<u>664.1</u>	<u>76.6</u>	<u>740.7</u>	<u>681.1</u>	<u>71.9</u>	<u>753.1</u>	<u>12.4</u>
10	Total General Service	<u>1,861.6</u>	<u>206.3</u>	<u>2,067.9</u>	<u>1,890.2</u>	<u>194.7</u>	<u>2,084.9</u>	<u>17.1</u>
<u>Contract</u>								
11	Rate 100	0.6	0.9	1.5	0.6	1.4	2.0	0.5
12	Rate 110	2.6	23.9	26.5	2.6	28.6	31.2	4.7
13	Rate 115	0.3	5.1	5.4	-	5.4	5.4	-
14	Rate 125	-	11.5	11.5	-	11.9	11.9	0.4
15	Rate 135	0.1	1.2	1.3	0.2	1.4	1.5	0.2
16	Rate 145	-	1.1	1.1	-	1.7	1.7	0.6

Comparison of Delivery Revenue - Service Type & Rate Class - 2020 Actual & 2021 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2020</u>			<u>2021</u>			2021 Actual Over/(Under) 2020 Actual (g) = (f-c)
		Actual			Actual			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	0.1	2.4	2.5	0.1	2.8	2.9	0.4
18	Rate 200	3.1	1.4	4.5	3.2	1.6	4.9	0.4
19	Rate 300	-	0.1	0.1	-	0.1	0.1	-
20	Rate 315	-	-	-	-	-	-	-
21	Total - EGD Rate Zone	6.7	47.6	54.3	6.7	54.9	61.6	7.3
22	Rate M4	3.5	28.1	31.6	4.0	28.8	32.8	1.2
23	Rate M7	1.6	17.1	18.8	2.3	21.2	23.4	4.7
24	Rate M9	0.6	0.9	1.5	0.7	1.0	1.7	0.2
25	Rate M10	0.0	-	0.0	-	-	-	(0.0)
26	Rate 20	0.9	24.0	25.0	0.8	23.8	24.7	(0.3)
27	Rate 100	-	11.3	11.3	-	11.5	11.5	0.2
28	Rate T1	-	13.6	13.6	-	13.9	13.9	0.3
29	Rate T2	-	74.1	74.1	-	75.9	75.9	1.8
30	Rate T3	-	7.2	7.2	-	7.2	7.2	-
31	Rate M5	0.1	2.1	2.2	0.2	2.2	2.5	0.3
32	Rate 25	1.1	2.8	3.9	2.7	3.1	5.8	1.9
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	7.9	181.2	189.2	10.6	188.6	199.3	10.1
35	Total Contract	14.6	228.8	243.6	17.3	243.5	260.9	17.3
36	Subtotal	1,876.2	435.1	2,311.5	1,907.5	438.2	2,345.9	34.4

Comparison of Revenue - Service Type & Rate Class - 2020 Actual & 2021 Actual (Continued)

Line No.	Particulars (\$ millions)	2020			2021			2021 Actual Over/(Under) 2020 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(13.4)			(18.0)	(4.6)
38	Elimination of Prior Year Tax Variance	EGI		-			-	-
39	Accounting Policy Change	EGI		(14.0)			(16.2)	(2.2)
40	Average Use/ Normalized Average Consumption	EGD (1)		(2.5)			9.9	12.4
41	Dawn Access Cost	EGD		2.1			2.0	(0.1)
42	Incremental Capital Module	EGD		(0.3)			0.2	0.5
43	Prior Year Earnings Sharing Adjustment	EGD		-			-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-			-	-
45	Transactional Services Revenue	EGD		-			-	-
46	LRAM	EGD		-			-	-
47	Federal Carbon Program	EGD		0.6			0.7	0.1
48	Greenhouse Gas Emissions Administration	EGD		0.2			0.1	(0.1)
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-
50	Elimination of 2019 Gas Supply Plan Cost Consequences reversal	EGD		-			-	-

Comparison of Revenue - Service Type & Rate Class - 2020 Actual & 2021 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2020</u>			<u>2021</u>			2021 Actual Over/(Under) 2020 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
				<u>Total</u>			<u>Total</u>	
51	Average Use/ Normalized Average Consumption	Union (2)		6.7			16.0	9.3
52	Parkway Obligation Rate Variance	Union		-			-	-
53	Incremental Capital Module	Union		(5.6)			(14.0)	(8.4)
54	Capital Pass-through	Union		(1.1)			(4.4)	(3.3)
55	LRAM	Union		1.4			0.7	(0.7)
56	Federal Carbon Program	Union		1.2			1.5	0.3
57	Elimination of the UGL rate zone unregulated storage cost from EGD rate zone revenues	EGI		-			-	-
58	Miscellaneous	EGI		-			-	-
59	Total			<u>(24.7)</u>			<u>(21.5)</u>	<u>3.2</u>
60	Total Utility Revenue			<u>2,286.9</u>			<u>2,324.5</u>	<u>37.6</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Comparison of Delivery Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		Actual			Actual			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	920.6	16.4	937.0	982.7	15.1	997.8	60.8
2	Rate 6	288.5	106.4	394.9	319.0	114.6	433.6	38.7
3	Rate 9	-	-	-	-	-	-	-
4	Total - EGD Rate Zone	<u>1,209.1</u>	<u>122.8</u>	<u>1,331.9</u>	<u>1,301.7</u>	<u>129.6</u>	<u>1,431.4</u>	<u>99.5</u>
5	Rate M1	463.7	18.3	482.0	500.6	20.1	520.7	38.7
6	Rate M2	33.0	34.9	67.9	38.2	42.9	81.2	13.3
7	Rate 01	173.9	8.3	182.2	188.2	9.2	197.4	15.2
8	Rate 10	10.5	10.4	21.0	11.6	12.2	23.8	2.8
9	Total - Union Rate Zone	<u>681.1</u>	<u>71.9</u>	<u>753.1</u>	<u>738.6</u>	<u>84.4</u>	<u>823.0</u>	<u>69.9</u>
10	Total General Service	<u>1,890.2</u>	<u>194.7</u>	<u>2,085.0</u>	<u>2,040.3</u>	<u>214.1</u>	<u>2,254.4</u>	<u>169.5</u>
<u>Contract</u>								
11	Rate 100	0.6	1.4	2.0	0.7	1.6	2.3	0.3
12	Rate 110	2.6	28.6	31.2	3.6	32.9	36.5	5.3
13	Rate 115	-	5.4	5.4	0.0	6.8	6.9	1.5
14	Rate 125	-	11.9	11.9	-	12.2	12.2	0.3
15	Rate 135	0.2	1.4	1.5	0.2	1.4	1.6	0.1
16	Rate 145	-	1.7	1.7	0.1	1.6	1.7	(0.0)

Comparison of Delivery Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		Actual			Actual			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	0.1	2.8	2.9	0.1	3.4	3.5	0.6
18	Rate 200	3.2	1.6	4.9	3.3	1.5	4.8	(0.1)
19	Rate 300	-	0.1	0.1	-	0.1	0.1	(0.0)
20	Rate 315	-	-	-	-	0.0	0.0	0.0
21	Total - EGD Rate Zone	6.7	54.9	61.6	8.0	61.6	69.6	8.0
22	Rate M4	4.0	28.8	32.8	4.7	30.4	35.1	2.3
23	Rate M7	2.3	21.2	23.4	2.6	24.5	27.0	3.6
24	Rate M9	0.7	1.0	1.7	0.7	1.3	1.9	0.2
25	Rate M10	-	-	-	0.0	-	0.0	0.0
26	Rate 20	0.8	23.8	24.7	0.9	26.9	27.8	3.2
27	Rate 100	-	11.5	11.5	-	11.9	11.9	0.3
28	Rate T1	-	13.9	13.9	-	14.3	14.3	0.4
29	Rate T2	-	75.9	75.9	-	80.8	80.8	4.9
30	Rate T3	-	7.2	7.2	-	7.5	7.5	0.3
31	Rate M5	0.2	2.2	2.5	0.2	2.5	2.7	0.3
32	Rate 25	2.7	3.1	5.8	2.4	3.7	6.1	0.3
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	10.6	188.6	199.3	11.5	203.8	215.4	16.0
35	Total Contract	17.3	243.5	260.9	19.5	265.4	284.9	24.0
36	Subtotal	1,907.5	438.2	2,345.9	2,059.7	479.5	2,539.3	193.5

Comparison of Revenue - Service Type & Rate Class - 2021 Actual & 2022 Estimate (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(18.0)			(29.9)	(11.9)
38	Elimination of Prior Year Tax Variance	EGI		-			-	-
39	Accounting Policy Change	EGI		(16.2)			(2.8)	13.4
40	Average Use/ Normalized Average Consumption	EGD (1)		9.9			3.5	(6.4)
41	Dawn Access Cost	EGD		2.0			1.2	(0.8)
42	Incremental Capital Module	EGD		0.2			(6.9)	(7.1)
43	Prior Year Earnings Sharing Adjustment	EGD		-			-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-			-	-
45	Transactional Services Revenue	EGD		-			-	-
46	LRAM	EGD		-			0.1	0.1
47	Federal Carbon Program	EGD		0.7			0.9	0.2
48	Greenhouse Gas Emissions Administration	EGD		0.1			0.1	(0.0)
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-
50	Elimination of 2019 Gas Supply Plan Cost Consequences reversal	EGD		-			-	-

Comparison of Revenue - Service Type & Rate Class - 2021 Actual & 2022 Estimate (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	Actual (b)	(c)	(d)	Actual (e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
51	Average Use/ Normalized Average Consumption	Union (2)		16.0			6.4	(9.6)
52	Parkway Obligation Rate Variance	Union		-			(0.1)	(0.1)
53	Incremental Capital Module	Union		(14.0)			(2.0)	12.0
54	Capital Pass-through	Union		(4.4)			(2.9)	1.5
55	LRAM	Union		0.7			0.8	0.1
56	Federal Carbon Program	Union		1.5			2.0	0.5
57	Elimination of the UGL rate zone unregulated storage cost from EGD rate zone revenues	EGI		-			-	-
58	Miscellaneous	EGI		-			-	-
59	Total			<u>(21.5)</u>			<u>(29.8)</u>	<u>(8.3)</u>
60	Total Utility Revenue			<u>2,324.5</u>			<u>2,509.4</u>	<u>185.0</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Comparison of Delivery Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	982.7	15.1	997.8	1,025.2	16.4	1,041.6	43.8
2	Rate 6	319.0	114.6	433.6	331.1	117.9	449.0	15.4
3	Rate 9	-	-	-	-	-	-	-
4	Total - EGD Rate Zone	<u>1,301.7</u>	<u>129.6</u>	<u>1,431.4</u>	<u>1,356.3</u>	<u>134.3</u>	<u>1,490.6</u>	<u>59.2</u>
5	Rate M1	500.6	20.1	520.7	517.4	20.5	537.9	17.2
6	Rate M2	38.2	42.9	81.2	45.7	44.7	90.3	9.2
7	Rate 01	188.2	9.2	197.4	199.3	9.1	208.4	11.0
8	Rate 10	11.6	12.2	23.8	15.0	13.1	28.1	4.3
9	Total - Union Rate Zone	<u>738.6</u>	<u>84.4</u>	<u>823.0</u>	<u>777.3</u>	<u>87.4</u>	<u>864.7</u>	<u>41.7</u>
10	Total General Service	<u>2,040.3</u>	<u>214.1</u>	<u>2,254.4</u>	<u>2,133.6</u>	<u>221.6</u>	<u>2,355.3</u>	<u>100.9</u>
<u>Contract</u>								
11	Rate 100	0.7	1.6	2.3	0.7	1.2	1.9	(0.5)
12	Rate 110	3.6	32.9	36.5	3.3	29.9	33.2	(3.3)
13	Rate 115	0.0	6.8	6.9	0.0	6.4	6.5	(0.4)
14	Rate 125	-	12.2	12.2	-	12.5	12.5	0.3
15	Rate 135	0.2	1.4	1.6	0.1	1.3	1.4	(0.2)
16	Rate 145	0.1	1.6	1.7	0.0	1.5	1.5	(0.2)

Comparison of Delivery Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		Actual			Bridge Year			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	0.1	3.4	3.5	0.1	3.1	3.1	(0.4)
18	Rate 200	3.3	1.5	4.8	4.3	0.7	5.0	0.2
19	Rate 300	-	0.1	0.1	-	-	-	(0.1)
20	Rate 315	-	0.0	0.0	-	-	-	(0.0)
21	Total - EGD Rate Zone	<u>8.0</u>	<u>61.6</u>	<u>69.6</u>	<u>8.6</u>	<u>56.4</u>	<u>65.0</u>	<u>(4.6)</u>
22	Rate M4	4.7	30.4	35.1	4.4	31.1	35.5	0.4
23	Rate M7	2.6	24.5	27.0	2.4	25.6	28.0	0.9
24	Rate M9	0.7	1.3	1.9	0.7	1.3	1.9	(0.0)
25	Rate M10	0.0	-	0.0	-	-	-	(0.0)
26	Rate 20	0.9	26.9	27.8	1.0	27.9	28.8	1.0
27	Rate 100	-	11.9	11.9	-	11.4	11.4	(0.4)
28	Rate T1	-	14.3	14.3	-	14.4	14.4	0.1
29	Rate T2	-	80.8	80.8	-	79.3	79.3	(1.5)
30	Rate T3	-	7.5	7.5	-	7.8	7.8	0.3
31	Rate M5	0.2	2.5	2.7	0.2	2.5	2.7	0.0
32	Rate 25	2.4	3.7	6.1	0.3	4.1	4.4	(1.8)
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	<u>11.5</u>	<u>203.8</u>	<u>215.4</u>	<u>8.9</u>	<u>205.4</u>	<u>214.3</u>	<u>(1.1)</u>
35	Total Contract	<u>19.5</u>	<u>265.4</u>	<u>284.9</u>	<u>17.5</u>	<u>261.8</u>	<u>279.3</u>	<u>(5.6)</u>
36	Subtotal	<u>2,059.7</u>	<u>479.5</u>	<u>2,539.3</u>	<u>2,151.1</u>	<u>483.4</u>	<u>2,634.5</u>	<u>95.2</u>

Comparison of Revenue - Service Type & Rate Class - 2022 Estimate & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Estimate (g) = (f-c)
		Estimate	Estimate	Estimate	Bridge Year	Bridge Year	Bridge Year	
		(a)	(b)	(c)	(d)	(e)	(f)	(g) = (f-c)
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(29.9)			(13.2)	16.7
38	Elimination of Prior Year Tax Variance	EGI		-				-
39	Accounting Policy Change	EGI		(2.8)				2.8
40	Average Use/ Normalized Average Consumption	EGD (1)		3.5				(3.5)
41	Dawn Access Cost	EGD		1.2				(1.2)
42	Incremental Capital Module	EGD		(6.9)			6.9	13.8
43	Prior Year Earnings Sharing Adjustment	EGD		-				-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-				-
45	Transactional Services Revenue	EGD		-				-
46	LRAM	EGD		0.1				(0.1)
47	Federal Carbon Program	EGD		0.9				(0.9)
48	Greenhouse Gas Emissions Administration	EGD		0.1				(0.1)
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-				-
50	Elimination of 2019 Gas Supply Plan Cost Consequences reversal	EGD		-				-

Comparison of Revenue - Service Type & Rate Class - 2022 Estimate & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Estimate (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
51	Average Use/ Normalized Average Consumption	Union (2)		6.4			(2.4)	(8.8)
52	Parkway Obligation Rate Variance	Union		(0.1)				0.1
53	Incremental Capital Module	Union		(2.0)			1.2	3.2
54	Capital Pass-through	Union		(2.9)			(2.9)	0.0
55	LRAM	Union		0.8			(1.7)	(2.4)
56	Federal Carbon Program	Union		2.0				(2.0)
57	Elimination of the UGL rate zone unregulated storage cost from EGD rate zone revenues	EGL		-				-
58	Miscellaneous	EGL		-				-
59	Total			<u>(29.8)</u>			<u>(12.1)</u>	<u>17.8</u>
60	Total Utility Revenue			<u>2,509.4</u>			<u>2,622.4</u>	<u>113.1</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Comparison of Delivery Revenue - Service Type & Rate Class - 2023 Bridge Year & 2024 Test Year

Line No.	Particulars (\$ millions)	<u>2023</u>			<u>2024</u>			2024 Test Over/(Under) 2023 Bridge (g) = (f-c)
		Bridge Year			Test Year			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	1,025.2	16.4	1,041.6	1,029.2	14.8	1,044.0	2.4
2	Rate 6	331.1	117.9	449.0	330.5	116.6	447.1	(1.9)
3	Rate 9	-	-	-	-	-	-	-
4	Total - EGD Rate Zone	<u>1,356.3</u>	<u>134.3</u>	<u>1,490.6</u>	<u>1,359.7</u>	<u>131.4</u>	<u>1,491.1</u>	<u>0.5</u>
5	Rate M1	517.4	20.5	537.9	536.5	20.6	557.2	19.2
6	Rate M2	45.7	44.7	90.3	50.0	44.8	94.8	4.5
7	Rate 01	199.3	9.1	208.4	198.5	8.9	207.5	(0.9)
8	Rate 10	15.0	13.1	28.1	13.3	12.7	26.0	(2.1)
9	Total - Union Rate Zone	<u>777.3</u>	<u>87.4</u>	<u>864.7</u>	<u>798.3</u>	<u>87.1</u>	<u>885.4</u>	<u>20.8</u>
10	Total General Service	<u>2,133.6</u>	<u>221.6</u>	<u>2,355.3</u>	<u>2,158.0</u>	<u>218.5</u>	<u>2,376.6</u>	<u>21.3</u>
<u>Contract</u>								
11	Rate 100	0.7	1.2	1.9	0.7	1.2	1.9	(0.0)
12	Rate 110	3.3	29.9	33.2	3.3	29.9	33.2	(0.1)
13	Rate 115	0.0	6.4	6.5	0.0	6.4	6.4	(0.0)
14	Rate 125	-	12.5	12.5	-	12.5	12.5	-
15	Rate 135	0.1	1.3	1.4	0.1	1.2	1.3	(0.1)
16	Rate 145	0.0	1.5	1.5	0.0	1.5	1.5	0.0

Comparison of Delivery Revenue - Service Type & Rate Class - 2023 Bridge Year & 2024 Test Year (Continued)

Line No.	Particulars (\$ millions)	<u>2023</u>			<u>2024</u>			2024 Test Over/(Under) 2023 Bridge (g) = (f-c)
		Bridge Year			Test Year			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	0.1	3.1	3.1	0.1	3.1	3.1	0.0
18	Rate 200	4.3	0.7	5.0	4.4	0.7	5.0	0.0
19	Rate 300	-	-	-	-	-	-	-
20	Rate 315	-	-	-	-	-	-	-
21	Total - EGD Rate Zone	8.6	56.4	65.0	8.6	56.3	64.9	(0.1)
22	Rate M4	4.4	31.1	35.5	4.4	31.9	36.4	0.9
23	Rate M7	2.4	25.6	28.0	2.0	27.8	29.8	1.9
24	Rate M9	0.7	1.3	1.9	0.7	1.3	1.9	-
25	Rate M10	-	-	-	-	-	-	-
26	Rate 20	1.0	27.9	28.8	1.0	28.4	29.4	0.6
27	Rate 100	-	11.4	11.4	-	11.8	11.8	0.4
28	Rate T1	-	14.4	14.4	-	14.4	14.4	0.0
29	Rate T2	-	79.3	79.3	-	79.8	79.8	0.5
30	Rate T3	-	7.8	7.8	-	7.8	7.8	0.0
31	Rate M5	0.2	2.5	2.7	0.3	2.5	2.8	0.0
32	Rate 25	0.3	4.1	4.4	0.3	4.6	4.9	0.5
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	8.9	205.4	214.3	8.6	210.5	219.1	4.8
35	Total Contract	17.5	261.8	279.3	17.2	266.7	284.0	4.7
36	Subtotal	2,151.1	483.4	2,634.5	2,175.3	485.3	2,660.5	26.0

Comparison of Revenue - Service Type & Rate Class - 2023 Bridge Year & 2024 Test Year (Continued)

Line No.	Particulars (\$ millions)	<u>2023</u>			<u>2024</u>			2024 Test Over/(Under) 2023 Bridge (g) = (f-c)
		Bridge Year			Test Year			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(13.2)			-	13.2
38	Elimination of Prior Year Tax Variance	EGI		-			-	-
39	Accounting Policy Change	EGI		-			-	-
40	Average Use/ Normalized Average Consumption	EGD (1)		-			-	-
41	Dawn Access Cost	EGD		-			-	-
42	Incremental Capital Module	EGD		6.9			-	(6.9)
43	Prior Year Earnings Sharing Adjustment	EGD		-			-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-			-	-
45	Transactional Services Revenue	EGD		-			-	-
46	LRAM	EGD		-			-	-
47	Federal Carbon Program	EGD		-			-	-
48	Greenhouse Gas Emissions Administration	EGD		-			-	-
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-
50	Elimination of 2019 Gas Supply Plan Cost Consequences reversal	EGD		-			-	-

Comparison of Revenue - Service Type & Rate Class - 2023 Bridge Year & 2024 Test Year (Continued)

Line No.	Particulars (\$ millions)	<u>2023</u>			<u>2024</u>			2024 Test Over/(Under) 2023 Bridge (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
				<u>Total</u>			<u>Total</u>	
51	Average Use/ Normalized Average Consumption	Union (2)		(2.4)			-	2.4
52	Parkway Obligation Rate Variance	Union		-			-	-
53	Incremental Capital Module	Union		1.2			-	(1.2)
54	Capital Pass-through	Union		(2.9)			-	2.9
55	LRAM	Union		(1.7)			-	1.7
56	Federal Carbon Program	Union		-			-	-
57	Elimination of the UGL rate zone unregulated storage cost from EGD rate zone revenues	EGI		-			-	-
58	Miscellaneous	EGI		-			-	-
59	Total			<u>(12.1)</u>			<u>-</u>	<u>12.1</u>
60	Total Utility Revenue			<u>2,622.4</u>			<u>2,660.5</u>	<u>38.1</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 2, Schedule 2, page 29

Preamble:

EGI's Guidehouse Report states: *In addition to this a majority of the comparator utilities (unlike EGI) are also subject to some mechanism that provides bilateral protection to customers and utilities from the natural volatility of weather (HDD) around its projected mean value. Such mechanisms are not always symmetric: under-collection variance recovery is capped for half of the utilities where the mechanism exists. No such mechanism is in place for EGI.*

Question(s):

Please summarize the mechanisms for the half of the utilities where the variance recovery is capped exists including:

- a) Parameters
- b) Off-setting or mitigating attributes of their respective rate construct

Response:

The following response was provided by Guidehouse:

- a) Under-collection variance recovery is capped for utilities B, C, E, and G. The parameters for the mechanisms used for these comparators are:
 - i. Utility B: Where revenue under-collection compared to the benchmark exceeds 3% of total revenue from firm sales (for the given customer class) in the prior year (for the same season), funds in excess of the 3% threshold are carried over to the next year. The 3% threshold is asymmetric and applies only to cases of under-collection. Where average observed revenue per customer is less than benchmark revenue per customer, there appears to be no similar rule in place imposing a ceiling on customer credits.

- ii. Utility C: Where there is under-collection, a surcharge is applied to customers in the subsequent 12 months. The aggregate surcharge may not exceed 10% of authorized revenues.
 - iii. Utility E: Under-collection recovered by the utility is capped, with the cap determined as a function of the utility's legislated DSM targets.
 - iv. Utility G: Revenue deficiency recovery amounts are capped such that any recovery charges cannot result in the utility earning a rate of return on common equity in excess of its approved percentage.
- b) In its analysis, Guidehouse reviewed only revenue stability mechanisms within the context of forecast uncertainty. A review of the utility rate constructs was not in scope for the volume forecasting benchmarking study and so was not conducted. Consequently, Guidehouse cannot provide a description of off-setting or mitigating attributes of these rate constructs.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 2, Schedule 5

Preamble:

On pg. 4, EGI evidence states: *Unavailability of the historical meter reading heating degree days for the Union rate zones made using the calendarized data an optimal choice for Enbridge Gas.*

Question(s):

What period was unavailable?

- a) What percentage meter readings were missing?
- b) What does calendarized mean and how was the missing data determined to make it calendarized?

Response:

Enbridge Gas believes that the statement in Exhibit 3, Tab 2, Schedule 5, page 4 may have potentially been misinterpreted. To provide additional clarity, it is not meter reading billed consumption that is unavailable but rather meter reading heating degree days.

Meter reading heating degree days are determined by combining the Gas Supply heating degree days with the billing schedules and customer count (unlocks). Both historical and forecast meter reading degree days are required for the EGD rate zone OEB-approved average use forecast. Union rate zones did not require the calculation of meter reading degree days because the Union rate zones use calendarized data in the OEB-approved volumetric/average use forecasting. Given this, meter reading degree days for the Union rate zones are not available for the period 2006-2024.

- a) For the reason noted above, meter reading degree days for the Union rate zones are not available for the period 2006 to 2024.

- b) Calendarization is a monthly reporting process that estimates the total billed volume as if the entirety of meters were read and billed for a calendar month instead of by cycle. The calendarized volume is the result of billed consumption plus unbilled consumption for the related month minus the previous month's unbilled consumption.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 2, Schedule 5, Attachment 1, pg.2 & 5

Preamble:

EGI's evidence states: *To determine an appropriate harmonized base temperature, Enbridge Gas conducted an analysis similar to what was provided to the OEB when the current base temperatures for EGD were approved. Based on the analysis summarized in Table 1, a 15°C is found to be the most appropriate base temperature for calculating degree days. This conclusion is reached based on regression analysis and the regression results from that analysis. The results used to reach this conclusion include R-squared, Mean Absolute Percent Error (MAPE) and Root Mean Square Error (RMSE). As explained in the sections below high R-squared values and lower MAPE and RMSE values support this proposal. Enbridge Gas proposes to use 15°C in the calculation of its HDD starting in 2024.*

It is not clear to the reader what analysis was done. We would like to understand this analysis undertaken beyond the summary outputs provided.

Question(s):

Please describe the analysis undertaken including:

- a) What is the determinant variable whose error is being measured?
- b) If it is an assessment of forecasted consumption versus actual given a defined base temperature, please describe:
 - i. Was baseload used for the analysis for all evaluations? Please explain why or why not.
 - ii. If baseload was not used, how were the summer months treated for resulting error assessment?
- c) If this error assessment is focused on a different measurable, please describe in detail.

- i. Please provide the evidentiary reference to the previous evidence and approval by the Board.
- d) Please explain specifically how this analysis and the regression that was done can *determine the precise base temperature below which natural gas is required for heating purposes* (pg. 5).

Response:

Prior to developing its proposed average use models, Enbridge Gas undertook research to determine an appropriate harmonized base temperature to be used in its calculation of HDDs. Enbridge Gas examined the analysis: 1) filed in E.B.R.O 487, Exhibit C2, Tab 7, Schedule 1, 2) performed by Distribution Optimization Engineering (DOE) and Transmission System Planning (TSP) teams, 3) filed by other utilities. Enbridge Gas also performed the analysis provided at Exhibit 3, Tab 2, Schedule 5, Attachment 1.

Enbridge Gas's DOE and TSP teams examined the correlation between usage and heating degree days for some of the cities in the Union South and North weather zones (Thunder Bay, Sudbury, Kingston and London). Their analysis supported using a lower base temperature than 18°C as it reduces the negative base load issue significantly. Please see response at Exhibit I.4.2-FRPO-119. In its research, Enbridge Gas also found that Toronto Hydro-Electric System Limited (THESL) also uses a different base temperature than 18°C in its OEB approved load forecasting. Please see Attachment 1 for THESL's proposal to utilize a base temperature of 10°C.

Using the research results and those analysis as a starting point, Enbridge Gas performed additional analysis to determine an appropriate base temperature for its selection of harmonized base temperature. The analysis provided at Exhibit 3, Tab 2, Schedule 5, Attachment 1 uses two approaches to determine an appropriate harmonized base temperature.

First, Enbridge Gas plotted and evaluated the relationship between monthly consumption (volumes) and monthly average temperature against each other for the period of January 2006 to December 2020. Figures 1 and 2 provided at Exhibit 3, Tab 2, Schedule 5, Attachment 1, pages 4 to 5 clearly illustrate that, on average consumption starts to increase when temperatures fall below 15°C, not 18°C.

Secondly, Enbridge Gas looked at the relationship between monthly consumption (volumes) and the HDDs based on various base temperatures (from 10°C to 18°C) to test their performance in the regression models. The models containing HDD based on 15°C (HDD15) demonstrated the best statistical result. These results were provided at Exhibit 3, Tab 2, Schedule 5, Attachment 1, Tables 3 to 8 on pages 6 to 9.

Adding to the statistical results of regression, Enbridge Gas also compared the accuracy results for each equation provided in Tables 3 to 8, and the accuracy statistics along with R-squared statistics were summarized in Table 1.

Results from all this undertaken research and performed analyses supported using a base temperature of 15°C in calculating HDDs and in forecasting average use/volumes generates more accurate results.

- a) Table 1 in the referred evidence represents the error statistics from the regression that estimates the relationship between Enbridge Gas's monthly consumption (volumes) and the HDDs created based on various base temperatures (from 10°C to 18°C). The purpose of this exercise is to determine the HDD that generates the most accurate consumption forecast and results show that base temperature used in calculation of HDD should be shifted to 15°C for better modeling of Enbridge Gas volumes/average uses.
- b)
 - i.-ii. Baseload was not used for the analysis. However, the resulting baseload from the proposed models were reviewed for reasonableness.
- c) The error assessment and accuracy statistics provided at Exhibit 3, Tab 2, Schedule 5, Attachment 1, Table 1, was used to determine the base temperature used in calculation of HDD for better modeling of average use. Enbridge Gas's proposed average use forecast and how the proposed HDD15 is used in models has been explained in detail in Exhibit 3, Tab 2, Schedule 5.
 - i. Please see Attachment 2.
- d) Please see part a).

1 **LOADS, CUSTOMERS AND REVENUE**

2

3 The purpose of this evidence is to present the Company’s load, customer and distribution
 4 revenue forecast for the test year. The detailed load forecasts by rate class are shown at
 5 Exhibit K1, Tab 3, Schedules 1 to 3. Forecasts of customers by rate class are shown in
 6 Exhibit K, Tab 4, Schedules 1 to 2. Forecast of distribution revenues by rate class are
 7 shown at Exhibit K, Tab 6, Schedules 1 to 3.

8

9 Table 1 below provides a summary of the loads, revenues, and customer forecasts. The
 10 revenue forecast is calculated based on proposed distribution rates, excluding commodity,
 11 and excluding rate riders.

12

13 **Table 1: Total Load, Revenues and Customers**

14

Year	Total GWh	Total MVA	Total Distribution Revenue (\$M)	Total Customers
2006 Actual	26,765	43,748	\$441.2	679,249
2007 Actual	26,394	43,462	\$438.7	681,062
2008 Actual	26,214	43,201	\$482.4	685,282
2009 Bridge	26,056	43,454	\$491.8	691,400
2010 Test	25,755	42,949	\$540.5	697,702

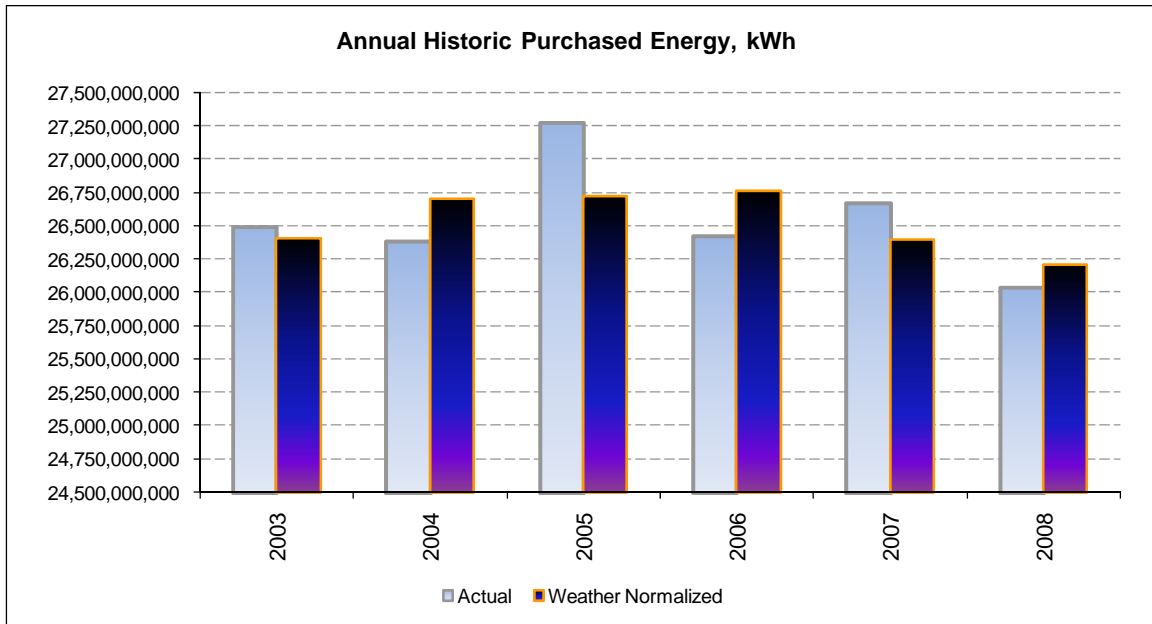
Notes:

1. Total GWh are purchased GWh, and are weather normalized to Test Year heating and cooling assumptions.
2. Total kVA are weather normalized kVA
3. Distribution Revenue is weather normalized and does not include adjustment for Transformer allowance.
4. Total Customers are as of year-end and exclude streetlighting and unmetered load connections.

1 **HISTORICAL LOADS**

2 Historical and total system load (actual and weather-normalized) for THESL is illustrated
 3 in Figure 1 below.

4



5

6 **Figure 1: Historical Purchased Energy**

7

8 Since 2007, there has been a significant decrease in consumption. Table 2 below shows
 9 normalized loads and annual growth. Essentially flat growth over the 2004-2006 period
 10 has been replaced by declining loads over the 2007-2008 period. While it is difficult to
 11 precisely attribute this decline to any particular event, THESL believes that the impact of
 12 conservation activities – both program driven and naturally occurring conservation – is
 13 playing a role. More recently, economic conditions are also likely having an impact, and
 14 perhaps even reinforcing conservation activities.

1 **Table 2: Historical Annual Load**

Year	Normalized GWh	Growth GWh	Percent Change (%)
2003	26,406		
2004	26,706	299	1.1%
2005	26,723	17	0.1%
2006	26,765	42	0.2%
2007	26,394	(371)	(1.4)%
2008	26,214	(181)	(0.7)%

2

3 Table 3 below shows THESL’s Board-approved load forecast for 2008 and 2009
 4 compared to 2008 actuals and 2009 forecast. The 2009 forecast includes four months of
 5 actual loads. Over the two years, loads have been and are expected to be about 1.65
 6 percent lower than previously forecast. Because the trend in lower loads is relatively
 7 recent, THESL’s previous load forecasts did not have an opportunity to incorporate these
 8 negative trends.

9

10 **Table 3: Board-Approved vs. Actual Purchased Energy Forecast**

Year	Board-Approved GWh	Actual GWh	Variance (%)
2008	26,445.8	26,039.8	(1.5)%
2009	26,419.6	25,933.5	(1.8)%

11

12 **LOAD FORECAST METHODOLOGY**

13 The Company’s revenue and load forecast is developed using multifactor regression
 14 techniques that incorporate historical load, weather, and economic data. Energy forecasts
 15 are developed for each rate class separately. Total system load is summed from the
 16 individual rate class loads. Demand at the system and rate class level is based on
 17 historical relationships between energy and demand. The forecast of customers by rate
 18 class is determined using time-series econometric methodologies. Revenues are
 19 determined by applying the proposed distribution rates to the rate class billing

1 determinants for the forecast period.

2

3 **KWh Load Forecast**

4 The process of developing a model of energy usage involves estimating multifactor
 5 models using different input variables to determine the best fit. Based on *a priori*
 6 assumptions about which input variables will impact energy use, different models were
 7 fit. Using stepwise regression techniques different explanatory variables were tested with
 8 the ultimate model being determined based on model statistics and judgement.

9

10 The kWh load forecast is developed using multifactor regression models for each rate
 11 class. Previously, THESL forecasted system load at an aggregate level, and then
 12 allocated loads to each rate class based on historical load shares. The updated
 13 methodology allows for greater detail in modelling loads, and allows for different
 14 variables and coefficients to be modelled for different rate classes. For example, while
 15 heating and cooling degree days impact both Residential and Large User loads, the
 16 degree to which they impact these rate classes is different. In modelling total system
 17 loads, this difference is “averaged” in the determination of the coefficients. Modelling
 18 the rate classes separately allows for the different interactions to be modelled
 19 independently.

20

21 The structures of the models for each rate class are generally the same, however different
 22 independent variables have been used depending on which variables best fit the models.
 23 The following table summarizes the variables included in each of the rate class energy
 24 models. All of the regression models use monthly kWh per day as the dependent
 25 variable, and monthly values of independent variables from July 2002 through to the
 26 latest actual values (April 2009) to determine the monthly regression coefficients.

1 **Table 4: Regression Variables by Rate Class**

Residential	GS<50	GS 50-999kW	GS 1000-4999kW	Large Users	Unmetered Load	Street lighting
HDD10 per day	HDD10 per day	HDD10 per day	HDD10 per day	HDD10 per day	Extrapolation model used	11 monthly dummy variables: January to December (excluding March)
CDD per day	CDD per day	CDD per day	CDD per day	CDD per day		Intercept term
Toronto City Population	Dew Point Temperature	Dew Point Temperature	Dew Point Temperature	Dew Point Temperature		
Linear Trend (July 2002)	Business Days Percentage	Business Days Percentage	Business Days Percentage	Business Days Percentage		
Blackout dummy	Toronto City Population	Number of GS 50-1000 kW customers	Number of GS 1-5 MW customers	Linear Trend (January 2007)		
Intercept term	Number of GS<50 kW customers	Blackout dummy	Linear Trend (January 2007)	Blackout dummy		
	Linear Trend (July 2002)	Intercept term	Blackout dummy	Intercept term		
	Blackout dummy		Intercept term			
	Intercept term					

Note: For USL, relatively stable loads suggested extrapolation model was best for forecasting loads.

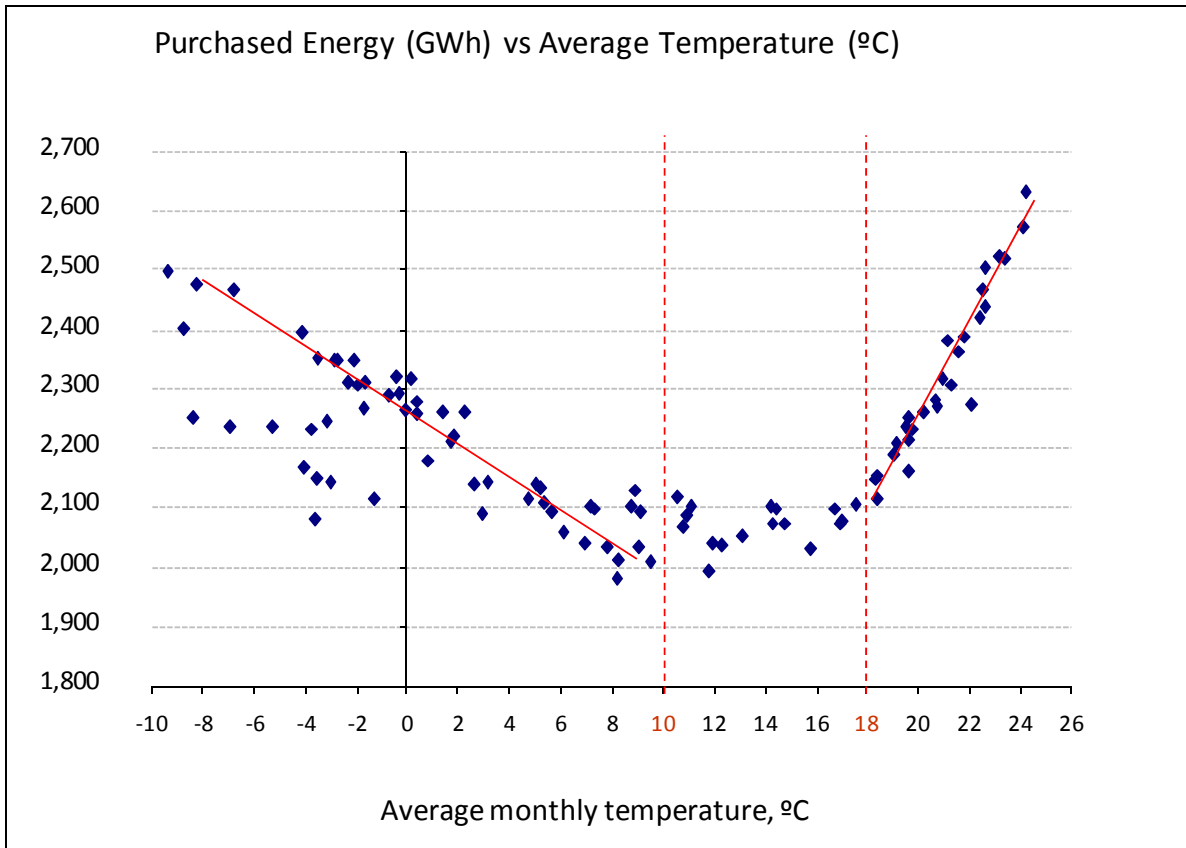
1 The main drivers of load growth over time are economic conditions, while the primary
2 driver of year-over-year changes is weather. Both of these effects are captured within the
3 multifactor regression model.

4

5 Economic conditions are captured in the model by the customer, population, and time
6 trend variables. Population and customer variables capture overall levels of economic
7 activity, and were found to be statistically significant in the Residential, GS <50 kW,
8 GS 50-999 kW and GS 1000-4999 kW class models. The time trend variable, which is
9 used in the Residential, GS <50 kW, GS 1000-4999 kW and Large Users models, is
10 intended to capture the impacts which are being seen in the decline in loads for those
11 sectors. One of the significant drivers of these decreases is believed to be the impact of
12 conservation – natural and program delivered, within THESL’s territory.

13

14 Weather impacts on load are apparent in both the winter heating season, and in the
15 summer cooling season. For that reason, both Heating Degree Days (“HDD” – a measure
16 of coldness in winter) and Cooling Degree Days (“CDD” – measure of summer heat) are
17 modelled. In analysing load patterns against temperature data, THESL determined that
18 the standard definition of HDD which uses 18 degree Celsius as the point at which loads
19 start to be impacted by temperature was not as effective as a measure which uses 10
20 degree Celsius as the “balance point”. The following figure shows the relationship
21 between temperatures and loads.



1
2
3
4
5
6
7
8
9
10
11
12
13

Figure 2: Purchased Energy vs Average Temperature

In addition to the Degree Day/Load historical analysis, HDD were calculated based on various base temperatures (5, 8, 10, 12, and 15 degree Celsius) to test their performance in the regression models. The models containing HDD based on 10-degree Celsius demonstrated the best statistical results.

To better explain weather impacts, dew point temperature was also included as an additional variable for almost all customer classes (excluding Residential, Street Lighting and Unmetered Scattered Loads). This variable captures the impact of humidity on consumption, and shows a positive impact of temperature on loads during summer months and negative during winter months.

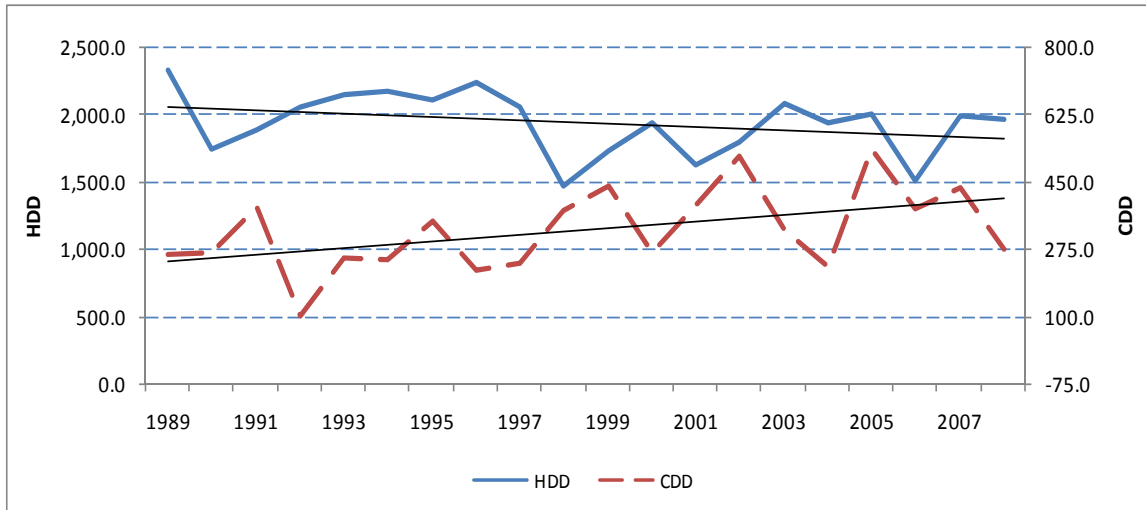
1 The third main factor determining energy use in the monthly model can be classified as
2 “calendar factors”. For example, the number of business days in a month will impact
3 monthly load. To capture different number of days in the calendar months the modelling
4 of purchased energy was performed on per-day basis. To reflect different number of
5 business days in the month and, consequently, different number of peak hours, business
6 days percentage was used in the class models. One dummy variable was included to
7 reflect the impact of the 2003 August blackout on energy use in that month.

8

9 Exhibit K1, Tab 2, Schedule 1 contains the historical and forecast load and input variable
10 details. The model statistics are shown in Exhibit K1, Tab 2, Schedule 2.

11

12 From the regression models, the forecast of energy usage is determined by applying the
13 model coefficients to forecasts of the input variables. The forecast for heating, cooling
14 degree-days and dew-point temperature inputs is based on a ten-year historical average of
15 HDD, CDD and Dew Point. A ten-year average was chosen over the 30-year average
16 based on analysis of the annual HDD and CDD data that shows a definite trend (see
17 Figure 3 below). The forecast of Toronto City population and customer numbers were
18 derived using various extrapolation techniques (Holt-Winters model and historic linear
19 trend extrapolation). The forecasts of the calendar variables are based on the 2009-2010
20 calendars.



1

2 **Figure 3: Historic CDD and HDD**

3

4 **Peak Demand Forecast**

5 The forecast of peak demand by customer class, which is used to determine revenue for
 6 those customers billed on a demand basis, is established using historical relationships
 7 between energy and demand.

8

9 **CDM Impact on kWh and kW Forecast**

10 The load forecast as described above does not explicitly take into account any load
 11 impacts arising from CDM programs undertaken by THESL. However, the inclusion of
 12 the time trend variables does capture the impacts of conservation – both natural
 13 conservation and CDM program conservation. No additional adjustments for CDM are
 14 thus required.

15

16 **Customer Forecast**

17 Customer additions in the company’s operating area have been fairly flat over recent
 18 history, with about 3,500 to 4,500 new customers (excluding Unmetered loads and
 19 streetlighting) added annually. The forecast of new customers is primarily based on
 20 extrapolation models for each rate class.

1 The forecast of customers for the residential sector in 2009 through 2010 includes an
 2 estimate for new individually-metered condominium suites, as well as the conversion of
 3 some condominiums from bulk-metered to individual suite-metering. The following
 4 table provides the detail on the number of new suite metered customers expected over the
 5 2009/2010 period. These numbers are included in the total residential customer forecast.

6
 7 **Table 5: Individually-Metered Suites**

Year	Individually-Metered Suites (cumulative)
2007 Actual	1,563
2008 Actual	2,705
2009	4,964
2010	8,564

8
 9 The detailed forecast of customers by rate class is found in Exhibit K1, Tab 4, Schedule
 10 1.

Heating Load Model Analysis

1 Executive Summary

This paper explains the analysis and development of a better model for estimating heating loads, and for normalizing actuals for comparison to forecasts. The model was developed through an extensive investigation into the relationship of the conventional heating load model based on heating degree days calculated from an outside temperature of 18°C to actual observed heating loads using load research customer sample data and detailed analysis of historical customer billing data. This new model is calibrated to the observed relationships between temperature and heating using customer billing data, rather than using an assumed relationship based on a temperature base of 18°C. The calculated balance points developed from customer billing data were compared to the balance points using load research sample data for confirmation of the proposed method.

This proposed method is called the balance point degree day method. This refers to the fact that rather than assuming a heating load starts at 18 °C, the actual temperature at which heating load occurs is calculated from billing records. This analysis has no impact on the Ontario Energy Board's approved degree days forecasting methodology, it only varies the sales response to those degree days.

Analysis of customer bills and load research customer data by the three weather zones found that each zone has unique balance points of 14.8, 14.6, and 15.3 for Central Zone, Eastern Zone, and Niagara Zone respectively. These balance points are more appropriate for estimating heating loads than using an assumed base of 18 °C.

2 Introduction

The Company regularly reviews its procedures for setting volumetric forecasts and normalization of actual volumes to those forecasts in its ongoing effort to improve. Heating demand is currently estimated and normalized using the classic engineering model for heating end uses. This model assumes that the demand for heat increases uniformly as the temperature drops below 18°C. Technical literature¹ suggests that this is not necessarily so, and refinements can be developed to improve the performance of the heating load model.

¹ 1989 ASHRAE Handbook Fundamentals SI Edition (ISBN 0-910110-57-3), American Society of Heating, Refrigerating, and Air Conditioning Engineers, Inc. Atlanta, Ga. ch. 28

Canadian Climate Normals 1951 - 1980 Volume 4, Environment Canada, Atmospheric Environment Service, Ottawa, On.

Heating Load Model Analysis

Advances in technology have enabled the Company to research the appropriateness of the model and propose improvements to it. This research was undertaken by the Load Research section of the Rates department and has been enabled through end-use metering. The result of this work is a statistically adjusted engineering model calibrated to the different heating markets.

3 The Heating Load Model

The conventional heating load model is a simple linear model founded on the basic energy flow equation:

$$Q = U\Delta E \quad (1)$$

In this equation, the quantity flowing Q is equal to the product of a constant value U and an energy differential ΔE . This equation underpins many basic behaviours, such as electrical flow through wire and gas flow through pipe. Such equations are called linear for they explain increases in flow as a uniform response to increases in the energy differentials. That is to say, in a gas distribution pipe, flow will uniformly increase as the pressure differential increases.

Applying this equation in a simple manner to heating load, the equation becomes:

$$Q = U\Delta T \quad (2)$$

Where: Q is the quantity of gas demanded

U is a constant

$$\Delta T = (T_i - T_o) \quad (3)$$

and; T_i is the inside temperature of a building

T_o is the outside temperature of a building

This equation 2, the heating load model, expresses heating load as a linear relationship with the temperature differential $(T_i - T_o)$. With such a model, the *increase* in natural gas usage will be the same for a temperature change from 8°C to 7°C as for a change from -8°C to -9°C. The model is constrained so that $Q = 0$ for T_o greater than T_i .

4 Analysis of the Model

The model expressed by equation 2 conceptually is a relationship between average natural gas demand for heating use per temperature and temperature. This analysis of the model, and suggestions for improvements, is based on understanding its two components, the variable temperature differential ΔT , and the constant U .



Heating Load Model Analysis

Through load research the outside temperature and furnace load can be independently observed and from those observations improvements have been suggested.

The Temperature Differential

The temperature differential, when calculated on a differential referenced to a standard base temperature, is called heating degree days. Heating degree days is a measure of coldness and takes into account that resistance to heat flow out of a building is impeded by the insulation in the building's envelop. It has been historically assumed at Consumers Gas that because of insulation, an outside temperature below 18°C is needed for heating load demand. Thus degree days are calculated from 18°C rather than from the inside temperature of a structure as stated in equation 3. This means that, on a day when the outside temperature averages 17°C, one degree day is calculated.

The temperature below which heating load begins is referred to as the balance point. This refers to the fact that the energy flows into and out of the structure are in balance: no additional heating is required to maintain the inside temperature.

The Constant

For a specific building, the constant will reflect that building's heat energy efficiency, and the characteristics of the use of the building. For example, the energy efficiency of a home will reflect, among other things: the efficiency rating of the furnace, the level of maintenance of the furnace, and the building code, which is a reflection of the standard for insulation to which the house was built. For the same home, characteristics such as: thermostat setting, number and age of occupants, and size, number, and level of use of other sources of heat gain (stoves, showers, other appliances) are typical factors that affect the constant. Although these factors can change, it is assumed in the model that, for the period of time analyzed, they do not change to any significant degree.

The constant factor is called the "average use per degree day".

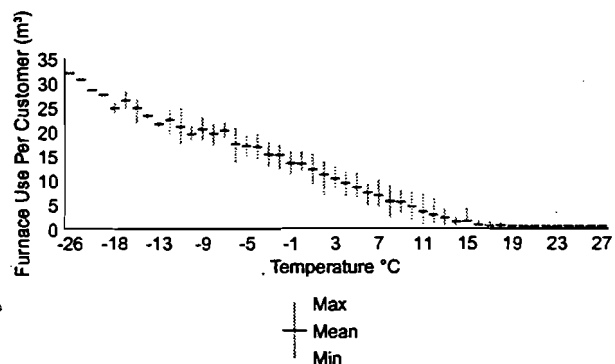
Observations

Observations of sample data on furnace loads from load research show that the assumption: natural gas demand for heating is linear with temperature, is essentially correct as illustrated in Figure 1. In this figure the actual average furnace loads from a sample of customers with end use metering is shown. In this plot the observed range between the average highs and lows for furnace loads at each temperature are illustrated as well as the means.

By observing the means, a near linear progression of increased furnace load as the

Figure 1

Furnace Load vs Temperature



Note: Data based on a sample of Central Zone



Heating Load Model Analysis

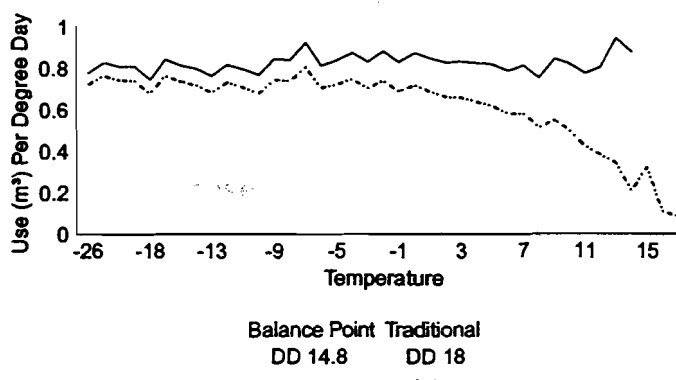
temperature declines can be seen. This actual relationship lends support to the assumption employed in the model that use is linear with respect to temperature.

However, this graph also illustrates that heating load essentially becomes zero around 15°C, as opposed to 18°C, as assumed for the purposes of determining heating degree days in the model. This shows that the model should employ a balance point other than 18°C.

Figure 2 presents this latter point from a use per degree day perspective using load research data of actual customer heating demands. This figure is a plot of the average use per degree day arising from the sample. The research data indicates that use per degree day is close to constant when a balance point of 14.8 degree days is used. When 18°C is used to define the balance point, the results are not constant.

Figure 2

Heating Use per Degree Day vs Temperature



Note: Data based on a sample of Central Zone

These observations displayed in figure 1 and figure 2, which are derived from the actual monitored uses, illustrate that a balance point of 18°C is an incorrect assumption for the average heating response, and will therefore lead to a model that is not as accurate as it would be with a more appropriate balance point. This is because response is non-linear when referenced from 18°C.

5 Recommended Model Refinement

Based on the above observations, analysis was undertaken to develop a method that would yield a more linear relationship between consumption and degree days. This analysis resulted in a method whereby heating responsive degree days reflect the observed balance point in the Company's markets, yielding a near linear relationship between use and temperature. This method is referred to as the balance point methodology. A methodology was developed to implement this approach to the forecasting and normalizing processes of the Company. The proposed methodology does *not* change the Ontario Energy Board's approved weather forecasting methodology. It merely changes the assumed temperature at which heating load will be estimated to begin.

Heating Load Model Analysis

Balance Point Degree Days

The recommended refinement is called the balance point degree day method. This method uses historical customer billing data to calculate the correct balance point and the appropriate constant - the average use per degree day. The method is a simple iterative process where a regression of average use versus temperature below an assumed balance point is compared to another similar regression. The difference between the two regressions is that the assumed balance point is lower in one than the other. As the assumed balance point drops from 18°C, the relationship between heating load and temperature becomes more linear. When the relationship specified in the regressions begins to deteriorate, the balance point in that equation is then considered to be below optimal for the market and no further reductions are regressed. At this point the optimal balance point for the purposes of determining degree days has been found. The correct balance point is the balance point for the regression with the best fit.

Heating loads by weather zone were developed from analysis of historical customer billing data and compared to the recorded zone weather for the billing period. Significant differences in average balance points were found between the three Zones: Central, Eastern and Niagara. Table 1 lists the proposed balance points by Zone:

Table 1

Proposed Balance Points	
Zone	Balance Point
Central	14.8
Eastern	14.6
Niagara	15.3

These points are the weighted average balance points for the last five years. They will be reviewed annually and as long as the balance point remains within two standard errors (which is approximately ± 0.3 °C), no change to these balance points will be proposed in future applications. Only when the five year weighted average of a balance point falls outside this range will a change be proposed. This approach has been confirmed as stable and reasonable through historic analysis over time.

Average Use per Degree Day

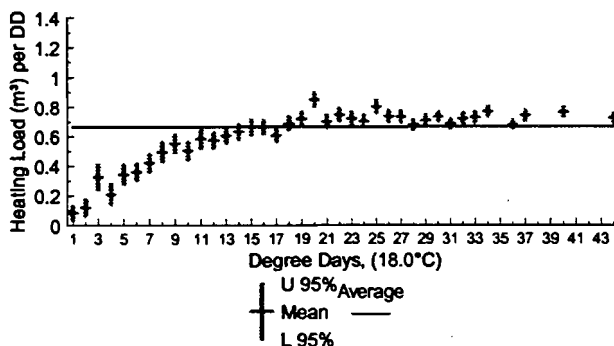
The development of average use per degree day is based on historical customer billing data. Annual heating use developed from customer billing data divided by incurred degree days derives the average use per degree day.



Heating Load Model Analysis

Figure 3 is a plot of average use per degree days versus degree days based on 18°C using customer sample data. The range between the upper and lower sample accuracy bounds at 95% confidence are indicated. The means are also indicated on this plot. This curved plot shows that when heating load is assumed to start at 18°C, a non-linear relationship exists between use per degree day and degree days. The average value is 0.66 m³ per degree day and is illustrated by the horizontal line. As can be seen, the constant, or average, will over estimate at some temperatures and under estimate at other. Such a relationship will cause estimating and normalizing problems unless it is taken into account in some other less statistical fashion.

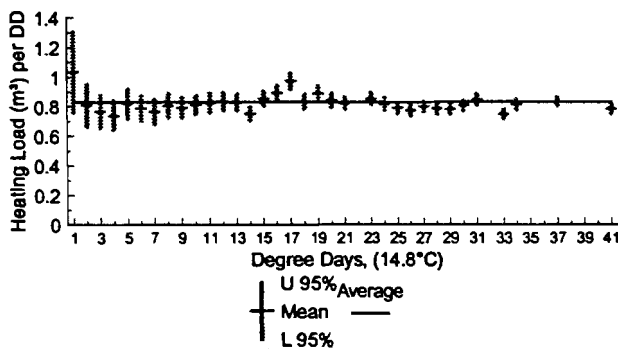
Figure 3
Use per Degree Days vs Degree Days
 (Degree Days base 18°C)



Note: Data based on a sample of Central Zone

Figure 4 is a similar plot to that of Figure 3. It is a plot of the observed relationship using customer sample data between use per degree days and degree days with the balance point method. In this plot the average is 0.83 m³ per degree day and is illustrated by the horizontal line. The plot indicates a near linear average use per degree day. The variations about the mean can be explained largely by: other weather factors, such as wind and sunshine, diversity of individual customer behaviour, and geographical relationship between the weather station and the customer. These factors are not explicitly taken into account by the model. Additional work is underway to expand the model to include other weather factors.

Figure 4
Use per Degree Days vs Degree Days
 (Degree Days base 14.8°C)



Note: Data based on a sample of Central Zone

Another factor that contributes to the variations is that the sample data employed in these figures covers the period from October 15, 1992 to January 19, 1994. As a result, for some temperatures there are few days to observe customer demands. Because of this, other factors play a larger role, for an average range of effects of the other factors is not available. However, the



Heating Load Model Analysis

improvement in relationship between average use and temperature is clearly observable when 14.8°C is used for the balance point.

By reducing the balance point, the number of degree days utilized to explain heating decreases. It is therefore axiomatic that by using the balance point approach, average use per degree days increases from that based on 18°C. This explains the increase in average use per degree days between the two methods illustrated in figure 3 and figure 4.

The effect of this is that, on days when the temperature is predicted to be 16°C or 17°C, no heating volumes are being estimated by the model. This is supported by the observations of Figure 1. It is equally true that when temperatures are very low, greater sales will be estimated. Figure 2 confirms that this is an appropriate relationship as well.

Weather Forecast

The Company's weather forecasting method is not being changed. The Company has found this method to be a good means for forecasting weather and the Ontario Energy Board has reviewed and approved the method in the past. The forecasted annual degree days developed from this method are base 18°C, and are developed consistently for each of the three zones. The proposed method applies the calculated balance points to the day-by-day degree day distribution throughout the year by zone that is developed from the approved forecast, and calculates the number of degree days falling below the respective balance points. This is performed by weather zone.

6 Testing the Balance Points

To test the reliability of the approach, that is the billing system analysis will produce reasonable balance points, load research sample data was analyzed to see if the average balance points developed from the billing data were statistically within the estimated range of the sample. Table 2 illustrates the results.

Table 2

Balance Point Test		
Zone	Billing Data	Sample Range
Central	14.7	14.4 - 15.2
Eastern	14.6	13.7 - 14.9
Niagara	14.8	14.3 - 15.4

The period for comparison in this test was January 1, 1993 to December 31, 1993 as opposed to the fiscal year of October 1, 1992 to September 30, 1993 which is a component year of the development

Heating Load Model Analysis

of the balance points presented in Table 1. The sample data indicated are the upper and lower accuracy bounds at 95% confidence. This means that the actual balance points of the heating markets will fall within these ranges determined from sampling 19 out of 20 times. This table shows that the billing analysis resulted in balance points within that sample range. Thus using billing data is a reasonable approach for determining balance points.

By comparing the sample range in Table 2 to the proposed balance points in Table 1, it can be seen that the balance points using a five year weighted average based on fiscal years is within the sample range from calendar 1993. This indicates that the five year weighted balance points calculated from billing data is a reasonable and stable means to calibrate the heating model.

7 Recommendations

It is recommended that the basic engineering model for determining heating load using an estimated 18°C as the point at which heating load begins be replaced with a statistically adjusted engineering model which calibrates balance points to the various heating markets by zone. The effects of doing so will be better forecasts and better normalizations. This is due to the fact that models calibrated to actual customer uses from billing data better reflect customers' behaviour.

The Company's current method for forecasting degree days based on an approved method by the Ontario Energy Board is to continue. That forecast is to be used to determine the number of degree days occurring at temperatures below the balance point, calibrated by zone for the forecast year, using a simple mathematical calculation.

Analysis should continue to develop a means to incorporate other factors such as other weather measures.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 2, Schedule 5, Attachment 2

Preamble:

EGI's evidence states: *Enbridge Gas used the standard deviation of the year-over-year percentage change in normalized average use as the stability measure. A lower standard deviation indicates a more stable normalization method.*

Question(s):

Is the EGI inference of this statement that a more stable result from a methodology makes it more appropriate for use? Please explain.

- a) Was a baseload adjustment used in this methodology?
- b) If not, please provide in tabular fashion, using a 15 degree base temperature, what does the model generate as an intercept for 0 Heating Degree Days for each of the proposed weather zones for forecasted monthly consumption?
 - i. In that same table, please provide the average of July and August consumptions for each of those zones.

Response:

Enbridge Gas considers stability as an important measure specifically to select the weather normalization method. A more stable year-over-year change in weather normalized demand indicates the ability of the normalization method to remove weather variation from total demand. The greater the removal of weather variation from actual demand, the more stable the method.

- a) No.

b) Please see Table 1 for the intercepts generated for each model that uses heating degree days based on a base temperature of 15°C for each of the five weather zones. In the same table, the historical average of July and August consumptions is provided for these same five weather zones.

Table 1
Intercept (Forecast Baseload) vs Historical Average of July-August Average Use (m3)

Line No	Particulars	Residential					Non-Residential				
		Central	Eastern	Western	South	North	Central	Eastern	Western	South	North
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Intercept (1)	65	50	49	58	49	775	625	700	559	528
2	JUL-AUG Average (2)	60	46	44	56	45	651	530	545	531	513

Notes:

- (1) Intercept from the models with HDDs only (excludes other variables, vintage, employment etc.).
- (2) Based on the actual data for 2006 to 2021.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Green Energy Coalition (GEC)

Interrogatory

Reference:

E3/T2/S5

Question(s):

Has Enbridge installed equipment that allows for collection of hourly gas consumption data from any of its residential customers. If so, please provide the following information about the sample of homes being metered:

- a) How many homes are being metered? How has that number changed over time (i.e., how many homes were added in each month over the past two years)?
- b) What types of homes are being metered? Are they only single-family homes, or are their townhomes, apartments and/or other housing types being metered? How many homes of each type are being metered?
- c) What are the locations of the metered homes? In which cities or towns or parts of Enbridge's service territory are they located?
- d) Please provide the average gas consumption, by hour, across that sample for each of the last two years. To the extent that the metering is at the end use level (rather than just whole home consumption), please provide the average hourly consumption by hour for each end use. Please also identify the specific hour and day of the year associated with each hourly average.
- e) To the extent that Enbridge has the information, please provide the outdoor temperature for each hour for the Ontario weather station most representative of the weather experienced by the sampled homes.

Response:

- a) Encoder Receiver Transmitters (ERTs) modules have been installed on some customer gas meters in a variety of locations. At this time there are approximately 125,000 of these ERTs installed through the system; however, the majority of these

were installed to gain remote access due to operational concerns such as dangerous environments, inside or limited access, and or remote locations. In these applications the meters are not currently capturing hourly data. There are two communities that were targeted for installation of ERTs with the goal of recording hourly data, Deep River and Ingleside, which were part of previously identified pilots. There was an average monthly install rate of ERTs in 2021 of 519 units and in 2022 781 units. The average monthly install rate also includes meter exchanges and so it does not represent a net monthly increase in new meters.

- b) The ERTs have been installed on meters typically used for residential and light commercial applications. Residential customers could include single-family homes, townhouses, or apartments. The meter type typically installed on residential type buildings represents approximately 94% of the total ERTs installed.
- c) The ERTs are installed in a variety of locations across the entirety of Enbridge Gas's service territory. However, as described in part a) the majority have not been installed with the purpose of capturing hourly data. The locations that do have ERTs that are targeted at gathering hourly data are shown in Table 1.

Table 1
Locations and Number of Meters with ERTs

City	Number of Meters with ERTs
Deep River	1621
Ingleside	803

- d-e) Please see Attachment 1 which includes a database extract with the average customer usage for the two pilot projects where data is available for the period requested. The volume represents total premise usage as there is no data available on end use. The attachment includes consumption data for Deep River and Ingleside, along with temperature data from the Ottawa weather station which is used as the reference for both towns. The residential to commercial ratio on the list of meters included is approximately 94% residential and 6% commercial. The gaps in the dataset are due to a variety of potential issues that could include device power, communication errors, or memory storage limitations.

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/01	00	-3.4	0.3476	0.3165
2021/01/01	01	-4	0.3545	0.3200
2021/01/01	02	-4.1	0.3652	0.3275
2021/01/01	03	-4.1	0.3783	0.3451
2021/01/01	04	-3.8	0.3996	0.3773
2021/01/01	05	-3.4	0.4317	0.4182
2021/01/01	06	-3.2	0.4669	0.4423
2021/01/01	07	-3.6	0.4959	0.4540
2021/01/01	08	-3.2	0.4999	0.4449
2021/01/01	09	-2.6	0.4909	0.4367
2021/01/01	10	-1.9	0.4657	0.4179
2021/01/01	11	-1.1	0.4480	0.4039
2021/01/01	12	-0.7	0.4269	0.3855
2021/01/01	13	-0.5	0.4053	0.3726
2021/01/01	14	-0.4	0.3954	0.3742
2021/01/01	15	-0.5	0.3997	0.3788
2021/01/01	16	-1	0.4021	0.3772
2021/01/01	17	-1.2	0.3918	0.3675
2021/01/01	18	-1.4	0.3739	0.3618
2021/01/01	19	-1.6	0.3694	0.3635
2021/01/01	20	-1.9	0.3645	0.3561
2021/01/01	21	-2	0.3512	0.3418
2021/01/01	22	-2.5	0.3288	0.3244
2021/01/01	23	-3.2	0.3149	0.3180
2021/01/02	00	-4.2	0.3090	0.3178
2021/01/02	01	-4.2	0.3144	0.3314
2021/01/02	02	-4.3	0.3247	0.3474
2021/01/02	03	-4.5	0.3391	0.3705
2021/01/02	04	-4.6	0.3616	0.4076
2021/01/02	05	-4.6	0.3965	0.4477
2021/01/02	06	-4.5	0.4423	0.4803
2021/01/02	07	-4.1	0.4787	0.4939
2021/01/02	08	-3.6	0.4723	0.4908
2021/01/02	09	-3.5	0.4292	0.4780
2021/01/02	10	-3.1	0.3746	0.4441
2021/01/02	11	-2.5	0.3353	0.3963
2021/01/02	12	-2.2	0.3372	0.3299
2021/01/02	13	-1.2	0.3499	0.2849
2021/01/02	14	-0.9	0.3768	0.2830
2021/01/02	15	-0.9	0.3838	0.3326
2021/01/02	16	-0.8	0.3884	0.3768
2021/01/02	17	-2.1	0.3808	0.3890
2021/01/02	18	-2.4	0.3713	0.3780
2021/01/02	19	-2.6	0.3570	0.3656
2021/01/02	20	-2.4	0.3465	0.3523
2021/01/02	21	-2.5	0.3309	0.3344
2021/01/02	22	-3.5	0.3186	0.3151
2021/01/02	23	-3.8	0.3022	0.3076

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/03	00	-4.6	0.2984	0.3075
2021/01/03	01	-6.2	0.2992	0.3152
2021/01/03	02	-5.2	0.3093	0.3248
2021/01/03	03	-4.5	0.3220	0.3431
2021/01/03	04	-4.4	0.3412	0.3803
2021/01/03	05	-5.2	0.3796	0.4274
2021/01/03	06	-5.2	0.4226	0.4646
2021/01/03	07	-5	0.4628	0.4816
2021/01/03	08	-5.3	0.4708	0.4743
2021/01/03	09	-5	0.4620	0.4497
2021/01/03	10	-4.3	0.4402	0.4084
2021/01/03	11	-3.7	0.4253	0.3729
2021/01/03	12	-3.2	0.4154	0.3587
2021/01/03	13	-2.6	0.4169	0.3639
2021/01/03	14	-2.4	0.4090	0.3803
2021/01/03	15	-2.5	0.4029	0.3934
2021/01/03	16	-2.6	0.3877	0.3927
2021/01/03	17	-2.6	0.3843	0.3870
2021/01/03	18	-2.6	0.3777	0.3758
2021/01/03	19	-2.6	0.3695	0.3679
2021/01/03	20	-3	0.3590	0.3569
2021/01/03	21	-3	0.3397	0.3380
2021/01/03	22	-3.2	0.3237	0.3327
2021/01/03	23	-3.3	0.3042	0.3472
2021/01/04	00	-3.3	0.3006	0.3662
2021/01/04	01	-3.4	0.3033	0.3631
2021/01/04	02	-3.2	0.3162	0.3322
2021/01/04	03	-3.4	0.3312	0.3080
2021/01/04	04	-3.3	0.3575	0.3084
2021/01/04	05	-3.2	0.4018	0.3343
2021/01/04	06	-3.2	0.4451	0.3492
2021/01/04	07	-3.3	0.4772	0.3523
2021/01/04	08	-3	0.4720	0.3395
2021/01/04	09	-2.9	0.4567	0.3536
2021/01/04	10	-2.6	0.4258	0.3661
2021/01/04	11	-2.2	0.4120	0.3620
2021/01/04	12	-1.4	0.3942	0.3357
2021/01/04	13	-1.6	0.3893	0.3359
2021/01/04	14	-1	0.3885	0.3788
2021/01/04	15	-1	0.3993	0.4355
2021/01/04	16	-0.9	0.3986	0.4258
2021/01/04	17	-1.1	0.3818	0.3781
2021/01/04	18	-1.3	0.3620	0.3298
2021/01/04	19	-1.3	0.3493	0.3516
2021/01/04	20	-1.7	0.3484	0.3814
2021/01/04	21	-2.1	0.3350	0.4021
2021/01/04	22	-2.1	0.3184	0.3862
2021/01/04	23	-2.2	0.2990	0.3806

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/05	00	-2.2	0.2946	0.3947
2021/01/05	01	-2.2	0.2997	0.4151
2021/01/05	02	-2.2	0.3126	0.4106
2021/01/05	03	-2.3	0.3244	0.3871
2021/01/05	04	-2.5	0.3518	0.3863
2021/01/05	05	-2.6	0.3874	0.4258
2021/01/05	06	-2.7	0.4340	0.4570
2021/01/05	07	-2.8	0.4600	0.4548
2021/01/05	08	-2.9	0.4584	0.4312
2021/01/05	09	-3	0.4342	0.4096
2021/01/05	10	-3	0.4104	0.3980
2021/01/05	11	-3	0.3936	0.3884
2021/01/05	12	-2.6	0.3855	0.3880
2021/01/05	13	-2.1	0.3741	0.3986
2021/01/05	14	-2	0.3687	0.4125
2021/01/05	15	-1.8	0.3713	0.4207
2021/01/05	16	-2	0.3703	0.4142
2021/01/05	17	-2.4	0.3639	0.4012
2021/01/05	18	-2.4	0.3487	0.3885
2021/01/05	19	-2.7	0.3421	0.3771
2021/01/05	20	-2.7	0.3384	0.3566
2021/01/05	21	-2.7	0.3261	0.3379
2021/01/05	22	-2.9	0.3056	0.3216
2021/01/05	23	-3	0.2875	0.3128
2021/01/06	00	-3.2	0.2784	0.3187
2021/01/06	01	-3.4	0.2863	0.3313
2021/01/06	02	-3.4	0.2980	0.3635
2021/01/06	03	-3.4	0.3203	0.4070
2021/01/06	04	-3.4	0.3475	0.4578
2021/01/06	05	-2.4	0.3921	0.4838
2021/01/06	06	-2.7	0.4368	0.4875
2021/01/06	07	-3	0.4653	0.4650
2021/01/06	08	-3.2	0.4705	0.4395
2021/01/06	09	-3.6	0.4508	0.4089
2021/01/06	10	-3.8	0.4255	0.3901
2021/01/06	11	-3.7	0.4047	0.3823
2021/01/06	12	-3.3	0.3898	0.3815
2021/01/06	13	-2.9	0.3903	0.3789
2021/01/06	14	-3.1	0.3893	0.3949
2021/01/06	15	-2.9	0.4014	0.4089
2021/01/06	16	-3.2	0.4026	0.4313
2021/01/06	17	-3.8	0.3913	0.4328
2021/01/06	18	-3.8	0.3751	0.4248
2021/01/06	19	-4.2	0.3598	0.4117
2021/01/06	20	-4.6	0.3539	0.3899
2021/01/06	21	-4.5	0.3439	0.3758
2021/01/06	22	-4.5	0.3280	0.3732
2021/01/06	23	-3.7	0.3169	0.3836

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/07	00	-3.1	0.3123	0.3967
2021/01/07	01	-2.8	0.3228	0.4052
2021/01/07	02	-2.7	0.3371	0.4260
2021/01/07	03	-2.9	0.3606	0.4637
2021/01/07	04	-3	0.3957	0.5074
2021/01/07	05	-3.2	0.4426	0.5366
2021/01/07	06	-3.5	0.4966	0.5311
2021/01/07	07	-3.6	0.5414	0.4974
2021/01/07	08	-4	0.5549	0.4586
2021/01/07	09	-4.2	0.5309	0.4368
2021/01/07	10	-4.2	0.4937	0.4239
2021/01/07	11	-4.4	0.4609	0.4163
2021/01/07	12	-4.9	0.4465	0.4148
2021/01/07	13	-5.3	0.4397	0.4339
2021/01/07	14	-5.4	0.4500	0.4549
2021/01/07	15	-5.7	0.4749	0.4609
2021/01/07	16	-6	0.4836	0.4548
2021/01/07	17	-6.5	0.4757	0.4418
2021/01/07	18	-6.5	0.4563	0.4351
2021/01/07	19	-6.3	0.4509	0.4207
2021/01/07	20	-6.2	0.4530	0.4039
2021/01/07	21	-6.3	0.4385	0.3804
2021/01/07	22	-6.3	0.4197	0.3676
2021/01/07	23	-6.5	0.4010	0.3623
2021/01/08	00	-6.8	0.4034	0.3706
2021/01/08	01	-8.1	0.4200	0.3755
2021/01/08	02	-8.6	0.4467	0.4030
2021/01/08	03	-9.2	0.4779	0.4409
2021/01/08	04	-9.4	0.5145	0.4648
2021/01/08	05	-10.7	0.5713	0.4742
2021/01/08	06	-11.5	0.6296	0.4851
2021/01/08	07	-12.4	0.6639	0.5125
2021/01/08	08	-12.2	0.6479	0.5046
2021/01/08	09	-11.1	0.5956	0.4693
2021/01/08	10	-10.5	0.5272	0.4563
2021/01/08	11	-9.3	0.4588	0.4964
2021/01/08	12	-8.1	0.4060	0.5364
2021/01/08	13	-7.3	0.3811	0.5302
2021/01/08	14	-6.5	0.3925	0.4934
2021/01/08	15	-6.2	0.4346	0.4765
2021/01/08	16	-6.4	0.4651	0.4869
2021/01/08	17	-7.8	0.4677	0.4667
2021/01/08	18	-9.1	0.4518	0.4152
2021/01/08	19	-8.7	0.4420	0.3937
2021/01/08	20	-8.9	0.4444	0.4322
2021/01/08	21	-8.7	0.4306	0.5117
2021/01/08	22	-7.2	0.4111	0.5123
2021/01/08	23	-7.6	0.3960	0.4536

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/09	00	-9	0.3951	0.3754
2021/01/09	01	-8.2	0.4108	0.3983
2021/01/09	02	-8.1	0.4328	0.4873
2021/01/09	03	-8.5	0.4588	0.5682
2021/01/09	04	-8.3	0.4921	0.5560
2021/01/09	05	-7.9	0.5284	0.5129
2021/01/09	06	-7.2	0.5724	0.4797
2021/01/09	07	-6.9	0.6048	0.4977
2021/01/09	08	-7.3	0.6028	0.5052
2021/01/09	09	-8	0.5575	0.4671
2021/01/09	10	-7.3	0.4880	0.4034
2021/01/09	11	-6.7	0.4268	0.3428
2021/01/09	12	-5.5	0.3884	0.3328
2021/01/09	13	-4.2	0.3755	0.3497
2021/01/09	14	-2.2	0.3940	0.3965
2021/01/09	15	-1.7	0.4358	0.4342
2021/01/09	16	-3.1	0.4679	0.4496
2021/01/09	17	-4.3	0.4787	0.4415
2021/01/09	18	-5	0.4647	0.4349
2021/01/09	19	-5.3	0.4574	0.4305
2021/01/09	20	-6.2	0.4413	0.4160
2021/01/09	21	-7.3	0.4254	0.3929
2021/01/09	22	-8.7	0.3984	0.3779
2021/01/09	23	-9.3	0.3830	0.3841
2021/01/10	00	-9.2	0.3822	0.4092
2021/01/10	01	-8.4	0.3928	0.4383
2021/01/10	02	-10.1	0.4106	0.4658
2021/01/10	03	-10.1	0.4280	0.4998
2021/01/10	04	-9.8	0.4561	0.5333
2021/01/10	05	-10.7	0.4923	0.5630
2021/01/10	06	-10.1	0.5361	0.5815
2021/01/10	07	-10.4	0.5728	0.5778
2021/01/10	08	-10.3	0.5887	0.5608
2021/01/10	09	-10.5	0.5764	0.5365
2021/01/10	10	-9.1	0.5401	0.5179
2021/01/10	11	-8.7	0.4911	0.5055
2021/01/10	12	-8.7	0.4464	0.4953
2021/01/10	13	-8.7	0.4188	0.4877
2021/01/10	14	-7.6	0.4221	0.4885
2021/01/10	15	-7.3	0.4484	0.4807
2021/01/10	16	-7.3	0.4637	0.4768
2021/01/10	17	-7.3	0.4613	0.4627
2021/01/10	18	-8.4	0.4553	0.4465
2021/01/10	19	-8.5	0.4507	0.4277
2021/01/10	20	-9.8	0.4427	0.4010
2021/01/10	21	-9.4	0.4169	0.3779
2021/01/10	22	-9	0.3915	0.3601
2021/01/10	23	-7.8	0.3715	0.3581

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/11	00	-7.1	0.3614	0.3675
2021/01/11	01	-6.2	0.3680	0.3754
2021/01/11	02	-5.7	0.3781	0.3946
2021/01/11	03	-5.6	0.3987	0.4266
2021/01/11	04	-5.7	0.4240	0.4705
2021/01/11	05	-6	0.4642	0.4997
2021/01/11	06	-5.6	0.5068	0.5048
2021/01/11	07	-5.4	0.5361	0.4789
2021/01/11	08	-5.1	0.5363	0.4424
2021/01/11	09	-4.7	0.5133	0.3999
2021/01/11	10	-4	0.4793	0.3760
2021/01/11	11	-1.7	0.4519	0.3587
2021/01/11	12	0.8	0.4304	0.3604
2021/01/11	13	1.1	0.4169	0.3724
2021/01/11	14	0.6	0.4114	0.3846
2021/01/11	15	0.3	0.4049	0.3872
2021/01/11	16	0.2	0.3955	0.3788
2021/01/11	17	0	0.3828	0.3678
2021/01/11	18	0.1	0.3718	0.3598
2021/01/11	19	0.3	0.3651	0.3422
2021/01/11	20	0.2	0.3533	0.3237
2021/01/11	21	0.1	0.3313	0.3026
2021/01/11	22	0.1	0.3095	0.2883
2021/01/11	23	0	0.2910	0.2874
2021/01/12	00	-0.4	0.2889	0.2941
2021/01/12	01	-0.5	0.2952	0.3129
2021/01/12	02	-0.9	0.3086	0.3371
2021/01/12	03	-1	0.3214	0.3805
2021/01/12	04	-1.4	0.3513	0.4320
2021/01/12	05	-1.4	0.3941	0.4360
2021/01/12	06	-1.5	0.4469	0.3984
2021/01/12	07	-1.6	0.4731	0.3713
2021/01/12	08	-1.6	0.4666	0.3987
2021/01/12	09	-1.5	0.4343	0.4370
2021/01/12	10	-0.8	0.4039	0.4184
2021/01/12	11	-0.2	0.3628	0.3731
2021/01/12	12	0	0.3384	0.3376
2021/01/12	13	0.2	0.3226	0.3480
2021/01/12	14	0.5	0.3440	0.3647
2021/01/12	15	0.7	0.3664	0.3682
2021/01/12	16	0.7	0.3750	0.3660
2021/01/12	17	0.1	0.3633	0.3829
2021/01/12	18	-0.4	0.3482	0.4217
2021/01/12	19	-0.6	0.3366	0.4289
2021/01/12	20	-0.7	0.3326	0.4066
2021/01/12	21	-0.9	0.3137	0.3737
2021/01/12	22	-1.1	0.2962	0.3900
2021/01/12	23	-1.3	0.2779	0.4139

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/13	00	-1.8	0.2775	0.4249
2021/01/13	01	-1.9	0.2803	0.4100
2021/01/13	02	-2.1	0.2922	0.3947
2021/01/13	03	-2.5	0.2992	0.3908
2021/01/13	04	-2.6	0.3304	0.3853
2021/01/13	05	-2.6	0.3727	0.3841
2021/01/13	06	-2.2	0.4258	0.3875
2021/01/13	07	-2.2	0.4624	0.3829
2021/01/13	08	-2	0.4624	0.3802
2021/01/13	09	-1.8	0.4451	0.3667
2021/01/13	10	-1.2	0.4085	0.3597
2021/01/13	11	-0.6	0.3852	0.3594
2021/01/13	12	-0.1	0.3684	0.3765
2021/01/13	13	0	0.3645	0.3951
2021/01/13	14	0.6	0.3701	0.4050
2021/01/13	15	0.1	0.3765	0.3986
2021/01/13	16	-0.3	0.3708	0.3916
2021/01/13	17	-0.4	0.3535	0.3766
2021/01/13	18	-0.5	0.3410	0.3614
2021/01/13	19	-0.3	0.3348	0.3361
2021/01/13	20	-0.2	0.3294	0.3049
2021/01/13	21	0	0.3092	0.2818
2021/01/13	22	0	0.2879	0.2744
2021/01/13	23	0	0.2735	0.2798
2021/01/14	00	0	0.2669	0.2915
2021/01/14	01	0	0.2719	0.3133
2021/01/14	02	-0.2	0.2808	0.3579
2021/01/14	03	-0.3	0.2994	0.4101
2021/01/14	04	-0.4	0.3270	0.4482
2021/01/14	05	-0.5	0.3696	0.4548
2021/01/14	06	-0.6	0.4196	0.4272
2021/01/14	07	-0.5	0.4456	0.3798
2021/01/14	08	-0.5	0.4423	0.3399
2021/01/14	09	-0.6	0.4165	0.3105
2021/01/14	10	-0.3	0.3939	0.3028
2021/01/14	11	-0.1	0.3746	0.3041
2021/01/14	12	0	0.3534	0.3215
2021/01/14	13	0	0.3395	0.3443
2021/01/14	14	0.1	0.3370	0.3563
2021/01/14	15	0.3	0.3491	0.3582
2021/01/14	16	0.3	0.3528	0.3531
2021/01/14	17	0.1	0.3427	0.3437
2021/01/14	18	-0.1	0.3337	0.3303
2021/01/14	19	-0.2	0.3226	0.3069
2021/01/14	20	-0.3	0.3224	0.2849
2021/01/14	21	-0.3	0.3025	0.2716
2021/01/14	22	-0.4	0.2866	0.2735
2021/01/14	23	-0.3	0.2701	0.2878

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/15	00	-0.5	0.2659	0.3048
2021/01/15	01	-0.7	0.2714	0.3335
2021/01/15	02	-0.8	0.2796	0.3801
2021/01/15	03	-0.8	0.2955	0.4360
2021/01/15	04	-1.8	0.3206	0.4796
2021/01/15	05	-1.2	0.3627	0.4831
2021/01/15	06	-1.6	0.4159	0.4303
2021/01/15	07	-2	0.4483	0.3466
2021/01/15	08	-2.1	0.4410	0.2658
2021/01/15	09	-1.9	0.4033	0.2267
2021/01/15	10	-1.5	0.3609	0.2310
2021/01/15	11	-1.1	0.3300	0.2635
2021/01/15	12	-0.1	0.2988	0.3132
2021/01/15	13	0.7	0.2908	0.3521
2021/01/15	14	0.6	0.3042	0.3712
2021/01/15	15	0.6	0.3345	0.3693
2021/01/15	16	0.2	0.3429	0.3640
2021/01/15	17	0.2	0.3372	0.3562
2021/01/15	18	-0.1	0.3285	0.3474
2021/01/15	19	-0.3	0.3249	0.3261
2021/01/15	20	-0.1	0.3139	0.3070
2021/01/15	21	-0.1	0.2964	0.2917
2021/01/15	22	0	0.2777	0.2878
2021/01/15	23	0	0.2714	0.2905
2021/01/16	00	-0.6	0.2656	0.3009
2021/01/16	01	-0.6	0.2686	0.3120
2021/01/16	02	-0.5	0.2698	0.3417
2021/01/16	03	-0.4	0.2845	0.3834
2021/01/16	04	-0.5	0.3032	0.4286
2021/01/16	05	-0.7	0.3349	0.4487
2021/01/16	06	-0.7	0.3757	0.4435
2021/01/16	07	-0.5	0.4154	0.4149
2021/01/16	08	-0.3	0.4303	0.3729
2021/01/16	09	-0.3	0.4159	0.3380
2021/01/16	10	-0.1	0.3862	0.3337
2021/01/16	11	0	0.3531	0.3497
2021/01/16	12	0	0.3280	0.3572
2021/01/16	13	0.1	0.3099	0.3549
2021/01/16	14	0.2	0.3193	0.3638
2021/01/16	15	0.2	0.3333	0.3920
2021/01/16	16	0	0.3406	0.4017
2021/01/16	17	-0.3	0.3302	0.3887
2021/01/16	18	-0.4	0.3179	0.3741
2021/01/16	19	-0.4	0.3109	0.3920
2021/01/16	20	-0.3	0.3076	0.4183
2021/01/16	21	-0.3	0.2968	0.4272
2021/01/16	22	-0.4	0.2815	0.4115
2021/01/16	23	-0.2	0.2669	0.3928

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/17	00	-0.2	0.2601	0.3746
2021/01/17	01	0	0.2644	0.3680
2021/01/17	02	0	0.2752	0.3671
2021/01/17	03	0.1	0.2922	0.3764
2021/01/17	04	0.1	0.3159	0.3771
2021/01/17	05	-0.1	0.3539	0.3667
2021/01/17	06	-0.4	0.4070	0.3439
2021/01/17	07	-0.6	0.4596	0.3393
2021/01/17	08	-1.2	0.4825	0.3481
2021/01/17	09	-1.4	0.4715	0.3752
2021/01/17	10	-1.4	0.4403	0.3740
2021/01/17	11	-2.1	0.4309	0.3555
2021/01/17	12	-2.6	0.4154	0.3268
2021/01/17	13	-2.8	0.4187	0.3351
2021/01/17	14	-2.8	0.4277	0.3627
2021/01/17	15	-3.3	0.4471	0.3946
2021/01/17	16	-3.9	0.4577	0.4037
2021/01/17	17	-4.2	0.4590	0.3995
2021/01/17	18	-4.2	0.4536	0.3902
2021/01/17	19	-4.8	0.4481	0.3712
2021/01/17	20	-5.1	0.4348	0.3549
2021/01/17	21	-5	0.4068	0.3471
2021/01/17	22	-5.2	0.3748	0.3514
2021/01/17	23	-5.8	0.3464	0.3669
2021/01/18	00	-6.9	0.3399	0.3803
2021/01/18	01	-7.3	0.3503	0.4085
2021/01/18	02	-7.6	0.3777	0.4533
2021/01/18	03	-8.1	0.4132	0.5184
2021/01/18	04	-8.9	0.4704	0.5674
2021/01/18	05	-10.2	0.5446	0.5725
2021/01/18	06	-10.2	0.6231	0.5048
2021/01/18	07	-10	0.6707	0.4241
2021/01/18	08	-9.9	0.6546	0.3691
2021/01/18	09	-10	0.5923	0.3725
2021/01/18	10	-10.2	0.5140	0.3855
2021/01/18	11	-9.5	0.4535	0.3956
2021/01/18	12	-8.7	0.4196	0.4148
2021/01/18	13	-8.5	0.4000	0.4522
2021/01/18	14	-8.7	0.4194	0.4920
2021/01/18	15	-8.4	0.4598	0.5079
2021/01/18	16	-9.1	0.5058	0.5122
2021/01/18	17	-11.6	0.5213	0.5075
2021/01/18	18	-12.9	0.5138	0.5046
2021/01/18	19	-11.8	0.5081	0.4786
2021/01/18	20	-12.9	0.4963	0.4517
2021/01/18	21	-14.9	0.4695	0.4344
2021/01/18	22	-13.7	0.4293	0.4424
2021/01/18	23	-13.3	0.4020	0.4668

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/19	00	-13.2	0.3995	0.4951
2021/01/19	01	-14.8	0.4199	0.5292
2021/01/19	02	-14.1	0.4490	0.5789
2021/01/19	03	-14	0.4878	0.6255
2021/01/19	04	-14.7	0.5364	0.6629
2021/01/19	05	-15.3	0.6097	0.6526
2021/01/19	06	-15.7	0.6737	0.6168
2021/01/19	07	-15.3	0.7069	0.5596
2021/01/19	08	-14.9	0.6768	0.4984
2021/01/19	09	-13.4	0.6312	0.4426
2021/01/19	10	-12.4	0.5843	0.4150
2021/01/19	11	-10.6	0.5584	0.4196
2021/01/19	12	-8.5	0.5338	0.4512
2021/01/19	13	-8	0.5184	0.4746
2021/01/19	14	-7.6	0.5146	0.4861
2021/01/19	15	-8.1	0.5212	0.4762
2021/01/19	16	-8.2	0.5265	0.4637
2021/01/19	17	-8.6	0.5264	0.4515
2021/01/19	18	-8.9	0.5258	0.4366
2021/01/19	19	-8.5	0.5225	0.4087
2021/01/19	20	-9.9	0.5095	0.3816
2021/01/19	21	-11.1	0.4745	0.3695
2021/01/19	22	-10.4	0.4303	0.3684
2021/01/19	23	-10.8	0.3970	0.3793
2021/01/20	00	-10.5	0.3882	0.3940
2021/01/20	01	-10.9	0.4056	0.4202
2021/01/20	02	-10.7	0.4356	0.4634
2021/01/20	03	-10.8	0.4764	0.5118
2021/01/20	04	-10.1	0.5304	0.5554
2021/01/20	05	-10.3	0.6044	0.5628
2021/01/20	06	-9.1	0.6788	0.5416
2021/01/20	07	-9.5	0.7165	0.4951
2021/01/20	08	-9.5	0.6913	0.4388
2021/01/20	09	-10.3	0.6209	0.3889
2021/01/20	10	-10.7	0.5439	0.3546
2021/01/20	11	-11.3	0.4862	0.3484
2021/01/20	12	-10.9	0.4566	0.3738
2021/01/20	13	-10.7	0.4504	0.4009
2021/01/20	14	-10.4	0.4759	0.3884
2021/01/20	15	-11	0.5260	0.4061
2021/01/20	16	-11.8	0.5735	0.4547
2021/01/20	17	-13.3	0.5978	0.5329
2021/01/20	18	-12.9	0.5988	0.5600
2021/01/20	19	-14.8	0.5910	0.5684
2021/01/20	20	-16.1	0.5696	0.5646
2021/01/20	21	-17.5	0.5301	0.5527
2021/01/20	22	-17.5	0.4959	0.5359
2021/01/20	23	-15.7	0.4842	0.5337

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/21	00	-16.2	0.4914	0.5303
2021/01/21	01	-14.2	0.4820	0.5196
2021/01/21	02	-13.4	0.4663	0.5040
2021/01/21	03	-13.3	0.4540	0.4911
2021/01/21	04	-13.7	0.4718	0.4746
2021/01/21	05	-13.1	0.4868	0.4656
2021/01/21	06	-12	0.4925	0.4635
2021/01/21	07	-11.8	0.4803	0.4684
2021/01/21	08	-11.3	0.4825	0.4732
2021/01/21	09	-11.1	0.5000	0.4822
2021/01/21	10	-10.5	0.5117	0.4812
2021/01/21	11	-10.1	0.4882	0.4923
2021/01/21	12	-9.8	0.4373	0.4976
2021/01/21	13	-8.6	0.4314	0.5052
2021/01/21	14	-7	0.4946	0.4879
2021/01/21	15	-7.1	0.5856	0.4617
2021/01/21	16	-6.9	0.5816	0.4616
2021/01/21	17	-7.3	0.5038	0.5068
2021/01/21	18	-7.8	0.4118	0.5625
2021/01/21	19	-7.8	0.4276	0.5599
2021/01/21	20	-7.9	0.4850	0.4833
2021/01/21	21	-7.8	0.5354	0.3935
2021/01/21	22	-6.7	0.5042	0.3371
2021/01/21	23	-6.3	0.4613	0.3189
2021/01/22	00	-4.1	0.4478	0.3099
2021/01/22	01	-3.9	0.4771	0.3158
2021/01/22	02	-2.8	0.5013	0.3305
2021/01/22	03	-2.7	0.5114	0.3561
2021/01/22	04	-2.1	0.5301	0.3994
2021/01/22	05	-3.3	0.5767	0.4485
2021/01/22	06	-4.7	0.6106	0.4920
2021/01/22	07	-5.1	0.6089	0.4999
2021/01/22	08	-5.7	0.5714	0.4828
2021/01/22	09	-6.2	0.5318	0.4524
2021/01/22	10	-6.8	0.5022	0.4221
2021/01/22	11	-6.9	0.4861	0.3971
2021/01/22	12	-6.9	0.4801	0.3817
2021/01/22	13	-6.6	0.4924	0.3863
2021/01/22	14	-7.1	0.5096	0.4179
2021/01/22	15	-7.2	0.5307	0.4614
2021/01/22	16	-7.4	0.5324	0.4850
2021/01/22	17	-7.7	0.5320	0.4917
2021/01/22	18	-8.1	0.5215	0.4878
2021/01/22	19	-8.3	0.5106	0.4787
2021/01/22	20	-8.9	0.4782	0.4620
2021/01/22	21	-9.3	0.4464	0.4398
2021/01/22	22	-10.1	0.4244	0.4217
2021/01/22	23	-10.6	0.4341	0.4057

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/23	00	-11.8	0.4599	0.4018
2021/01/23	01	-12.8	0.4949	0.4211
2021/01/23	02	-14.1	0.5312	0.4579
2021/01/23	03	-14.3	0.5765	0.4954
2021/01/23	04	-14.2	0.6368	0.5437
2021/01/23	05	-15	0.7039	0.5966
2021/01/23	06	-16.1	0.7556	0.6539
2021/01/23	07	-16.9	0.7559	0.6707
2021/01/23	08	-18.1	0.7115	0.6276
2021/01/23	09	-17.1	0.6339	0.5555
2021/01/23	10	-16.4	0.5694	0.4807
2021/01/23	11	-15.8	0.5209	0.4453
2021/01/23	12	-15.3	0.5017	0.4282
2021/01/23	13	-14.4	0.5105	0.4387
2021/01/23	14	-13.9	0.5496	0.4678
2021/01/23	15	-13.5	0.5908	0.5205
2021/01/23	16	-13.6	0.6140	0.5736
2021/01/23	17	-14.4	0.6137	0.6039
2021/01/23	18	-14.4	0.6060	0.6085
2021/01/23	19	-14.2	0.5967	0.5962
2021/01/23	20	-14.6	0.5691	0.5852
2021/01/23	21	-15	0.5387	0.5621
2021/01/23	22	-15.6	0.5167	0.5368
2021/01/23	23	-16.1	0.5229	0.5212
2021/01/24	00	-16.7	0.5453	0.5276
2021/01/24	01	-16.9	0.5763	0.5534
2021/01/24	02	-17.3	0.6099	0.5807
2021/01/24	03	-17.7	0.6519	0.6073
2021/01/24	04	-18.1	0.7059	0.6463
2021/01/24	05	-18.2	0.7627	0.6913
2021/01/24	06	-18.6	0.8017	0.7385
2021/01/24	07	-18.5	0.7895	0.7389
2021/01/24	08	-18.7	0.7321	0.6896
2021/01/24	09	-18.1	0.6454	0.5969
2021/01/24	10	-17.1	0.5735	0.5204
2021/01/24	11	-15.9	0.5167	0.4785
2021/01/24	12	-14.6	0.4860	0.4600
2021/01/24	13	-13	0.4971	0.4585
2021/01/24	14	-11.7	0.5336	0.4688
2021/01/24	15	-10.9	0.5708	0.5103
2021/01/24	16	-10.9	0.5672	0.5498
2021/01/24	17	-12.7	0.5513	0.5753
2021/01/24	18	-13.7	0.5381	0.5793
2021/01/24	19	-13.5	0.5200	0.5569
2021/01/24	20	-14.4	0.4872	0.5198
2021/01/24	21	-14.2	0.4411	0.4761
2021/01/24	22	-14.8	0.4080	0.4722
2021/01/24	23	-14.5	0.3991	0.4888

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/25	00	-16.2	0.4083	0.5017
2021/01/25	01	-16.7	0.4409	0.4860
2021/01/25	02	-16.8	0.4663	0.4737
2021/01/25	03	-15.5	0.4871	0.4815
2021/01/25	04	-15.3	0.4810	0.4869
2021/01/25	05	-16.9	0.4880	0.4967
2021/01/25	06	-15.9	0.5135	0.5016
2021/01/25	07	-17.8	0.5339	0.5157
2021/01/25	08	-16.2	0.5139	0.5091
2021/01/25	09	-13.9	0.4583	0.4933
2021/01/25	10	-11.8	0.4531	0.4856
2021/01/25	11	-10.6	0.5062	0.5095
2021/01/25	12	-9.6	0.5734	0.5509
2021/01/25	13	-8.6	0.5532	0.5631
2021/01/25	14	-7.5	0.4865	0.5204
2021/01/25	15	-7.5	0.4202	0.4486
2021/01/25	16	-7.6	0.4359	0.4471
2021/01/25	17	-7.8	0.4796	0.5288
2021/01/25	18	-7.9	0.5173	0.6318
2021/01/25	19	-8	0.4999	0.6243
2021/01/25	20	-8	0.4702	0.5255
2021/01/25	21	-8.2	0.4661	0.4180
2021/01/25	22	-8.1	0.4887	0.4291
2021/01/25	23	-7.8	0.4935	0.4917
2021/01/26	00	-8	0.4844	0.5350
2021/01/26	01	-7.8	0.4925	0.5030
2021/01/26	02	-7.6	0.5421	0.4578
2021/01/26	03	-7.4	0.5846	0.4463
2021/01/26	04	-7.5	0.5773	0.4767
2021/01/26	05	-7.5	0.5507	0.5213
2021/01/26	06	-7.6	0.5224	0.5508
2021/01/26	07	-7.5	0.5163	0.5476
2021/01/26	08	-7.3	0.4788	0.5121
2021/01/26	09	-7	0.4447	0.4534
2021/01/26	10	-6.4	0.4023	0.3725
2021/01/26	11	-5.7	0.4008	0.3248
2021/01/26	12	-4.7	0.4106	0.3204
2021/01/26	13	-4.5	0.4477	0.3677
2021/01/26	14	-4.5	0.4743	0.4163
2021/01/26	15	-4.4	0.4792	0.4568
2021/01/26	16	-4.3	0.4679	0.4734
2021/01/26	17	-5.1	0.4494	0.4741
2021/01/26	18	-5.6	0.4421	0.4673
2021/01/26	19	-6	0.4311	0.4617
2021/01/26	20	-5.8	0.4097	0.4459
2021/01/26	21	-5.7	0.3768	0.4192
2021/01/26	22	-5.7	0.3502	0.3891
2021/01/26	23	-5.7	0.3414	0.3765

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/27	00	-5.6	0.3555	0.3713
2021/01/27	01	-5.3	0.3763	0.3841
2021/01/27	02	-5	0.4083	0.3982
2021/01/27	03	-5.2	0.4538	0.4311
2021/01/27	04	-5.2	0.5231	0.4734
2021/01/27	05	-5.5	0.5926	0.5162
2021/01/27	06	-7.8	0.6215	0.5475
2021/01/27	07	-6.8	0.5896	0.5463
2021/01/27	08	-6.2	0.5106	0.5203
2021/01/27	09	-6.6	0.4328	0.4803
2021/01/27	10	-6.8	0.3938	0.4477
2021/01/27	11	-6.7	0.3979	0.4290
2021/01/27	12	-5.5	0.4218	0.4102
2021/01/27	13	-4.5	0.4456	0.4073
2021/01/27	14	-4.1	0.4668	0.4151
2021/01/27	15	-5.1	0.4870	0.4413
2021/01/27	16	-5.6	0.4947	0.4523
2021/01/27	17	-6	0.4964	0.4637
2021/01/27	18	-6.1	0.4916	0.4596
2021/01/27	19	-6.1	0.4846	0.4562
2021/01/27	20	-6.3	0.4618	0.4392
2021/01/27	21	-6.5	0.4336	0.4195
2021/01/27	22	-6.7	0.4143	0.3921
2021/01/27	23	-6.8	0.4157	0.3739
2021/01/28	00	-7	0.4370	0.3720
2021/01/28	01	-7.5	0.4664	0.3873
2021/01/28	02	-8.5	0.5049	0.4112
2021/01/28	03	-9.3	0.5600	0.4427
2021/01/28	04	-10	0.6341	0.4964
2021/01/28	05	-11.5	0.7112	0.5573
2021/01/28	06	-12.1	0.7418	0.6041
2021/01/28	07	-12.2	0.7124	0.6137
2021/01/28	08	-12.1	0.6494	0.5817
2021/01/28	09	-11.9	0.5849	0.5382
2021/01/28	10	-12	0.5490	0.4990
2021/01/28	11	-12.2	0.5184	0.4819
2021/01/28	12	-12.5	0.5175	0.4832
2021/01/28	13	-12.5	0.5381	0.4947
2021/01/28	14	-11.9	0.5860	0.5206
2021/01/28	15	-12.5	0.6279	0.5453
2021/01/28	16	-12.9	0.6415	0.5726
2021/01/28	17	-13.9	0.6394	0.5894
2021/01/28	18	-14.6	0.6348	0.6025
2021/01/28	19	-15.2	0.6258	0.5998
2021/01/28	20	-15.4	0.5941	0.5873
2021/01/28	21	-16.2	0.5482	0.5593
2021/01/28	22	-16.6	0.5207	0.5334
2021/01/28	23	-17.1	0.5229	0.5356

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/29	00	-17.9	0.5504	0.5637
2021/01/29	01	-18.2	0.5820	0.5796
2021/01/29	02	-18.5	0.6164	0.5690
2021/01/29	03	-19.1	0.6603	0.5501
2021/01/29	04	-19.1	0.6738	0.5673
2021/01/29	05	-18.8	0.6415	0.5910
2021/01/29	06	-19.4	0.5827	0.6057
2021/01/29	07	-19.5	0.5876	0.5925
2021/01/29	08	-19.4	0.6619	0.5895
2021/01/29	09	-18.9	0.7284	0.6050
2021/01/29	10	-17.4	0.6997	0.6278
2021/01/29	11	-15.9	0.6154	0.6015
2021/01/29	12	-14.6	0.5468	0.5513
2021/01/29	13	-13.3	0.5622	0.5470
2021/01/29	14	-12.2	0.5986	0.6137
2021/01/29	15	-11.8	0.6158	0.7002
2021/01/29	16	-11.8	0.5919	0.6998
2021/01/29	17	-12.7	0.5808	0.6398
2021/01/29	18	-12.5	0.6056	0.5853
2021/01/29	19	-14.5	0.6268	0.5856
2021/01/29	20	-14.9	0.6160	0.5910
2021/01/29	21	-16.2	0.5886	0.5620
2021/01/29	22	-16.2	0.5987	0.5373
2021/01/29	23	-17.5	0.6389	0.5598
2021/01/30	00	-17.8	0.6668	0.6225
2021/01/30	01	-17.4	0.6481	0.6367
2021/01/30	02	-18.1	0.6274	0.5889
2021/01/30	03	-17.9	0.6159	0.5167
2021/01/30	04	-18.3	0.6182	0.5269
2021/01/30	05	-17.8	0.5955	0.6174
2021/01/30	06	-18.2	0.5583	0.7091
2021/01/30	07	-18.1	0.5363	0.7046
2021/01/30	08	-18.8	0.5391	0.6253
2021/01/30	09	-18.1	0.5530	0.5446
2021/01/30	10	-15.8	0.5389	0.5139
2021/01/30	11	-14.6	0.4963	0.5001
2021/01/30	12	-13.7	0.4676	0.4693
2021/01/30	13	-12.9	0.4826	0.4402
2021/01/30	14	-11.9	0.5270	0.4427
2021/01/30	15	-11.6	0.5555	0.4919
2021/01/30	16	-12	0.5647	0.5529
2021/01/30	17	-13.4	0.5648	0.5901
2021/01/30	18	-14.2	0.5655	0.6012
2021/01/30	19	-15.2	0.5460	0.5964
2021/01/30	20	-15	0.5148	0.5854
2021/01/30	21	-16.7	0.4875	0.5634
2021/01/30	22	-17.9	0.4904	0.5326
2021/01/30	23	-18.3	0.5165	0.5207

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/01/31	00	-18	0.5564	0.5336
2021/01/31	01	-17	0.5990	0.5665
2021/01/31	02	-18.5	0.6465	0.6035
2021/01/31	03	-19.4	0.7030	0.6426
2021/01/31	04	-18.2	0.7650	0.6920
2021/01/31	05	-19.2	0.8078	0.7417
2021/01/31	06	-21.6	0.7975	0.7849
2021/01/31	07	-20.1	0.7367	0.7717
2021/01/31	08	-20.7	0.6508	0.7095
2021/01/31	09	-19	0.5795	0.6039
2021/01/31	10	-16.7	0.5231	0.5258
2021/01/31	11	-15.8	0.4874	0.4688
2021/01/31	12	-14.7	0.4798	0.4489
2021/01/31	13	-13.7	0.5093	0.4395
2021/01/31	14	-13.3	0.5532	0.4587
2021/01/31	15	-12.9	0.5837	0.5017
2021/01/31	16	-13.1	0.6011	0.5604
2021/01/31	17	-15.2	0.6067	0.6067
2021/01/31	18	-15.8	0.6085	0.6223
2021/01/31	19	-16.2	0.5877	0.6173
2021/01/31	20	-17.5	0.5620	0.6001
2021/01/31	21	-18.1	0.5465	0.5685
2021/01/31	22	-18.6	0.5578	0.5414
2021/01/31	23	-18.3	0.5906	0.5289
2021/02/01	00	-17.9	0.6340	0.5437
2021/02/01	01	-19.8	0.6803	0.5678
2021/02/01	02	-18.4	0.7341	0.5973
2021/02/01	03	-19.7	0.8024	0.6339
2021/02/01	04	-20.3	0.8675	0.6867
2021/02/01	05	-20.2	0.8940	0.7431
2021/02/01	06	-19.5	0.8473	0.7945
2021/02/01	07	-19.9	0.7561	0.7843
2021/02/01	08	-22.1	0.6538	0.7217
2021/02/01	09	-18.1	0.5746	0.6127
2021/02/01	10	-15.3	0.5102	0.5206
2021/02/01	11	-12.6	0.4674	0.4532
2021/02/01	12	-10.9	0.4536	0.4234
2021/02/01	13	-8.9	0.4844	0.4139
2021/02/01	14	-7.2	0.5301	0.4383
2021/02/01	15	-5.9	0.5658	0.4892
2021/02/01	16	-6.1	0.5728	0.5418
2021/02/01	17	-7.5	0.5731	0.5748
2021/02/01	18	-9	0.5571	0.5809
2021/02/01	19	-10	0.5289	0.5679
2021/02/01	20	-11.5	0.4902	0.5474
2021/02/01	21	-11	0.4720	0.5062
2021/02/01	22	-10.2	0.4778	0.4766
2021/02/01	23	-11.1	0.5063	0.4597

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/02	00	-11	0.5462	0.4675
2021/02/02	01	-10.6	0.5916	0.4810
2021/02/02	02	-9.9	0.6486	0.4958
2021/02/02	03	-8.6	0.7153	0.5159
2021/02/02	04	-8.7	0.7785	0.5606
2021/02/02	05	-9.7	0.7966	0.6071
2021/02/02	06	-9.7	0.7417	0.6401
2021/02/02	07	-9.6	0.6586	0.6179
2021/02/02	08	-8.8	0.5699	0.5700
2021/02/02	09	-7.3	0.5024	0.5113
2021/02/02	10	-6.1	0.4696	0.4765
2021/02/02	11	-5.2	0.4504	0.4666
2021/02/02	12	-4.7	0.4483	0.4701
2021/02/02	13	-1.8	0.4345	0.4752
2021/02/02	14	-1.5	0.4585	0.4717
2021/02/02	15	-2.4	0.5135	0.4731
2021/02/02	16	-1.6	0.5306	0.4649
2021/02/02	17	-0.7	0.4991	0.4590
2021/02/02	18	0	0.4599	0.4435
2021/02/02	19	0.4	0.4776	0.4379
2021/02/02	20	0.3	0.5270	0.4206
2021/02/02	21	-1.6	0.5388	0.3759
2021/02/02	22	-2.1	0.5112	0.3547
2021/02/02	23	-2.5	0.4749	0.3591
2021/02/03	00	-2.5	0.4579	0.3818
2021/02/03	01	-3	0.4473	0.3708
2021/02/03	02	-3.3	0.4234	0.3532
2021/02/03	03	-3.7	0.3998	0.3672
2021/02/03	04	-3.7	0.3949	0.3937
2021/02/03	05	-3.3	0.4105	0.4149
2021/02/03	06	-3.3	0.4213	0.4017
2021/02/03	07	-3.9	0.4006	0.3896
2021/02/03	08	-4.2	0.3641	0.3849
2021/02/03	09	-4.2	0.3433	0.3945
2021/02/03	10	-4.2	0.3525	0.3973
2021/02/03	11	-4.1	0.3566	0.3723
2021/02/03	12	-4.1	0.3522	0.3765
2021/02/03	13	-2.3	0.3525	0.4130
2021/02/03	14	-0.2	0.3827	0.4837
2021/02/03	15	0.8	0.4145	0.4658
2021/02/03	16	1.2	0.4286	0.4054
2021/02/03	17	-0.3	0.4224	0.3318
2021/02/03	18	-0.3	0.4160	0.3714
2021/02/03	19	-0.7	0.3975	0.4189
2021/02/03	20	-1.5	0.3734	0.4471
2021/02/03	21	-1.2	0.3468	0.4050
2021/02/03	22	-2.4	0.3408	0.3768
2021/02/03	23	-2.3	0.3484	0.3765

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/04	00	-2.6	0.3716	0.3852
2021/02/04	01	-3.8	0.4039	0.3626
2021/02/04	02	-4.3	0.4569	0.3263
2021/02/04	03	-5.6	0.5254	0.3533
2021/02/04	04	-5.8	0.5891	0.4411
2021/02/04	05	-6.7	0.6116	0.5310
2021/02/04	06	-7	0.5704	0.5344
2021/02/04	07	-7.7	0.4919	0.4576
2021/02/04	08	-8	0.4106	0.3621
2021/02/04	09	-7.6	0.3552	0.2871
2021/02/04	10	-6	0.3185	0.2483
2021/02/04	11	-4.4	0.2957	0.2276
2021/02/04	12	-2.8	0.2963	0.2277
2021/02/04	13	-1.2	0.3246	0.2434
2021/02/04	14	-0.8	0.3728	0.2829
2021/02/04	15	0	0.4031	0.3310
2021/02/04	16	0.7	0.4168	0.3768
2021/02/04	17	-0.2	0.4193	0.4013
2021/02/04	18	-1.5	0.4213	0.4061
2021/02/04	19	-3	0.4057	0.4032
2021/02/04	20	-3.5	0.3768	0.3855
2021/02/04	21	-3.9	0.3478	0.3683
2021/02/04	22	-5.2	0.3379	0.3524
2021/02/04	23	-6	0.3412	0.3590
2021/02/05	00	-6.5	0.3576	0.3737
2021/02/05	01	-8.6	0.3808	0.3967
2021/02/05	02	-9.4	0.4221	0.4294
2021/02/05	03	-8	0.4831	0.4801
2021/02/05	04	-7.5	0.5393	0.5332
2021/02/05	05	-7.2	0.5627	0.5659
2021/02/05	06	-6.2	0.5390	0.5628
2021/02/05	07	-5.2	0.4949	0.5335
2021/02/05	08	-5	0.4487	0.4874
2021/02/05	09	-3.9	0.4171	0.4456
2021/02/05	10	-2.9	0.3767	0.3919
2021/02/05	11	-0.2	0.3617	0.3569
2021/02/05	12	2	0.3678	0.3445
2021/02/05	13	1.2	0.4048	0.3600
2021/02/05	14	0.6	0.4288	0.3839
2021/02/05	15	-0.3	0.4290	0.3996
2021/02/05	16	-0.6	0.4154	0.4172
2021/02/05	17	-1.7	0.4020	0.4270
2021/02/05	18	-2.7	0.3972	0.4214
2021/02/05	19	-3.5	0.3852	0.4114
2021/02/05	20	-4.2	0.3664	0.3874
2021/02/05	21	-4.5	0.3469	0.3672
2021/02/05	22	-5.4	0.3437	0.3452
2021/02/05	23	-6.2	0.3530	0.3427

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/06	00	-7.2	0.3702	0.3565
2021/02/06	01	-7.9	0.3944	0.3894
2021/02/06	02	-8	0.4349	0.4217
2021/02/06	03	-9	0.4921	0.4630
2021/02/06	04	-8.7	0.5584	0.5044
2021/02/06	05	-8.6	0.5990	0.5533
2021/02/06	06	-8.4	0.6056	0.5659
2021/02/06	07	-8.3	0.5645	0.5430
2021/02/06	08	-8.6	0.5149	0.4757
2021/02/06	09	-8	0.4673	0.4148
2021/02/06	10	-6.9	0.4378	0.3679
2021/02/06	11	-5.9	0.4302	0.3419
2021/02/06	12	-5.3	0.4343	0.3603
2021/02/06	13	-4.8	0.4334	0.3909
2021/02/06	14	-5.2	0.4201	0.4452
2021/02/06	15	-5.6	0.4410	0.4705
2021/02/06	16	-6.3	0.4753	0.4910
2021/02/06	17	-6.9	0.5054	0.4969
2021/02/06	18	-7.5	0.4901	0.4965
2021/02/06	19	-8.2	0.5004	0.4829
2021/02/06	20	-9.1	0.5144	0.4602
2021/02/06	21	-9.3	0.5162	0.4292
2021/02/06	22	-9.1	0.4948	0.4069
2021/02/06	23	-9.3	0.4760	0.4009
2021/02/07	00	-9.9	0.4681	0.3644
2021/02/07	01	-10.2	0.4560	0.3737
2021/02/07	02	-10.2	0.4478	0.3912
2021/02/07	03	-10	0.4428	0.4417
2021/02/07	04	-9.3	0.4392	0.4557
2021/02/07	05	-9.1	0.4206	0.4664
2021/02/07	06	-9.4	0.4053	0.4739
2021/02/07	07	-9.2	0.4080	0.4682
2021/02/07	08	-9.6	0.4351	0.4409
2021/02/07	09	-9.1	0.4707	0.4584
2021/02/07	10	-8.5	0.4749	0.5052
2021/02/07	11	-7.9	0.4533	0.5674
2021/02/07	12	-7.5	0.4287	0.5407
2021/02/07	13	-6.9	0.4410	0.4820
2021/02/07	14	-5.5	0.4710	0.4278
2021/02/07	15	-5.3	0.5035	0.4670
2021/02/07	16	-5.4	0.5056	0.4977
2021/02/07	17	-5.8	0.5113	0.5027
2021/02/07	18	-6.4	0.5301	0.4767
2021/02/07	19	-7.4	0.5498	0.4786
2021/02/07	20	-7.8	0.5517	0.5092
2021/02/07	21	-9.4	0.5230	0.5106
2021/02/07	22	-10	0.4953	0.5019
2021/02/07	23	-11.2	0.4838	0.4745

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/08	00	-12.8	0.4991	0.5160
2021/02/08	01	-13.7	0.5319	0.5816
2021/02/08	02	-15.2	0.5725	0.6570
2021/02/08	03	-15.3	0.6172	0.6092
2021/02/08	04	-15.8	0.6750	0.5375
2021/02/08	05	-16.5	0.7444	0.4622
2021/02/08	06	-17.1	0.8053	0.4840
2021/02/08	07	-18	0.8243	0.4940
2021/02/08	08	-18.7	0.7849	0.4739
2021/02/08	09	-16.4	0.7144	0.4188
2021/02/08	10	-13.1	0.6436	0.3735
2021/02/08	11	-10.9	0.5814	0.3596
2021/02/08	12	-9.2	0.5275	0.3541
2021/02/08	13	-8.7	0.5059	0.3802
2021/02/08	14	-7.9	0.5143	0.4244
2021/02/08	15	-6.7	0.5454	0.4845
2021/02/08	16	-8.2	0.5556	0.5065
2021/02/08	17	-8.2	0.5542	0.5160
2021/02/08	18	-9.4	0.5395	0.5133
2021/02/08	19	-11.9	0.5230	0.5042
2021/02/08	20	-12.8	0.5071	0.4691
2021/02/08	21	-12	0.4806	0.4280
2021/02/08	22	-12.4	0.4545	0.4057
2021/02/08	23	-12.3	0.4349	0.4060
2021/02/09	00	-11.7	0.4372	0.4217
2021/02/09	01	-11.1	0.4576	0.4444
2021/02/09	02	-10.9	0.4882	0.4763
2021/02/09	03	-11.4	0.5275	0.5243
2021/02/09	04	-11.9	0.5826	0.5780
2021/02/09	05	-12.1	0.6519	0.6138
2021/02/09	06	-12.2	0.7165	0.6039
2021/02/09	07	-12.1	0.7369	0.5614
2021/02/09	08	-12	0.6896	0.5135
2021/02/09	09	-11.6	0.6005	0.4725
2021/02/09	10	-9.9	0.5234	0.4230
2021/02/09	11	-9.8	0.4782	0.3554
2021/02/09	12	-7.3	0.4653	0.3057
2021/02/09	13	-7.2	0.4539	0.3225
2021/02/09	14	-6.6	0.4660	0.3860
2021/02/09	15	-6.6	0.4833	0.4496
2021/02/09	16	-7	0.5089	0.4706
2021/02/09	17	-7	0.5181	0.4749
2021/02/09	18	-9.3	0.5207	0.4726
2021/02/09	19	-9.1	0.5192	0.4629
2021/02/09	20	-9.4	0.5157	0.4408
2021/02/09	21	-8.8	0.4949	0.4141
2021/02/09	22	-10.8	0.4624	0.3949
2021/02/09	23	-9.6	0.4370	0.3950

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/10	00	-11.1	0.4421	0.4124
2021/02/10	01	-12.4	0.4725	0.4365
2021/02/10	02	-10.2	0.5174	0.4711
2021/02/10	03	-12.4	0.5689	0.5205
2021/02/10	04	-12.2	0.6361	0.5870
2021/02/10	05	-14	0.7182	0.6398
2021/02/10	06	-14.7	0.7969	0.6425
2021/02/10	07	-14.6	0.8221	0.6028
2021/02/10	08	-15.3	0.7726	0.5203
2021/02/10	09	-13.5	0.6718	0.4582
2021/02/10	10	-11.5	0.5727	0.4038
2021/02/10	11	-10.6	0.5003	0.3631
2021/02/10	12	-9.3	0.4698	0.3353
2021/02/10	13	-7.8	0.4789	0.3290
2021/02/10	14	-7.5	0.5122	0.3874
2021/02/10	15	-7.5	0.5382	0.4490
2021/02/10	16	-8.2	0.5495	0.5053
2021/02/10	17	-9.1	0.5538	0.5260
2021/02/10	18	-9.3	0.5550	0.5226
2021/02/10	19	-11.1	0.5492	0.5102
2021/02/10	20	-10.1	0.5321	0.4748
2021/02/10	21	-10.8	0.5044	0.4419
2021/02/10	22	-11	0.4938	0.4182
2021/02/10	23	-11.5	0.4995	0.4197
2021/02/11	00	-12	0.5112	0.4444
2021/02/11	01	-11.9	0.5019	0.4724
2021/02/11	02	-11.6	0.5008	0.5124
2021/02/11	03	-12.9	0.5290	0.5200
2021/02/11	04	-12.3	0.5521	0.5286
2021/02/11	05	-13.9	0.5502	0.5164
2021/02/11	06	-15.4	0.5308	0.5513
2021/02/11	07	-16.8	0.5500	0.5971
2021/02/11	08	-17.9	0.5816	0.6366
2021/02/11	09	-14.7	0.6113	0.6127
2021/02/11	10	-11.5	0.5970	0.5738
2021/02/11	11	-10.4	0.5891	0.5517
2021/02/11	12	-9.7	0.5890	0.5553
2021/02/11	13	-9.4	0.6191	0.5202
2021/02/11	14	-9.1	0.6248	0.4492
2021/02/11	15	-9.4	0.6102	0.4519
2021/02/11	16	-9.7	0.6007	0.5218
2021/02/11	17	-11.6	0.6506	0.6407
2021/02/11	18	-12.2	0.7256	0.6028
2021/02/11	19	-14.1	0.7218	0.4934
2021/02/11	20	-13.4	0.6528	0.3690
2021/02/11	21	-14.1	0.5735	0.4514
2021/02/11	22	-15.6	0.5924	0.6068
2021/02/11	23	-16.3	0.6241	0.7291

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/12	00	-17.2	0.6342	0.6398
2021/02/12	01	-18	0.6057	0.5166
2021/02/12	02	-19.2	0.6074	0.4379
2021/02/12	03	-19.2	0.6385	0.5151
2021/02/12	04	-19.3	0.6944	0.5736
2021/02/12	05	-20.9	0.7559	0.5798
2021/02/12	06	-21	0.8114	0.5417
2021/02/12	07	-22.9	0.8335	0.5312
2021/02/12	08	-22.3	0.8092	0.5550
2021/02/12	09	-21.2	0.7555	0.5510
2021/02/12	10	-19.6	0.6904	0.5349
2021/02/12	11	-18.2	0.6313	0.5092
2021/02/12	12	-17.4	0.5738	0.5061
2021/02/12	13	-16.4	0.5317	0.5212
2021/02/12	14	-15.3	0.5175	0.5711
2021/02/12	15	-14.8	0.5457	0.6088
2021/02/12	16	-14.7	0.5976	0.6344
2021/02/12	17	-15.7	0.6274	0.6312
2021/02/12	18	-15.1	0.6354	0.6188
2021/02/12	19	-15.8	0.6240	0.5883
2021/02/12	20	-16.5	0.6182	0.5554
2021/02/12	21	-16.9	0.5979	0.5474
2021/02/12	22	-17.5	0.5707	0.5664
2021/02/12	23	-18.5	0.5525	0.5999
2021/02/13	00	-19.2	0.5629	0.6297
2021/02/13	01	-17.9	0.5974	0.6593
2021/02/13	02	-20.5	0.6402	0.6998
2021/02/13	03	-20.7	0.6800	0.7502
2021/02/13	04	-20.6	0.7240	0.7942
2021/02/13	05	-21.9	0.7794	0.7912
2021/02/13	06	-22.3	0.8415	0.7306
2021/02/13	07	-21.8	0.8777	0.6478
2021/02/13	08	-21.8	0.8655	0.5806
2021/02/13	09	-18.6	0.7997	0.5482
2021/02/13	10	-17.3	0.7144	0.5333
2021/02/13	11	-16.9	0.6420	0.5233
2021/02/13	12	-16	0.5848	0.5375
2021/02/13	13	-15.3	0.5538	0.5687
2021/02/13	14	-14.4	0.5519	0.6056
2021/02/13	15	-13.5	0.5784	0.6179
2021/02/13	16	-12.8	0.6072	0.6108
2021/02/13	17	-12.6	0.6088	0.5950
2021/02/13	18	-13	0.5968	0.5793
2021/02/13	19	-13.2	0.5744	0.5435
2021/02/13	20	-13.2	0.5586	0.5123
2021/02/13	21	-13.2	0.5255	0.4914
2021/02/13	22	-13.6	0.4904	0.4993
2021/02/13	23	-14	0.4586	0.5147

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/14	00	-14.1	0.4498	0.5308
2021/02/14	01	-14	0.4601	0.5494
2021/02/14	02	-13.8	0.4805	0.5826
2021/02/14	03	-13.2	0.5038	0.6258
2021/02/14	04	-12.8	0.5390	0.6650
2021/02/14	05	-12.8	0.5888	0.6753
2021/02/14	06	-12.6	0.6494	0.6306
2021/02/14	07	-12.6	0.6922	0.5421
2021/02/14	08	-12.7	0.6720	0.4427
2021/02/14	09	-13.2	0.6039	0.3743
2021/02/14	10	-11.9	0.5116	0.3447
2021/02/14	11	-10.8	0.4472	0.3397
2021/02/14	12	-9.4	0.4068	0.3487
2021/02/14	13	-8.6	0.3842	0.3838
2021/02/14	14	-7.8	0.3861	0.4305
2021/02/14	15	-7.5	0.4110	0.4744
2021/02/14	16	-7.9	0.4605	0.4967
2021/02/14	17	-7.6	0.4956	0.5049
2021/02/14	18	-9.3	0.5139	0.5029
2021/02/14	19	-9.3	0.5097	0.4845
2021/02/14	20	-9.4	0.5033	0.4598
2021/02/14	21	-10.8	0.4836	0.4417
2021/02/14	22	-12.7	0.4559	0.4397
2021/02/14	23	-11.5	0.4430	0.4460
2021/02/15	00	-10.6	0.4494	0.4592
2021/02/15	01	-11.4	0.4526	0.4810
2021/02/15	02	-10.8	0.4453	0.5216
2021/02/15	03	-10.9	0.4369	0.5618
2021/02/15	04	-11.2	0.4705	0.5895
2021/02/15	05	-10.8	0.5164	0.5885
2021/02/15	06	-11.2	0.5569	0.5720
2021/02/15	07	-11	0.5556	0.5499
2021/02/15	08	-10.5	0.5364	0.5037
2021/02/15	09	-9.7	0.5082	0.4952
2021/02/15	10	-8.5	0.4923	0.4817
2021/02/15	11	-7.3	0.4727	0.4818
2021/02/15	12	-6.9	0.4481	0.4615
2021/02/15	13	-6.4	0.4362	0.4619
2021/02/15	14	-5.8	0.4590	0.5055
2021/02/15	15	-5.6	0.5054	0.5124
2021/02/15	16	-5.9	0.5119	0.4744
2021/02/15	17	-5.9	0.4925	0.3996
2021/02/15	18	-7.5	0.4682	0.4263
2021/02/15	19	-6.9	0.4934	0.4967
2021/02/15	20	-7.1	0.5077	0.5638
2021/02/15	21	-7	0.5032	0.5067
2021/02/15	22	-7	0.4701	0.4591
2021/02/15	23	-7.9	0.4565	0.4396

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/16	00	-8	0.4724	0.4690
2021/02/16	01	-8.2	0.4902	0.4698
2021/02/16	02	-8.2	0.5005	0.4541
2021/02/16	03	-8.3	0.4990	0.4511
2021/02/16	04	-8.5	0.5509	0.4604
2021/02/16	05	-8.3	0.6252	0.4660
2021/02/16	06	-8.3	0.6924	0.4551
2021/02/16	07	-8.1	0.6999	0.4392
2021/02/16	08	-8	0.6762	0.4407
2021/02/16	09	-8.1	0.6413	0.4422
2021/02/16	10	-8.5	0.6055	0.4329
2021/02/16	11	-9.2	0.5659	0.4080
2021/02/16	12	-10.2	0.5364	0.4276
2021/02/16	13	-10.9	0.5221	0.4802
2021/02/16	14	-11	0.5391	0.5373
2021/02/16	15	-11.1	0.5650	0.5558
2021/02/16	16	-11.2	0.5898	0.5544
2021/02/16	17	-11.2	0.5989	0.5463
2021/02/16	18	-10.9	0.5985	0.5227
2021/02/16	19	-11.1	0.5853	0.4914
2021/02/16	20	-11.2	0.5566	0.4653
2021/02/16	21	-11.9	0.5123	0.4593
2021/02/16	22	-12.8	0.4792	0.4682
2021/02/16	23	-13.2	0.4715	0.4933
2021/02/17	00	-14.2	0.4965	0.5250
2021/02/17	01	-15	0.5285	0.5664
2021/02/17	02	-15.7	0.5621	0.6156
2021/02/17	03	-15.9	0.6037	0.6805
2021/02/17	04	-17.3	0.6607	0.7209
2021/02/17	05	-18.5	0.7167	0.6855
2021/02/17	06	-19.8	0.7360	0.5842
2021/02/17	07	-20.3	0.7126	0.4689
2021/02/17	08	-19.5	0.6638	0.3982
2021/02/17	09	-17.2	0.6279	0.3651
2021/02/17	10	-15.3	0.5919	0.3523
2021/02/17	11	-12.7	0.5511	0.3541
2021/02/17	12	-10.8	0.5158	0.3669
2021/02/17	13	-9.1	0.5046	0.4054
2021/02/17	14	-8.2	0.5403	0.4637
2021/02/17	15	-7.3	0.5784	0.5145
2021/02/17	16	-7.4	0.6040	0.5372
2021/02/17	17	-7.6	0.5919	0.5304
2021/02/17	18	-8.9	0.5885	0.5123
2021/02/17	19	-10.1	0.5936	0.4786
2021/02/17	20	-10.4	0.6038	0.4467
2021/02/17	21	-10.6	0.5827	0.4239
2021/02/17	22	-14.6	0.5488	0.4258
2021/02/17	23	-11.9	0.5332	0.4426

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/18	00	-13.3	0.5444	0.4746
2021/02/18	01	-14	0.5651	0.5195
2021/02/18	02	-14	0.5681	0.5810
2021/02/18	03	-14.2	0.5802	0.6498
2021/02/18	04	-14.1	0.6230	0.6999
2021/02/18	05	-14.9	0.7183	0.6876
2021/02/18	06	-15.9	0.8032	0.6158
2021/02/18	07	-17.1	0.8180	0.5353
2021/02/18	08	-16.9	0.7662	0.4755
2021/02/18	09	-14.5	0.6847	0.4332
2021/02/18	10	-10.9	0.6122	0.4014
2021/02/18	11	-7.8	0.5376	0.3919
2021/02/18	12	-6.2	0.4706	0.4115
2021/02/18	13	-4.7	0.4341	0.4435
2021/02/18	14	-5	0.4363	0.4717
2021/02/18	15	-5	0.4687	0.4845
2021/02/18	16	-5.6	0.5042	0.4804
2021/02/18	17	-5.6	0.5227	0.4667
2021/02/18	18	-6.6	0.5244	0.4559
2021/02/18	19	-7.3	0.5171	0.4355
2021/02/18	20	-8.4	0.5022	0.4088
2021/02/18	21	-8.1	0.4718	0.3864
2021/02/18	22	-7.3	0.4390	0.3834
2021/02/18	23	-8.1	0.4192	0.3980
2021/02/19	00	-9.2	0.4240	0.4247
2021/02/19	01	-9.8	0.4455	0.4579
2021/02/19	02	-9.4	0.4728	0.5125
2021/02/19	03	-9.2	0.5125	0.5749
2021/02/19	04	-9.2	0.5636	0.6194
2021/02/19	05	-9.6	0.6306	0.6165
2021/02/19	06	-9.6	0.6755	0.5706
2021/02/19	07	-9.5	0.6739	0.5129
2021/02/19	08	-9.1	0.6237	0.4470
2021/02/19	09	-8.9	0.5553	0.4154
2021/02/19	10	-8.3	0.5029	0.4058
2021/02/19	11	-7.5	0.4659	0.4348
2021/02/19	12	-6.8	0.4453	0.4279
2021/02/19	13	-6.7	0.4346	0.4170
2021/02/19	14	-6.7	0.4419	0.4568
2021/02/19	15	-6.8	0.4642	0.4965
2021/02/19	16	-7.1	0.4804	0.5297
2021/02/19	17	-7.2	0.4881	0.5036
2021/02/19	18	-7.6	0.4849	0.5389
2021/02/19	19	-8.1	0.4857	0.5756
2021/02/19	20	-9.8	0.4818	0.5840
2021/02/19	21	-8.6	0.4662	0.5369
2021/02/19	22	-10	0.4487	0.4934
2021/02/19	23	-8.4	0.4395	0.4691

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/20	00	-9.6	0.4535	0.4545
2021/02/20	01	-11.6	0.4832	0.4098
2021/02/20	02	-13.2	0.5172	0.3651
2021/02/20	03	-11.6	0.5578	0.3597
2021/02/20	04	-12.3	0.6096	0.3878
2021/02/20	05	-12.6	0.6770	0.4155
2021/02/20	06	-12.7	0.7257	0.3878
2021/02/20	07	-13.2	0.7264	0.3552
2021/02/20	08	-14.1	0.6615	0.3371
2021/02/20	09	-12.2	0.5623	0.3602
2021/02/20	10	-11.1	0.4765	0.3891
2021/02/20	11	-9.1	0.4368	0.4168
2021/02/20	12	-7.4	0.4281	0.4315
2021/02/20	13	-5.5	0.4256	0.4445
2021/02/20	14	-4.8	0.4251	0.4522
2021/02/20	15	-4.6	0.4399	0.4617
2021/02/20	16	-4.3	0.4655	0.4797
2021/02/20	17	-4.1	0.4800	0.5196
2021/02/20	18	-4.9	0.4889	0.5210
2021/02/20	19	-5.3	0.4889	0.4985
2021/02/20	20	-4.6	0.4884	0.4424
2021/02/20	21	-5.5	0.4682	0.4113
2021/02/20	22	-8	0.4445	0.3840
2021/02/20	23	-11.1	0.4385	0.3752
2021/02/21	00	-11.5	0.4508	0.3774
2021/02/21	01	-13.4	0.4645	0.4001
2021/02/21	02	-11.8	0.4622	0.4277
2021/02/21	03	-13.2	0.4719	0.4645
2021/02/21	04	-15.8	0.4898	0.5139
2021/02/21	05	-13.6	0.5249	0.5733
2021/02/21	06	-14.5	0.5343	0.6248
2021/02/21	07	-15	0.5388	0.6067
2021/02/21	08	-13.9	0.5153	0.5375
2021/02/21	09	-12.8	0.5048	0.4353
2021/02/21	10	-9.7	0.4983	0.3654
2021/02/21	11	-5	0.5180	0.3159
2021/02/21	12	-3.7	0.5320	0.2912
2021/02/21	13	-2.5	0.5411	0.2790
2021/02/21	14	-1.9	0.5323	0.2850
2021/02/21	15	-1.5	0.4988	0.3096
2021/02/21	16	-1.5	0.4710	0.3618
2021/02/21	17	-2.4	0.4529	0.4116
2021/02/21	18	-3	0.4954	0.4471
2021/02/21	19	-4.7	0.5287	0.4548
2021/02/21	20	-5.4	0.5477	0.4454
2021/02/21	21	-6.3	0.5021	0.4267
2021/02/21	22	-6.9	0.4600	0.4032
2021/02/21	23	-9.5	0.4279	0.3927

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/22	00	-7.6	0.4477	0.3945
2021/02/22	01	-8.1	0.4621	0.4065
2021/02/22	02	-7.7	0.4915	0.4219
2021/02/22	03	-8	0.4986	0.4458
2021/02/22	04	-8.3	0.5224	0.4872
2021/02/22	05	-7.9	0.5313	0.5424
2021/02/22	06	-7.3	0.5422	0.5794
2021/02/22	07	-7	0.5344	0.5747
2021/02/22	08	-6.3	0.5239	0.5289
2021/02/22	09	-4.6	0.4958	0.4735
2021/02/22	10	-4	0.4653	0.4342
2021/02/22	11	-3.8	0.4372	0.4131
2021/02/22	12	-3.7	0.4264	0.4061
2021/02/22	13	-3.2	0.4313	0.3949
2021/02/22	14	-2.6	0.4381	0.3998
2021/02/22	15	-1.9	0.4389	0.4131
2021/02/22	16	-1.9	0.4344	0.4271
2021/02/22	17	-1.6	0.4223	0.4200
2021/02/22	18	-1.6	0.4098	0.4056
2021/02/22	19	-1.2	0.3935	0.3892
2021/02/22	20	-1	0.3693	0.3750
2021/02/22	21	-0.7	0.3378	0.3487
2021/02/22	22	0.1	0.3085	0.3248
2021/02/22	23	0.9	0.2934	0.3013
2021/02/23	00	1	0.2950	0.2907
2021/02/23	01	0.6	0.3054	0.2933
2021/02/23	02	0.3	0.3241	0.3063
2021/02/23	03	-0.1	0.3636	0.3381
2021/02/23	04	-0.3	0.4248	0.3809
2021/02/23	05	-0.3	0.4850	0.4430
2021/02/23	06	-0.1	0.5046	0.4783
2021/02/23	07	0.1	0.4737	0.4783
2021/02/23	08	-0.2	0.4230	0.4373
2021/02/23	09	0	0.3739	0.3946
2021/02/23	10	0.5	0.3480	0.3565
2021/02/23	11	0.9	0.3306	0.3248
2021/02/23	12	0.9	0.3267	0.2998
2021/02/23	13	0.8	0.3324	0.2935
2021/02/23	14	1.1	0.3476	0.3118
2021/02/23	15	0.8	0.3663	0.3389
2021/02/23	16	1	0.3685	0.3669
2021/02/23	17	1	0.3601	0.3789
2021/02/23	18	1.1	0.3454	0.3484
2021/02/23	19	1.4	0.3333	0.3108
2021/02/23	20	1.7	0.3164	0.2807
2021/02/23	21	2.1	0.2913	0.3087
2021/02/23	22	1.8	0.2705	0.3305
2021/02/23	23	2	0.2602	0.3465

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/24	00	1.6	0.2643	0.3275
2021/02/24	01	1.4	0.2740	0.3229
2021/02/24	02	0.9	0.2945	0.3282
2021/02/24	03	0.2	0.3368	0.3316
2021/02/24	04	-1.3	0.4091	0.3162
2021/02/24	05	-1.5	0.4758	0.2934
2021/02/24	06	-2.3	0.5017	0.3160
2021/02/24	07	-2.8	0.4572	0.3532
2021/02/24	08	-2.1	0.4041	0.3806
2021/02/24	09	-0.9	0.3632	0.3526
2021/02/24	10	-0.1	0.3623	0.3244
2021/02/24	11	1.4	0.3576	0.3090
2021/02/24	12	0.6	0.3631	0.3360
2021/02/24	13	0.2	0.3669	0.3480
2021/02/24	14	0.2	0.3767	0.3478
2021/02/24	15	0.1	0.3801	0.3419
2021/02/24	16	0	0.3747	0.3726
2021/02/24	17	0	0.3734	0.4287
2021/02/24	18	0	0.3674	0.4201
2021/02/24	19	0	0.3677	0.3713
2021/02/24	20	0	0.3503	0.3051
2021/02/24	21	0.1	0.3264	0.3294
2021/02/24	22	-0.1	0.3012	0.3497
2021/02/24	23	-1	0.2956	0.3481
2021/02/25	00	-2	0.3224	0.3129
2021/02/25	01	-2.6	0.3644	0.3008
2021/02/25	02	-3.7	0.4120	0.3250
2021/02/25	03	-4.3	0.4297	0.3653
2021/02/25	04	-4.8	0.4402	0.4273
2021/02/25	05	-5.3	0.4434	0.4856
2021/02/25	06	-6.9	0.4564	0.5221
2021/02/25	07	-7.3	0.4685	0.5024
2021/02/25	08	-5.7	0.4769	0.4390
2021/02/25	09	-5.3	0.4785	0.3755
2021/02/25	10	-6.6	0.4855	0.3300
2021/02/25	11	-7.5	0.4943	0.2956
2021/02/25	12	-7.6	0.4780	0.2701
2021/02/25	13	-7.5	0.4529	0.2626
2021/02/25	14	-7.5	0.4167	0.2928
2021/02/25	15	-7.7	0.4326	0.3324
2021/02/25	16	-7.8	0.4413	0.3992
2021/02/25	17	-8.5	0.4621	0.4530
2021/02/25	18	-10.8	0.4619	0.4913
2021/02/25	19	-10.3	0.4608	0.4883
2021/02/25	20	-11.5	0.4410	0.4737
2021/02/25	21	-10.9	0.4184	0.4436
2021/02/25	22	-10.6	0.4108	0.4128
2021/02/25	23	-10.2	0.4239	0.3883

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/26	00	-10.1	0.4508	0.3841
2021/02/26	01	-11.4	0.4811	0.3935
2021/02/26	02	-10.7	0.5201	0.4163
2021/02/26	03	-10.7	0.5077	0.4442
2021/02/26	04	-10.7	0.4880	0.4922
2021/02/26	05	-11.5	0.4465	0.5471
2021/02/26	06	-13.4	0.4577	0.5852
2021/02/26	07	-12.6	0.4494	0.5441
2021/02/26	08	-12.3	0.4434	0.4518
2021/02/26	09	-10	0.4087	0.3457
2021/02/26	10	-6.2	0.3785	0.2858
2021/02/26	11	-4.6	0.3399	0.2540
2021/02/26	12	-3.1	0.3195	0.2370
2021/02/26	13	-1.8	0.3116	0.2360
2021/02/26	14	-0.8	0.3354	0.2493
2021/02/26	15	0.3	0.3649	0.2775
2021/02/26	16	0.6	0.3947	0.3253
2021/02/26	17	0.2	0.4055	0.3631
2021/02/26	18	-2.3	0.4035	0.3952
2021/02/26	19	-3.3	0.3934	0.3972
2021/02/26	20	-4.1	0.3716	0.3950
2021/02/26	21	-5	0.3521	0.3849
2021/02/26	22	-4.9	0.3396	0.3770
2021/02/26	23	-10	0.3417	0.3700
2021/02/27	00	-10.6	0.3503	0.3766
2021/02/27	01	-9.9	0.3653	0.3913
2021/02/27	02	-10.9	0.3924	0.4189
2021/02/27	03	-12.2	0.4327	0.4424
2021/02/27	04	-11	0.4864	0.4792
2021/02/27	05	-10.3	0.5309	0.5243
2021/02/27	06	-10.2	0.5547	0.5670
2021/02/27	07	-9.5	0.5457	0.5763
2021/02/27	08	-8.2	0.5202	0.5618
2021/02/27	09	-6.9	0.4860	0.5200
2021/02/27	10	-5.8	0.4448	0.4840
2021/02/27	11	-5.2	0.3950	0.4443
2021/02/27	12	-4	0.3413	0.4214
2021/02/27	13	-1.1	0.3069	0.4026
2021/02/27	14	2.1	0.3095	0.3963
2021/02/27	15	3.1	0.3352	0.3939
2021/02/27	16	2.4	0.3603	0.3922
2021/02/27	17	1.3	0.3658	0.3830
2021/02/27	18	0	0.3577	0.3746
2021/02/27	19	-1.5	0.3426	0.3613
2021/02/27	20	-1.3	0.3226	0.3434
2021/02/27	21	-0.2	0.3055	0.2985
2021/02/27	22	0.4	0.2978	0.2588
2021/02/27	23	-0.3	0.3011	0.2554

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/02/28	00	-1.1	0.3107	0.2803
2021/02/28	01	-1.1	0.3251	0.2963
2021/02/28	02	-1.1	0.3493	0.2857
2021/02/28	03	-1.7	0.3870	0.2946
2021/02/28	04	-1.9	0.4374	0.3140
2021/02/28	05	-5.6	0.4836	0.3402
2021/02/28	06	-4.8	0.5015	0.3289
2021/02/28	07	-7.5	0.4792	0.3171
2021/02/28	08	-6.9	0.4344	0.3041
2021/02/28	09	-6.3	0.3825	0.3124
2021/02/28	10	-1	0.3258	0.3079
2021/02/28	11	0.9	0.2726	0.2951
2021/02/28	12	0.9	0.2348	0.2972
2021/02/28	13	2.8	0.2371	0.3400
2021/02/28	14	3.3	0.2689	0.3986
2021/02/28	15	3.3	0.3139	0.3892
2021/02/28	16	3.7	0.3452	0.3378
2021/02/28	17	2.8	0.3573	0.2737
2021/02/28	18	1.4	0.3512	0.3179
2021/02/28	19	1.4	0.3336	0.3731
2021/02/28	20	1.2	0.3064	0.4034
2021/02/28	21	1.5	0.2787	0.3492
2021/02/28	22	2.2	0.2568	0.3022
2021/02/28	23	3.5	0.2456	0.2858
2021/03/01	00	4.3	0.2471	0.2916
2021/03/01	01	4	0.2578	0.2797
2021/03/01	02	3	0.2825	0.2570
2021/03/01	03	2.7	0.3457	0.2774
2021/03/01	04	3.7	0.4137	0.3396
2021/03/01	05	3.2	0.4594	0.3986
2021/03/01	06	3.2	0.4333	0.4105
2021/03/01	07	2.8	0.4164	0.3814
2021/03/01	08	2.9	0.4326	0.3425
2021/03/01	09	2.8	0.4604	0.2911
2021/03/01	10	2	0.4684	0.2813
2021/03/01	11	0.7	0.4722	0.3011
2021/03/01	12	-1.2	0.4864	0.3477
2021/03/01	13	-2.3	0.5023	0.3711
2021/03/01	14	-3.3	0.5158	0.3908
2021/03/01	15	-4.4	0.5433	0.4260
2021/03/01	16	-5.5	0.5644	0.4584
2021/03/01	17	-6.4	0.5595	0.4933
2021/03/01	18	-8	0.5324	0.5048
2021/03/01	19	-9.7	0.5183	0.5098
2021/03/01	20	-11.7	0.5090	0.4991
2021/03/01	21	-13.2	0.5550	0.4914
2021/03/01	22	-14.7	0.5953	0.4906
2021/03/01	23	-15.6	0.6265	0.5046

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/02	00	-16.7	0.5825	0.5331
2021/03/02	01	-17.3	0.5477	0.5723
2021/03/02	02	-17.5	0.5236	0.6187
2021/03/02	03	-17.7	0.5425	0.6739
2021/03/02	04	-17.8	0.5453	0.7382
2021/03/02	05	-18.1	0.5513	0.7668
2021/03/02	06	-18.4	0.5451	0.7179
2021/03/02	07	-18.5	0.5352	0.6161
2021/03/02	08	-17.9	0.5177	0.5149
2021/03/02	09	-16.7	0.4924	0.4660
2021/03/02	10	-15.5	0.4729	0.4515
2021/03/02	11	-14.3	0.4561	0.4453
2021/03/02	12	-13.1	0.4558	0.4432
2021/03/02	13	-11.5	0.4647	0.4441
2021/03/02	14	-10	0.4850	0.4673
2021/03/02	15	-8.9	0.4983	0.5047
2021/03/02	16	-8.1	0.5044	0.5470
2021/03/02	17	-7.9	0.4950	0.5737
2021/03/02	18	-8.8	0.4801	0.5655
2021/03/02	19	-8.5	0.4467	0.5292
2021/03/02	20	-8.3	0.4084	0.4815
2021/03/02	21	-8.9	0.3788	0.4418
2021/03/02	22	-8.8	0.3716	0.4194
2021/03/02	23	-8.1	0.3804	0.4137
2021/03/03	00	-8	0.3930	0.4252
2021/03/03	01	-7.3	0.4138	0.4414
2021/03/03	02	-6	0.4515	0.4663
2021/03/03	03	-5.6	0.5166	0.5037
2021/03/03	04	-5.3	0.5729	0.5510
2021/03/03	05	-5.3	0.5903	0.5763
2021/03/03	06	-5	0.5519	0.5603
2021/03/03	07	-4.6	0.4922	0.5069
2021/03/03	08	-4.1	0.4389	0.4366
2021/03/03	09	-3.2	0.3991	0.3840
2021/03/03	10	-2.8	0.3777	0.3493
2021/03/03	11	-1.8	0.3698	0.3373
2021/03/03	12	-1.5	0.3816	0.3477
2021/03/03	13	-0.8	0.4014	0.3653
2021/03/03	14	-0.7	0.4195	0.4008
2021/03/03	15	-0.6	0.4274	0.4100
2021/03/03	16	-0.8	0.4227	0.4158
2021/03/03	17	-0.8	0.4186	0.4085
2021/03/03	18	-1.3	0.4122	0.4013
2021/03/03	19	-1.3	0.3937	0.3825
2021/03/03	20	-2	0.3642	0.3551
2021/03/03	21	-2	0.3396	0.3305
2021/03/03	22	-1.9	0.3372	0.3207
2021/03/03	23	-2.7	0.3510	0.3192

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/04	00	-3.6	0.3780	0.2943
2021/03/04	01	-4.2	0.4175	0.3505
2021/03/04	02	-5.4	0.4836	0.4240
2021/03/04	03	-6.6	0.5712	0.4728
2021/03/04	04	-7.9	0.6528	0.4457
2021/03/04	05	-8.2	0.6695	0.4154
2021/03/04	06	-10	0.6168	0.4625
2021/03/04	07	-10.5	0.5354	0.4909
2021/03/04	08	-11.5	0.4748	0.4889
2021/03/04	09	-11.9	0.4402	0.4897
2021/03/04	10	-12.1	0.4202	0.5233
2021/03/04	11	-11.5	0.4069	0.5534
2021/03/04	12	-10.5	0.4274	0.5221
2021/03/04	13	-10	0.4598	0.4716
2021/03/04	14	-9.2	0.5170	0.4522
2021/03/04	15	-8.9	0.5544	0.4506
2021/03/04	16	-8.2	0.5774	0.4189
2021/03/04	17	-8.8	0.5768	0.3709
2021/03/04	18	-8.7	0.5596	0.3890
2021/03/04	19	-8.8	0.5316	0.4514
2021/03/04	20	-9.1	0.4949	0.5341
2021/03/04	21	-9.7	0.4697	0.5011
2021/03/04	22	-10.3	0.4650	0.4279
2021/03/04	23	-11.2	0.4835	0.3479
2021/03/05	00	-12.2	0.5095	0.4246
2021/03/05	01	-12.7	0.5475	0.5575
2021/03/05	02	-13	0.5973	0.6761
2021/03/05	03	-13.5	0.6693	0.6082
2021/03/05	04	-13.9	0.7322	0.5152
2021/03/05	05	-14.4	0.7337	0.4536
2021/03/05	06	-15	0.6747	0.5249
2021/03/05	07	-15.4	0.5960	0.5582
2021/03/05	08	-15	0.5272	0.5438
2021/03/05	09	-14	0.4946	0.4845
2021/03/05	10	-12.3	0.4692	0.4395
2021/03/05	11	-11	0.4694	0.4268
2021/03/05	12	-8.5	0.4744	0.4246
2021/03/05	13	-7.2	0.4971	0.4495
2021/03/05	14	-6.6	0.5341	0.4789
2021/03/05	15	-6.8	0.5419	0.5127
2021/03/05	16	-6	0.5350	0.5331
2021/03/05	17	-6.7	0.5155	0.5388
2021/03/05	18	-8	0.5354	0.5395
2021/03/05	19	-9.6	0.5625	0.5304
2021/03/05	20	-10.5	0.5896	0.5074
2021/03/05	21	-9.8	0.5717	0.4749
2021/03/05	22	-10.1	0.5447	0.4569
2021/03/05	23	-10.5	0.5236	0.4547

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/06	00	-10.5	0.5322	0.4633
2021/03/06	01	-10.4	0.5427	0.4797
2021/03/06	02	-10.5	0.5356	0.5023
2021/03/06	03	-10.6	0.5259	0.5463
2021/03/06	04	-10.6	0.5198	0.5960
2021/03/06	05	-10.5	0.5202	0.6424
2021/03/06	06	-10.4	0.5085	0.6495
2021/03/06	07	-10.8	0.4930	0.6039
2021/03/06	08	-11.1	0.4769	0.5179
2021/03/06	09	-10.6	0.4749	0.4296
2021/03/06	10	-9.4	0.4690	0.3718
2021/03/06	11	-8.6	0.4608	0.3700
2021/03/06	12	-8	0.4500	0.3987
2021/03/06	13	-7.9	0.4519	0.4438
2021/03/06	14	-7.5	0.4753	0.4713
2021/03/06	15	-7.4	0.4971	0.4968
2021/03/06	16	-7.5	0.5156	0.5039
2021/03/06	17	-7.7	0.5283	0.5130
2021/03/06	18	-8.5	0.5391	0.5059
2021/03/06	19	-11.4	0.5341	0.5003
2021/03/06	20	-10.6	0.5079	0.4805
2021/03/06	21	-9.8	0.4719	0.4568
2021/03/06	22	-9.7	0.4488	0.4390
2021/03/06	23	-9.5	0.4458	0.4357
2021/03/07	00	-9.7	0.4649	0.4481
2021/03/07	01	-10	0.4953	0.4700
2021/03/07	02	-10.5	0.5377	0.5000
2021/03/07	03	-11.7	0.5935	0.5485
2021/03/07	04	-13.7	0.6453	0.6040
2021/03/07	05	-13.8	0.6822	0.6312
2021/03/07	06	-16.3	0.6802	0.5906
2021/03/07	07	-16.4	0.6455	0.5132
2021/03/07	08	-13.7	0.5847	0.4315
2021/03/07	09	-11.7	0.5173	0.3834
2021/03/07	10	-10.8	0.4599	0.3453
2021/03/07	11	-9.4	0.4128	0.3282
2021/03/07	12	-8.3	0.3842	0.3216
2021/03/07	13	-7.4	0.3727	0.3297
2021/03/07	14	-7.2	0.3882	0.3471
2021/03/07	15	-6.6	0.4169	0.3844
2021/03/07	16	-6.6	0.4583	0.4323
2021/03/07	17	-6.5	0.4935	0.4748
2021/03/07	18	-9.4	0.5183	0.5012
2021/03/07	19	-8.6	0.5196	0.5009
2021/03/07	20	-9.7	0.5032	0.4820
2021/03/07	21	-10.5	0.4806	0.4544
2021/03/07	22	-11.3	0.4713	0.4474
2021/03/07	23	-12.2	0.4831	0.4624

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/08	00	-12.8	0.5139	0.4976
2021/03/08	01	-14	0.5567	0.5286
2021/03/08	02	-13.7	0.6104	0.5733
2021/03/08	03	-15.1	0.6787	0.5868
2021/03/08	04	-16	0.7450	0.5320
2021/03/08	05	-16	0.7827	0.4349
2021/03/08	06	-17.1	0.7777	0.4478
2021/03/08	07	-18.5	0.7446	0.5599
2021/03/08	08	-17.5	0.6976	0.6677
2021/03/08	09	-13.7	0.6573	0.5792
2021/03/08	10	-10	0.6152	0.4464
2021/03/08	11	-6.1	0.5791	0.3426
2021/03/08	12	-4.3	0.5437	0.3838
2021/03/08	13	-3.6	0.5190	0.4107
2021/03/08	14	-3.3	0.5077	0.4107
2021/03/08	15	-3.5	0.4987	0.3700
2021/03/08	16	-2.3	0.4954	0.3742
2021/03/08	17	-2.2	0.4837	0.4235
2021/03/08	18	-2.5	0.4650	0.4260
2021/03/08	19	-2.4	0.4360	0.3852
2021/03/08	20	-2.4	0.4035	0.3179
2021/03/08	21	-2.8	0.3691	0.3685
2021/03/08	22	-3.1	0.3420	0.4263
2021/03/08	23	-3.3	0.3266	0.4377
2021/03/09	00	-3.1	0.3276	0.3886
2021/03/09	01	-3.5	0.3407	0.3749
2021/03/09	02	-6.4	0.3732	0.4098
2021/03/09	03	-5.7	0.4258	0.4072
2021/03/09	04	-5.8	0.4819	0.3446
2021/03/09	05	-7.3	0.5005	0.2668
2021/03/09	06	-9	0.4792	0.2755
2021/03/09	07	-7.3	0.4267	0.3355
2021/03/09	08	-4.6	0.3605	0.4068
2021/03/09	09	-0.7	0.2977	0.3524
2021/03/09	10	2.5	0.2412	0.2739
2021/03/09	11	3.7	0.2091	0.1944
2021/03/09	12	4.1	0.2121	0.1863
2021/03/09	13	4.8	0.2310	0.1995
2021/03/09	14	5	0.2825	0.2378
2021/03/09	15	5.2	0.2733	0.2744
2021/03/09	16	5.4	0.2669	0.3061
2021/03/09	17	5.2	0.2505	0.3198
2021/03/09	18	4.9	0.3076	0.3194
2021/03/09	19	4.3	0.3415	0.3113
2021/03/09	20	0.7	0.3392	0.2975
2021/03/09	21	1.3	0.3092	0.2906
2021/03/09	22	0.7	0.2981	0.2954
2021/03/09	23	-0.2	0.3165	0.3155

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/10	00	-1.1	0.3088	0.3413
2021/03/10	01	-1.9	0.2943	0.3764
2021/03/10	02	-2.9	0.2697	0.4240
2021/03/10	03	-4.4	0.2878	0.4850
2021/03/10	04	-4.7	0.3033	0.5026
2021/03/10	05	-4.4	0.3158	0.4487
2021/03/10	06	-6.3	0.3038	0.3491
2021/03/10	07	-5.7	0.2997	0.2611
2021/03/10	08	-3.7	0.2970	0.2075
2021/03/10	09	-0.6	0.2893	0.1746
2021/03/10	10	2	0.2845	0.1543
2021/03/10	11	3.4	0.2900	0.1463
2021/03/10	12	4.1	0.3052	0.1470
2021/03/10	13	5.4	0.3146	0.1669
2021/03/10	14	6.2	0.3134	0.2032
2021/03/10	15	7.8	0.3070	0.2748
2021/03/10	16	8	0.3125	0.3290
2021/03/10	17	4.8	0.3518	0.3416
2021/03/10	18	4.4	0.3653	0.3168
2021/03/10	19	5.3	0.3532	0.2859
2021/03/10	20	6.2	0.2926	0.2667
2021/03/10	21	8.7	0.2660	0.2399
2021/03/10	22	8.3	0.2537	0.2131
2021/03/10	23	8	0.2549	0.1996
2021/03/11	00	7.5	0.2397	0.1953
2021/03/11	01	7.3	0.2247	0.1972
2021/03/11	02	7.1	0.2156	0.2058
2021/03/11	03	7.4	0.2208	0.2211
2021/03/11	04	8	0.2509	0.2599
2021/03/11	05	7.8	0.3076	0.3125
2021/03/11	06	7.8	0.3610	0.3477
2021/03/11	07	7.4	0.3761	0.3383
2021/03/11	08	7.9	0.3206	0.3125
2021/03/11	09	9.5	0.2566	0.2611
2021/03/11	10	11	0.1898	#N/A
2021/03/11	11	11.3	0.1591	#N/A
2021/03/11	12	12.9	0.1316	#N/A
2021/03/11	13	13.7	0.1229	#N/A
2021/03/11	14	13.7	0.1213	#N/A
2021/03/11	15	14.7	0.1388	#N/A
2021/03/11	16	13.4	0.1657	#N/A
2021/03/11	17	13.2	0.1955	#N/A
2021/03/11	18	12.1	0.2119	#N/A
2021/03/11	19	12.7	0.2178	#N/A
2021/03/11	20	10.4	0.2238	#N/A
2021/03/11	21	9.9	0.2252	#N/A
2021/03/11	22	8.7	0.2230	#N/A
2021/03/11	23	6.8	0.2177	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/12	00	5.5	0.2195	#N/A
2021/03/12	01	5	0.2258	#N/A
2021/03/12	02	3.5	0.2364	#N/A
2021/03/12	03	2.8	0.2520	#N/A
2021/03/12	04	2.2	0.2866	#N/A
2021/03/12	05	1.7	0.3494	#N/A
2021/03/12	06	0.8	0.4092	#N/A
2021/03/12	07	1.1	0.4365	#N/A
2021/03/12	08	1.9	0.3951	#N/A
2021/03/12	09	2.4	0.3316	#N/A
2021/03/12	10	2.8	0.2817	#N/A
2021/03/12	11	3.8	0.2747	#N/A
2021/03/12	12	5.1	0.2674	#N/A
2021/03/12	13	5.8	0.2636	#N/A
2021/03/12	14	6.4	0.2692	#N/A
2021/03/12	15	5.2	0.3087	#N/A
2021/03/12	16	5.3	0.3598	#N/A
2021/03/12	17	2.8	0.4002	#N/A
2021/03/12	18	3.6	0.4243	#N/A
2021/03/12	19	-1	0.4366	#N/A
2021/03/12	20	-1.6	0.4424	#N/A
2021/03/12	21	-2.9	0.4320	#N/A
2021/03/12	22	-4.1	0.4060	#N/A
2021/03/12	23	-4.9	0.3802	#N/A
2021/03/13	00	-6	0.3739	#N/A
2021/03/13	01	-6.7	0.3873	#N/A
2021/03/13	02	-7.3	0.4126	#N/A
2021/03/13	03	-8.2	0.4447	#N/A
2021/03/13	04	-8.6	0.4897	#N/A
2021/03/13	05	-8.9	0.5512	#N/A
2021/03/13	06	-9.2	0.6042	#N/A
2021/03/13	07	-9.2	0.6153	#N/A
2021/03/13	08	-8.7	0.5706	#N/A
2021/03/13	09	-8.4	0.5064	#N/A
2021/03/13	10	-7.6	0.4554	#N/A
2021/03/13	11	-6.8	0.4193	#N/A
2021/03/13	12	-5	0.3928	#N/A
2021/03/13	13	-3.2	0.3798	#N/A
2021/03/13	14	-2.5	0.3926	#N/A
2021/03/13	15	-2.1	0.4190	#N/A
2021/03/13	16	-1.6	0.4377	#N/A
2021/03/13	17	-1.4	0.4380	#N/A
2021/03/13	18	-0.9	0.4210	#N/A
2021/03/13	19	-0.9	0.3966	#N/A
2021/03/13	20	-0.9	0.3715	#N/A
2021/03/13	21	-0.9	0.3605	#N/A
2021/03/13	22	-0.7	0.3549	#N/A
2021/03/13	23	-0.1	0.3639	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/14	00	-1.4	0.3640	#N/A
2021/03/14	01	-1.2	0.3655	#N/A
2021/03/14	02	-1.5	0.3570	#N/A
2021/03/14	03	-3.1	0.3598	#N/A
2021/03/14	04	-2.4	0.3669	#N/A
2021/03/14	05	-2.4	0.3893	#N/A
2021/03/14	06	-3	0.4103	#N/A
2021/03/14	07	-3.6	0.4270	#N/A
2021/03/14	08	-3	0.4385	#N/A
2021/03/14	09	-4.2	0.4256	#N/A
2021/03/14	10	-4.5	0.4146	#N/A
2021/03/14	11	-4.5	0.3968	#N/A
2021/03/14	12	-5	0.4179	#N/A
2021/03/14	13	-5.2	0.4410	#N/A
2021/03/14	14	-4	0.4670	#N/A
2021/03/14	15	-4.4	0.4637	#N/A
2021/03/14	16	-4.2	0.4696	#N/A
2021/03/14	17	-5.2	0.4836	#N/A
2021/03/14	18	-6.5	0.4971	#N/A
2021/03/14	19	-7.3	0.4893	#N/A
2021/03/14	20	-8.4	0.4598	#N/A
2021/03/14	21	-9.5	0.4588	#N/A
2021/03/14	22	-10	0.4677	#N/A
2021/03/14	23	-10.8	0.4948	#N/A
2021/03/15	00	-11.6	0.5007	#N/A
2021/03/15	01	-12.2	0.5045	#N/A
2021/03/15	02	-12.8	0.4957	#N/A
2021/03/15	03	-13.3	0.5181	#N/A
2021/03/15	04	-13.6	0.5798	#N/A
2021/03/15	05	-14	0.6703	#N/A
2021/03/15	06	-14.4	0.7011	#N/A
2021/03/15	07	-14.4	0.6596	#N/A
2021/03/15	08	-13.8	0.5733	#N/A
2021/03/15	09	-13.2	0.5009	#N/A
2021/03/15	10	-12.2	0.4483	#N/A
2021/03/15	11	-11.6	0.4049	#N/A
2021/03/15	12	-10.2	0.3732	#N/A
2021/03/15	13	-9	0.3522	#N/A
2021/03/15	14	-7.6	0.3486	#N/A
2021/03/15	15	-6.3	0.3605	#N/A
2021/03/15	16	-5.9	0.3931	#N/A
2021/03/15	17	-5.8	0.4307	#N/A
2021/03/15	18	-6.1	0.4540	#N/A
2021/03/15	19	-6.9	0.4573	#N/A
2021/03/15	20	-7.5	0.4353	#N/A
2021/03/15	21	-7.6	0.4094	#N/A
2021/03/15	22	-9.1	0.3910	#N/A
2021/03/15	23	-10.3	0.3943	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/16	00	-9.1	0.4149	#N/A
2021/03/16	01	-9.3	0.4462	#N/A
2021/03/16	02	-9.8	0.4903	#N/A
2021/03/16	03	-9.7	0.5515	#N/A
2021/03/16	04	-9.8	0.6261	#N/A
2021/03/16	05	-10.2	0.6859	#N/A
2021/03/16	06	-10.1	0.6824	#N/A
2021/03/16	07	-10	0.6224	#N/A
2021/03/16	08	-7.2	0.5345	#N/A
2021/03/16	09	-5	0.4576	#N/A
2021/03/16	10	-3.5	0.3880	#N/A
2021/03/16	11	-2.2	0.3313	#N/A
2021/03/16	12	-1.4	0.2917	#N/A
2021/03/16	13	0.1	0.2700	#N/A
2021/03/16	14	0.7	0.2594	#N/A
2021/03/16	15	1.7	0.2679	#N/A
2021/03/16	16	2.4	0.2946	#N/A
2021/03/16	17	2.9	0.3257	#N/A
2021/03/16	18	1.5	0.3486	#N/A
2021/03/16	19	0.7	0.3539	#N/A
2021/03/16	20	-2	0.3433	#N/A
2021/03/16	21	-2.3	0.3211	#N/A
2021/03/16	22	-1.7	0.3056	#N/A
2021/03/16	23	-2	0.3038	#N/A
2021/03/17	00	-3.1	0.3196	#N/A
2021/03/17	01	-3.2	0.3422	#N/A
2021/03/17	02	-4	0.3799	#N/A
2021/03/17	03	-4.8	0.4400	#N/A
2021/03/17	04	-6	0.5164	#N/A
2021/03/17	05	-4	0.5785	#N/A
2021/03/17	06	-3.4	0.5695	#N/A
2021/03/17	07	-3.6	0.5047	#N/A
2021/03/17	08	-1.3	0.4162	#N/A
2021/03/17	09	1	0.3453	#N/A
2021/03/17	10	2.8	0.2851	#N/A
2021/03/17	11	3.9	0.2341	#N/A
2021/03/17	12	4.9	0.2033	#N/A
2021/03/17	13	6.4	0.1973	#N/A
2021/03/17	14	7.3	0.2145	#N/A
2021/03/17	15	8	0.2476	#N/A
2021/03/17	16	7.3	0.2738	#N/A
2021/03/17	17	5.7	0.2880	#N/A
2021/03/17	18	4.8	0.2835	#N/A
2021/03/17	19	4.5	0.2767	#N/A
2021/03/17	20	3.9	0.2578	#N/A
2021/03/17	21	3.4	0.2390	#N/A
2021/03/17	22	3	0.2270	#N/A
2021/03/17	23	2.1	0.2304	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/18	00	2	0.2427	#N/A
2021/03/18	01	1.7	0.2541	#N/A
2021/03/18	02	1.4	0.2693	#N/A
2021/03/18	03	1.7	0.2960	#N/A
2021/03/18	04	1.8	0.3326	#N/A
2021/03/18	05	1.9	0.3655	#N/A
2021/03/18	06	1.3	0.3656	#N/A
2021/03/18	07	1.3	0.3495	#N/A
2021/03/18	08	1.7	0.3227	#N/A
2021/03/18	09	2.6	0.3299	#N/A
2021/03/18	10	3.7	0.3261	#N/A
2021/03/18	11	4.6	0.3192	#N/A
2021/03/18	12	4.3	0.2767	#N/A
2021/03/18	13	4.9	0.2474	#N/A
2021/03/18	14	4.8	0.2335	#N/A
2021/03/18	15	4.1	0.2480	#N/A
2021/03/18	16	2.8	0.2770	#N/A
2021/03/18	17	1.7	0.3188	#N/A
2021/03/18	18	0.2	0.3540	#N/A
2021/03/18	19	-0.6	0.3739	#N/A
2021/03/18	20	-1.4	0.3698	#N/A
2021/03/18	21	-2.4	0.3558	#N/A
2021/03/18	22	-3.4	0.3410	#N/A
2021/03/18	23	-4.4	0.3338	#N/A
2021/03/19	00	-5.5	0.3420	#N/A
2021/03/19	01	-6.3	0.3631	#N/A
2021/03/19	02	-6.9	0.3938	#N/A
2021/03/19	03	-7.5	0.4436	#N/A
2021/03/19	04	-8	0.5121	#N/A
2021/03/19	05	-8.5	0.5850	#N/A
2021/03/19	06	-9	0.6074	#N/A
2021/03/19	07	-8.5	0.5624	#N/A
2021/03/19	08	-7.7	0.4758	#N/A
2021/03/19	09	-6.7	0.4008	#N/A
2021/03/19	10	-5.6	0.3497	#N/A
2021/03/19	11	-3.7	0.3135	#N/A
2021/03/19	12	-2.4	0.2813	#N/A
2021/03/19	13	-2.2	0.2562	#N/A
2021/03/19	14	-0.7	0.2414	#N/A
2021/03/19	15	0	0.2385	#N/A
2021/03/19	16	0.5	0.2499	#N/A
2021/03/19	17	0.8	0.2746	#N/A
2021/03/19	18	0	0.2978	#N/A
2021/03/19	19	-0.5	0.3108	#N/A
2021/03/19	20	-1.1	0.3065	#N/A
2021/03/19	21	-1.2	0.2903	#N/A
2021/03/19	22	-1.9	0.2759	#N/A
2021/03/19	23	-2.1	0.2670	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/20	00	-2.5	0.2773	#N/A
2021/03/20	01	-2.9	0.2943	#N/A
2021/03/20	02	-3.1	0.3216	#N/A
2021/03/20	03	-3.5	0.3609	#N/A
2021/03/20	04	-4	0.4219	#N/A
2021/03/20	05	-4.3	0.4923	#N/A
2021/03/20	06	-4.7	0.5255	#N/A
2021/03/20	07	-2.9	0.4940	#N/A
2021/03/20	08	-0.4	0.4127	#N/A
2021/03/20	09	2.3	0.3316	#N/A
2021/03/20	10	5.1	0.2702	#N/A
2021/03/20	11	6.6	0.2237	#N/A
2021/03/20	12	8.7	0.1853	#N/A
2021/03/20	13	10.7	0.1576	#N/A
2021/03/20	14	12.3	0.1439	#N/A
2021/03/20	15	12.5	0.1436	#N/A
2021/03/20	16	13	0.1562	#N/A
2021/03/20	17	12.9	0.1753	#N/A
2021/03/20	18	10.6	0.1936	#N/A
2021/03/20	19	6.8	0.2040	#N/A
2021/03/20	20	5.4	0.2078	#N/A
2021/03/20	21	3.5	0.2093	#N/A
2021/03/20	22	1.8	0.2124	#N/A
2021/03/20	23	1.8	0.2217	#N/A
2021/03/21	00	-1.7	0.2352	#N/A
2021/03/21	01	-2	0.2557	#N/A
2021/03/21	02	-2.3	0.2798	#N/A
2021/03/21	03	-2	0.3196	#N/A
2021/03/21	04	-0.9	0.3797	#N/A
2021/03/21	05	-0.8	0.4468	#N/A
2021/03/21	06	-1	0.4857	#N/A
2021/03/21	07	-0.6	0.4629	#N/A
2021/03/21	08	1.8	0.4003	#N/A
2021/03/21	09	5.5	0.3192	#N/A
2021/03/21	10	8.8	0.2603	#N/A
2021/03/21	11	11.2	0.2080	#N/A
2021/03/21	12	13.2	0.1722	#N/A
2021/03/21	13	14.3	0.1407	#N/A
2021/03/21	14	14.9	0.1275	#N/A
2021/03/21	15	15.4	0.1332	#N/A
2021/03/21	16	15.1	0.1513	#N/A
2021/03/21	17	14.3	0.1750	#N/A
2021/03/21	18	12	0.1864	#N/A
2021/03/21	19	9.6	0.1976	#N/A
2021/03/21	20	8.6	0.1985	#N/A
2021/03/21	21	8.3	0.1999	#N/A
2021/03/21	22	7	0.1892	#N/A
2021/03/21	23	6.3	0.1828	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/22	00	2.3	0.1742	#N/A
2021/03/22	01	-2	0.1802	#N/A
2021/03/22	02	-1	0.1897	#N/A
2021/03/22	03	-1.4	0.2224	#N/A
2021/03/22	04	-2	0.2468	#N/A
2021/03/22	05	-2.5	0.2643	#N/A
2021/03/22	06	-3.6	0.2415	#N/A
2021/03/22	07	1	0.2318	#N/A
2021/03/22	08	4.4	0.2298	#N/A
2021/03/22	09	9	0.2797	#N/A
2021/03/22	10	12	0.3041	#N/A
2021/03/22	11	14.5	0.3178	#N/A
2021/03/22	12	16.2	0.2605	#N/A
2021/03/22	13	17	0.2501	#N/A
2021/03/22	14	17.4	0.2673	#N/A
2021/03/22	15	18	0.3351	#N/A
2021/03/22	16	17.8	0.3224	#N/A
2021/03/22	17	16.8	0.2799	#N/A
2021/03/22	18	13.1	0.2232	#N/A
2021/03/22	19	12.2	0.2289	#N/A
2021/03/22	20	10.7	0.2418	#N/A
2021/03/22	21	10.3	0.2380	#N/A
2021/03/22	22	8	0.2178	#N/A
2021/03/22	23	7.1	0.2032	#N/A
2021/03/23	00	7	0.2485	#N/A
2021/03/23	01	6.8	0.2818	#N/A
2021/03/23	02	6.8	0.2873	#N/A
2021/03/23	03	6	0.2330	#N/A
2021/03/23	04	5.1	0.2259	#N/A
2021/03/23	05	3	0.2362	#N/A
2021/03/23	06	-0.1	0.2645	#N/A
2021/03/23	07	3.1	0.2387	#N/A
2021/03/23	08	8	0.2017	#N/A
2021/03/23	09	10	0.1584	#N/A
2021/03/23	10	13.1	0.1284	#N/A
2021/03/23	11	15.5	0.1058	#N/A
2021/03/23	12	17.7	0.0928	#N/A
2021/03/23	13	18.8	0.0906	#N/A
2021/03/23	14	19.8	0.1026	#N/A
2021/03/23	15	19.5	0.1210	#N/A
2021/03/23	16	18.4	0.1395	#N/A
2021/03/23	17	17.6	0.1502	#N/A
2021/03/23	18	13.9	0.1524	#N/A
2021/03/23	19	12.6	0.1476	#N/A
2021/03/23	20	10.6	0.1411	#N/A
2021/03/23	21	9	0.1405	#N/A
2021/03/23	22	6.2	0.1454	#N/A
2021/03/23	23	5.6	0.1601	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/24	00	5.6	0.1749	#N/A
2021/03/24	01	7.6	0.1953	#N/A
2021/03/24	02	7.5	0.2320	#N/A
2021/03/24	03	7.4	0.2936	#N/A
2021/03/24	04	4	0.3676	#N/A
2021/03/24	05	3.5	0.4055	#N/A
2021/03/24	06	4.1	0.3901	#N/A
2021/03/24	07	4.8	0.3312	#N/A
2021/03/24	08	6.9	0.2582	#N/A
2021/03/24	09	8.8	0.2028	#N/A
2021/03/24	10	10.4	0.1636	#N/A
2021/03/24	11	9.9	0.1396	#N/A
2021/03/24	12	9.7	0.1185	#N/A
2021/03/24	13	10.3	0.1087	#N/A
2021/03/24	14	10.2	0.1259	#N/A
2021/03/24	15	10.1	0.1518	#N/A
2021/03/24	16	10.4	0.1728	#N/A
2021/03/24	17	10.2	0.1725	#N/A
2021/03/24	18	9.6	0.1639	#N/A
2021/03/24	19	9.2	0.1512	#N/A
2021/03/24	20	8.7	0.1393	#N/A
2021/03/24	21	8.9	0.1275	#N/A
2021/03/24	22	9.4	0.1193	#N/A
2021/03/24	23	10.8	0.1171	#N/A
2021/03/25	00	10.2	0.1216	#N/A
2021/03/25	01	9.4	0.1317	#N/A
2021/03/25	02	8	0.1543	#N/A
2021/03/25	03	7.8	0.2031	#N/A
2021/03/25	04	8	0.2653	#N/A
2021/03/25	05	9.3	0.3041	#N/A
2021/03/25	06	10	0.2907	#N/A
2021/03/25	07	10.2	0.2509	#N/A
2021/03/25	08	11.1	0.2087	#N/A
2021/03/25	09	12.3	0.1838	#N/A
2021/03/25	10	14.5	0.1585	#N/A
2021/03/25	11	16.8	0.1457	#N/A
2021/03/25	12	18.6	0.1406	#N/A
2021/03/25	13	18.9	0.1421	#N/A
2021/03/25	14	18.9	0.1468	#N/A
2021/03/25	15	18.6	0.1556	#N/A
2021/03/25	16	18.5	0.1686	#N/A
2021/03/25	17	17.2	0.1799	#N/A
2021/03/25	18	15.6	0.1853	#N/A
2021/03/25	19	13.7	0.1820	#N/A
2021/03/25	20	10.7	0.1745	#N/A
2021/03/25	21	9.6	0.1638	#N/A
2021/03/25	22	10.7	0.1584	#N/A
2021/03/25	23	11	0.1621	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/26	00	10.2	0.1675	#N/A
2021/03/26	01	9.2	0.1684	#N/A
2021/03/26	02	8.1	0.2043	#N/A
2021/03/26	03	7	0.2271	#N/A
2021/03/26	04	6.6	0.2625	#N/A
2021/03/26	05	6.1	0.2589	#N/A
2021/03/26	06	6	0.2858	#N/A
2021/03/26	07	6.3	0.3102	#N/A
2021/03/26	08	6	0.3226	#N/A
2021/03/26	09	5.7	0.3023	#N/A
2021/03/26	10	5.8	0.2891	#N/A
2021/03/26	11	6.1	0.2968	#N/A
2021/03/26	12	6.8	0.3195	#N/A
2021/03/26	13	6.1	0.3196	#N/A
2021/03/26	14	5	0.3118	#N/A
2021/03/26	15	4.4	0.2983	#N/A
2021/03/26	16	3.3	0.2992	#N/A
2021/03/26	17	3.1	0.3030	#N/A
2021/03/26	18	1.8	0.3142	#N/A
2021/03/26	19	1.8	0.3193	#N/A
2021/03/26	20	1.3	0.3234	#N/A
2021/03/26	21	0.9	0.3453	#N/A
2021/03/26	22	0.6	0.3696	#N/A
2021/03/26	23	0.4	0.3863	#N/A
2021/03/27	00	0.3	0.3700	#N/A
2021/03/27	01	-0.2	0.3688	#N/A
2021/03/27	02	-0.5	0.3806	#N/A
2021/03/27	03	-0.8	0.4122	#N/A
2021/03/27	04	-0.9	0.4135	#N/A
2021/03/27	05	-1	0.3924	#N/A
2021/03/27	06	-0.8	0.3668	#N/A
2021/03/27	07	-0.4	0.3575	#N/A
2021/03/27	08	0	0.3591	#N/A
2021/03/27	09	0.7	0.3470	#N/A
2021/03/27	10	1.4	0.3239	#N/A
2021/03/27	11	2.6	0.3016	#N/A
2021/03/27	12	3.1	0.2945	#N/A
2021/03/27	13	2.8	0.2968	#N/A
2021/03/27	14	3	0.3037	#N/A
2021/03/27	15	3.1	0.3066	#N/A
2021/03/27	16	3.9	0.3078	#N/A
2021/03/27	17	4	0.3011	#N/A
2021/03/27	18	3.4	0.2897	#N/A
2021/03/27	19	2.9	0.2720	#N/A
2021/03/27	20	2.9	0.2527	#N/A
2021/03/27	21	2.4	0.2369	#N/A
2021/03/27	22	2.3	0.2265	#N/A
2021/03/27	23	1.2	0.2262	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/28	00	1.7	0.2313	#N/A
2021/03/28	01	1.8	0.2417	#N/A
2021/03/28	02	2	0.2657	#N/A
2021/03/28	03	1.6	0.3109	#N/A
2021/03/28	04	1.3	0.3761	#N/A
2021/03/28	05	1.6	0.4259	#N/A
2021/03/28	06	1.6	0.4400	#N/A
2021/03/28	07	1.5	0.4191	#N/A
2021/03/28	08	1.8	0.3956	#N/A
2021/03/28	09	3	0.3813	#N/A
2021/03/28	10	4.3	0.3656	#N/A
2021/03/28	11	3.6	0.3480	#N/A
2021/03/28	12	5.3	0.3321	#N/A
2021/03/28	13	6.8	0.3212	#N/A
2021/03/28	14	7.6	0.3089	#N/A
2021/03/28	15	7.4	0.2993	#N/A
2021/03/28	16	9	0.2995	#N/A
2021/03/28	17	10.2	0.2994	#N/A
2021/03/28	18	10.4	0.2954	#N/A
2021/03/28	19	9.2	0.2789	#N/A
2021/03/28	20	6.6	0.2618	#N/A
2021/03/28	21	5.3	0.2484	#N/A
2021/03/28	22	4.3	0.2468	#N/A
2021/03/28	23	2.2	0.2559	#N/A
2021/03/29	00	2	0.2765	#N/A
2021/03/29	01	0.9	0.3060	#N/A
2021/03/29	02	0.3	0.3614	#N/A
2021/03/29	03	-0.7	0.4460	#N/A
2021/03/29	04	-1.8	0.5402	#N/A
2021/03/29	05	-2.4	0.5758	#N/A
2021/03/29	06	-3.8	0.5258	#N/A
2021/03/29	07	-4	0.4425	#N/A
2021/03/29	08	-3.6	0.3747	#N/A
2021/03/29	09	-3.3	0.3379	#N/A
2021/03/29	10	-1.8	0.3028	#N/A
2021/03/29	11	-0.7	0.2749	#N/A
2021/03/29	12	-0.1	0.2484	#N/A
2021/03/29	13	0.8	0.2377	#N/A
2021/03/29	14	2	0.2377	#N/A
2021/03/29	15	3	0.2602	#N/A
2021/03/29	16	3.7	0.2903	#N/A
2021/03/29	17	3.5	0.3182	#N/A
2021/03/29	18	2.4	0.3297	#N/A
2021/03/29	19	0.4	0.3187	#N/A
2021/03/29	20	0.2	0.2986	#N/A
2021/03/29	21	-2.8	0.2720	#N/A
2021/03/29	22	-3.9	0.2589	#N/A
2021/03/29	23	-2.3	0.2579	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/03/30	00	-2.5	0.2684	#N/A
2021/03/30	01	-1.5	0.2859	#N/A
2021/03/30	02	-2	0.3281	#N/A
2021/03/30	03	-1.1	0.3939	#N/A
2021/03/30	04	-1.2	0.4418	#N/A
2021/03/30	05	-0.9	0.4065	#N/A
2021/03/30	06	-0.7	0.3211	#N/A
2021/03/30	07	1.1	0.2664	#N/A
2021/03/30	08	3.3	0.2727	#N/A
2021/03/30	09	6	0.3045	#N/A
2021/03/30	10	9.7	0.2728	#N/A
2021/03/30	11	12.2	0.2257	#N/A
2021/03/30	12	13.6	0.1682	#N/A
2021/03/30	13	15.1	0.1733	#N/A
2021/03/30	14	16.1	0.1916	#N/A
2021/03/30	15	16.6	0.2070	#N/A
2021/03/30	16	17	0.1904	#N/A
2021/03/30	17	16.9	0.1838	#N/A
2021/03/30	18	15.3	0.2153	#N/A
2021/03/30	19	14.4	0.2355	#N/A
2021/03/30	20	14.1	0.2268	#N/A
2021/03/30	21	13.7	0.1715	#N/A
2021/03/30	22	14	0.1629	#N/A
2021/03/30	23	13.4	0.1720	#N/A
2021/03/31	00	13.6	0.2119	#N/A
2021/03/31	01	14.4	0.2096	#N/A
2021/03/31	02	12.7	0.2057	#N/A
2021/03/31	03	12	0.1802	#N/A
2021/03/31	04	12.1	0.1869	#N/A
2021/03/31	05	10.4	0.1954	#N/A
2021/03/31	06	10.7	0.2217	#N/A
2021/03/31	07	11.3	0.2223	#N/A
2021/03/31	08	12.3	0.2126	#N/A
2021/03/31	09	12.6	0.1882	#N/A
2021/03/31	10	12.4	0.1788	#N/A
2021/03/31	11	12.6	0.1808	#N/A
2021/03/31	12	12.6	0.1922	#N/A
2021/03/31	13	6.8	0.2002	#N/A
2021/03/31	14	6.1	0.2172	#N/A
2021/03/31	15	4.9	0.2382	#N/A
2021/03/31	16	4.7	0.2561	#N/A
2021/03/31	17	5	0.2581	#N/A
2021/03/31	18	5	0.2444	#N/A
2021/03/31	19	3.5	0.2287	#N/A
2021/03/31	20	2.1	0.2156	#N/A
2021/03/31	21	2.3	0.2128	#N/A
2021/03/31	22	1.7	0.2204	#N/A
2021/03/31	23	2.5	0.2349	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/01	00	3.2	0.2601	#N/A
2021/04/01	01	2.9	0.3032	#N/A
2021/04/01	02	2.7	0.3739	#N/A
2021/04/01	03	2.2	0.4513	#N/A
2021/04/01	04	1	0.5035	#N/A
2021/04/01	05	0.7	0.4975	#N/A
2021/04/01	06	0.1	0.4580	#N/A
2021/04/01	07	-0.9	0.4108	#N/A
2021/04/01	08	-1.3	0.3813	#N/A
2021/04/01	09	-1.3	0.3572	0.3569
2021/04/01	10	-1	0.3393	0.3319
2021/04/01	11	-1.4	0.3278	0.2876
2021/04/01	12	0.2	0.3244	0.2523
2021/04/01	13	-0.1	0.3263	0.2419
2021/04/01	14	-0.3	0.3357	0.2507
2021/04/01	15	-1.8	0.3672	0.2764
2021/04/01	16	-3	0.3950	0.3078
2021/04/01	17	-3.7	0.4004	0.3555
2021/04/01	18	-4.7	0.3773	0.3965
2021/04/01	19	-4.8	0.3495	0.4124
2021/04/01	20	-4.5	0.3347	0.4037
2021/04/01	21	-4.6	0.3275	0.3812
2021/04/01	22	-4.7	0.3341	0.3720
2021/04/01	23	-5.5	0.3519	0.3647
2021/04/02	00	-4.9	0.3840	0.3686
2021/04/02	01	-5.3	0.4298	0.3824
2021/04/02	02	-5.5	0.4914	0.4053
2021/04/02	03	-5.9	0.5487	0.4456
2021/04/02	04	-6.3	0.5663	0.4965
2021/04/02	05	-6.8	0.5297	0.5452
2021/04/02	06	-7.2	0.4692	0.5437
2021/04/02	07	-6.3	0.4189	0.4933
2021/04/02	08	-5.3	0.3833	0.4226
2021/04/02	09	-3.9	0.3461	0.3652
2021/04/02	10	-2.1	0.3079	0.3402
2021/04/02	11	-1	0.2744	0.3238
2021/04/02	12	0.3	0.2563	0.3179
2021/04/02	13	1.7	0.2480	0.3027
2021/04/02	14	2.5	0.2564	0.2898
2021/04/02	15	3.3	0.2798	0.2787
2021/04/02	16	2.9	0.3095	0.2848
2021/04/02	17	2.6	0.3297	0.3100
2021/04/02	18	1.6	0.3258	0.3335
2021/04/02	19	0.3	0.3079	0.3434
2021/04/02	20	-0.5	0.2947	0.3325
2021/04/02	21	-2.7	0.2926	0.3272
2021/04/02	22	-3.2	0.3079	0.3256
2021/04/02	23	-3.5	0.3289	0.3353

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/03	00	-5	0.3613	0.3517
2021/04/03	01	-4.1	0.4031	0.3708
2021/04/03	02	-6.3	0.4632	0.3968
2021/04/03	03	-6.9	0.5223	0.4355
2021/04/03	04	-6.8	0.5470	0.4888
2021/04/03	05	-7.5	0.5191	0.5323
2021/04/03	06	-6.7	0.4513	0.5212
2021/04/03	07	-3.8	0.3572	0.4646
2021/04/03	08	-0.5	0.2718	0.3845
2021/04/03	09	1.7	0.2139	0.3292
2021/04/03	10	4.5	0.2052	0.2818
2021/04/03	11	5.8	0.2379	0.2469
2021/04/03	12	7.8	0.2413	0.2142
2021/04/03	13	8.9	0.2496	0.1975
2021/04/03	14	9.5	0.2503	0.1934
2021/04/03	15	9.6	0.3155	0.1998
2021/04/03	16	9.9	0.3355	0.2192
2021/04/03	17	8.8	0.3199	0.2382
2021/04/03	18	6.7	0.2592	0.2595
2021/04/03	19	4.8	0.2560	0.2641
2021/04/03	20	4.8	0.2743	0.2608
2021/04/03	21	4.5	0.2855	0.2403
2021/04/03	22	4.2	0.2603	0.2287
2021/04/03	23	3.7	0.2287	0.2245
2021/04/04	00	3	0.2238	0.2335
2021/04/04	01	3	0.2275	0.2421
2021/04/04	02	2.4	0.2301	0.2583
2021/04/04	03	1.6	0.2084	0.2891
2021/04/04	04	1	0.1982	0.3360
2021/04/04	05	0.2	0.1908	0.3819
2021/04/04	06	0.2	0.2054	0.3829
2021/04/04	07	2.8	0.1950	0.3571
2021/04/04	08	5.5	0.1835	0.3041
2021/04/04	09	6.8	0.1578	0.2620
2021/04/04	10	9.1	0.1586	0.2171
2021/04/04	11	10.2	0.1663	0.1808
2021/04/04	12	10.9	0.1863	0.1599
2021/04/04	13	10.7	0.1878	0.1449
2021/04/04	14	12.5	0.1841	0.1422
2021/04/04	15	13	0.1691	0.1432
2021/04/04	16	13.3	0.1667	0.1560
2021/04/04	17	13.1	0.1661	0.1650
2021/04/04	18	12.1	0.1656	0.1709
2021/04/04	19	10.4	0.1613	0.1654
2021/04/04	20	8.5	0.1565	0.1493
2021/04/04	21	9.4	0.1605	0.1348
2021/04/04	22	8.6	0.1688	0.1306
2021/04/04	23	7.3	0.1837	0.1381

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/05	00	6.5	0.2086	0.1451
2021/04/05	01	5.3	0.2503	0.1531
2021/04/05	02	4.2	0.3141	0.1571
2021/04/05	03	3.4	0.3768	0.1695
2021/04/05	04	2.9	0.3935	0.1860
2021/04/05	05	1.9	0.3490	0.1968
2021/04/05	06	2.1	0.2817	0.2024
2021/04/05	07	3.7	0.2260	0.2013
2021/04/05	08	6	0.1962	0.2036
2021/04/05	09	7.8	0.1651	0.1980
2021/04/05	10	8.9	0.1386	0.1868
2021/04/05	11	9.9	0.1195	0.1980
2021/04/05	12	10.8	0.1089	0.2343
2021/04/05	13	12.1	0.1150	0.2944
2021/04/05	14	12.4	0.1234	0.2735
2021/04/05	15	13.4	0.1487	0.2365
2021/04/05	16	13.4	0.1668	0.1822
2021/04/05	17	13.2	0.1779	0.2382
2021/04/05	18	12	0.1721	0.2682
2021/04/05	19	10.1	0.1645	0.2786
2021/04/05	20	9	0.1664	0.2395
2021/04/05	21	6.5	0.1759	0.2257
2021/04/05	22	4.3	0.1938	0.2409
2021/04/05	23	4.6	0.2164	0.2343
2021/04/06	00	6.3	0.2421	0.2162
2021/04/06	01	5	0.2912	0.1873
2021/04/06	02	2.4	0.3666	0.2440
2021/04/06	03	-0.1	0.4415	0.3270
2021/04/06	04	-0.3	0.4520	0.4005
2021/04/06	05	1.5	0.3906	0.3804
2021/04/06	06	-0.8	0.3036	0.3099
2021/04/06	07	3.2	0.2315	0.2308
2021/04/06	08	5.1	0.1869	0.1782
2021/04/06	09	7.1	0.1479	0.1540
2021/04/06	10	8.3	0.1188	0.1363
2021/04/06	11	10.3	0.0977	0.1207
2021/04/06	12	11.7	0.0923	0.1060
2021/04/06	13	13.3	0.1081	0.1116
2021/04/06	14	14.2	0.1295	0.1223
2021/04/06	15	14.9	0.1483	0.1366
2021/04/06	16	15.8	0.1538	0.1498
2021/04/06	17	14.8	0.1496	0.1583
2021/04/06	18	11.9	0.1398	0.1578
2021/04/06	19	10.9	0.1249	0.1428
2021/04/06	20	7.3	0.1144	0.1296
2021/04/06	21	8.4	0.1111	0.1295
2021/04/06	22	7.6	0.1151	0.1358
2021/04/06	23	4.3	0.1238	0.1505

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/07	00	5.3	0.1365	0.1694
2021/04/07	01	6.4	0.1678	0.1991
2021/04/07	02	6.8	0.2229	0.2455
2021/04/07	03	5.7	0.2809	0.3071
2021/04/07	04	4.8	0.2910	0.3491
2021/04/07	05	2.2	0.2485	0.3308
2021/04/07	06	2.2	0.1833	0.2601
2021/04/07	07	6.1	0.1324	0.1810
2021/04/07	08	9.2	0.1032	0.1330
2021/04/07	09	12.1	0.0816	0.1087
2021/04/07	10	14.4	0.0711	0.0965
2021/04/07	11	15.4	0.0623	0.0885
2021/04/07	12	16.7	0.0674	0.0839
2021/04/07	13	17.2	0.0958	0.0897
2021/04/07	14	18.2	0.1298	0.1001
2021/04/07	15	17.8	0.1775	0.1154
2021/04/07	16	17.9	0.1918	0.1267
2021/04/07	17	17.4	0.1775	0.1304
2021/04/07	18	15	0.1415	0.1291
2021/04/07	19	13.2	0.1230	0.1140
2021/04/07	20	12.8	0.1192	0.1030
2021/04/07	21	11.5	0.1125	0.0911
2021/04/07	22	10.6	0.0988	0.0911
2021/04/07	23	9.8	0.0927	0.0962
2021/04/08	00	9	0.0898	0.1076
2021/04/08	01	8.1	0.0863	0.1256
2021/04/08	02	7.5	0.0831	0.1591
2021/04/08	03	7.4	0.0787	0.2073
2021/04/08	04	6.8	0.0769	0.2429
2021/04/08	05	6.1	0.0772	0.2344
2021/04/08	06	6.3	0.0805	0.1888
2021/04/08	07	8.1	0.0810	0.1400
2021/04/08	08	10.4	0.0834	0.1092
2021/04/08	09	13.1	0.0852	0.0924
2021/04/08	10	15.8	0.0914	0.0810
2021/04/08	11	17.4	0.0970	0.0727
2021/04/08	12	18.9	0.1105	0.0676
2021/04/08	13	20.2	0.1235	0.0719
2021/04/08	14	21.1	0.1428	0.0822
2021/04/08	15	21.6	0.1332	0.0995
2021/04/08	16	21.9	0.1288	0.1096
2021/04/08	17	21.1	0.1313	0.1088
2021/04/08	18	19.5	0.1867	0.0983
2021/04/08	19	17.2	0.1968	0.0827
2021/04/08	20	14.9	0.1752	0.0699
2021/04/08	21	14.4	0.1052	0.0614
2021/04/08	22	13.5	0.0699	0.0570
2021/04/08	23	13.3	0.0510	0.0809

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/09	00	12.2	0.0491	0.0924
2021/04/09	01	11.2	0.0543	0.1051
2021/04/09	02	10.7	0.0683	0.0872
2021/04/09	03	9.6	0.0893	0.0856
2021/04/09	04	7.5	0.1305	0.0893
2021/04/09	05	7.7	0.1728	0.0971
2021/04/09	06	8	0.1871	0.0934
2021/04/09	07	10.1	0.1643	0.0804
2021/04/09	08	14.5	0.1254	0.0917
2021/04/09	09	17.7	0.1027	0.1188
2021/04/09	10	19.5	0.0887	0.1493
2021/04/09	11	20.9	0.0810	0.1257
2021/04/09	12	21.5	0.0757	0.0989
2021/04/09	13	22.7	0.0755	0.0688
2021/04/09	14	22.7	0.0800	0.0942
2021/04/09	15	19.8	0.0895	0.1045
2021/04/09	16	20.5	0.1036	0.1137
2021/04/09	17	18.6	0.1128	0.0924
2021/04/09	18	17.6	0.1096	0.0804
2021/04/09	19	15.5	0.0994	0.0733
2021/04/09	20	15.6	0.0884	0.0747
2021/04/09	21	14.5	0.0832	0.0780
2021/04/09	22	13.4	0.0784	0.0780
2021/04/09	23	12.5	0.0769	0.0860
2021/04/10	00	11	0.0812	0.1018
2021/04/10	01	11	0.0916	0.1297
2021/04/10	02	10	0.1058	0.1225
2021/04/10	03	8.5	0.1236	0.1033
2021/04/10	04	9	0.1581	0.0808
2021/04/10	05	8.2	0.1989	0.1047
2021/04/10	06	9	0.2213	0.1246
2021/04/10	07	10.9	0.2084	0.1325
2021/04/10	08	14.4	0.1698	0.1152
2021/04/10	09	16.1	0.1346	0.0979
2021/04/10	10	18.1	0.1089	0.0859
2021/04/10	11	19.3	0.0930	0.0764
2021/04/10	12	20.9	0.0805	0.0705
2021/04/10	13	22	0.0708	0.0715
2021/04/10	14	23.3	0.0667	0.0786
2021/04/10	15	24.3	0.0720	0.0930
2021/04/10	16	24.4	0.0814	0.1002
2021/04/10	17	24	0.0904	0.0981
2021/04/10	18	22.1	0.0914	0.0849
2021/04/10	19	18.3	0.0840	0.0696
2021/04/10	20	17.2	0.0713	0.0603
2021/04/10	21	15.8	0.0595	0.0513
2021/04/10	22	15.8	0.0504	0.0470
2021/04/10	23	15.1	0.0457	0.0419

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/11	00	13.2	0.0416	0.0453
2021/04/11	01	13.3	0.0419	0.0531
2021/04/11	02	12.1	0.0461	0.0676
2021/04/11	03	10.5	0.0559	0.0948
2021/04/11	04	8.9	0.0770	0.1279
2021/04/11	05	8.1	0.1047	0.1518
2021/04/11	06	7.5	0.1247	0.1603
2021/04/11	07	8.7	0.1321	0.1525
2021/04/11	08	10.5	0.1269	0.1439
2021/04/11	09	12.8	0.1182	0.1325
2021/04/11	10	14.4	0.1052	0.1225
2021/04/11	11	15.7	0.0903	0.1141
2021/04/11	12	17.1	0.0814	0.1063
2021/04/11	13	18.4	0.0760	0.1079
2021/04/11	14	19.7	0.0757	0.1185
2021/04/11	15	18.6	0.0822	0.1322
2021/04/11	16	17.1	0.0957	0.1413
2021/04/11	17	16.4	0.1034	0.1376
2021/04/11	18	15.3	0.1034	0.1248
2021/04/11	19	14.6	0.0928	0.1089
2021/04/11	20	13.8	0.0826	0.0964
2021/04/11	21	12.7	0.0723	0.0909
2021/04/11	22	12.3	0.0675	0.0895
2021/04/11	23	12	0.0671	0.0926
2021/04/12	00	11.3	0.0640	0.1004
2021/04/12	01	10.6	0.0616	0.1115
2021/04/12	02	10.3	0.0591	0.1333
2021/04/12	03	9	0.0743	0.1670
2021/04/12	04	9.2	0.0833	0.1961
2021/04/12	05	8.6	0.0894	0.2028
2021/04/12	06	9.1	0.0797	0.1842
2021/04/12	07	9.9	0.0827	0.1527
2021/04/12	08	12	0.0909	0.1238
2021/04/12	09	13.7	0.1011	0.1038
2021/04/12	10	15.1	0.0980	0.0924
2021/04/12	11	16.2	0.0895	0.0849
2021/04/12	12	16.8	0.0908	0.0780
2021/04/12	13	16.1	0.1040	0.0819
2021/04/12	14	17.6	0.1165	0.0973
2021/04/12	15	17.1	0.1046	0.1164
2021/04/12	16	17.6	0.0942	0.1233
2021/04/12	17	17	0.0988	0.1178
2021/04/12	18	15.4	0.1314	0.1024
2021/04/12	19	14.2	0.1395	0.0896
2021/04/12	20	13.5	0.1248	0.0808
2021/04/12	21	12.8	0.0908	0.0778
2021/04/12	22	12	0.0886	0.0768
2021/04/12	23	11.4	0.0935	0.0770

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/13	00	11.1	0.1039	0.0819
2021/04/13	01	10.8	0.0940	0.0929
2021/04/13	02	10.6	0.0863	0.1028
2021/04/13	03	10	0.0882	0.1058
2021/04/13	04	9.5	0.1129	0.0997
2021/04/13	05	8.9	0.1489	0.1130
2021/04/13	06	8.6	0.1752	0.1417
2021/04/13	07	8.7	0.1772	0.1737
2021/04/13	08	10.2	0.1644	0.1460
2021/04/13	09	11	0.1472	0.1075
2021/04/13	10	13.3	0.1316	0.0723
2021/04/13	11	14.6	0.1132	0.0977
2021/04/13	12	16.4	0.1008	0.1098
2021/04/13	13	16.5	0.0933	0.1147
2021/04/13	14	16.9	0.0912	0.0978
2021/04/13	15	17.3	0.0930	0.0967
2021/04/13	16	17.5	0.1039	0.1080
2021/04/13	17	17.2	0.1156	0.1096
2021/04/13	18	16.3	0.1205	0.1037
2021/04/13	19	15	0.1130	0.0881
2021/04/13	20	13.9	0.1011	0.1037
2021/04/13	21	12.8	0.0899	0.1306
2021/04/13	22	12.2	0.0804	0.1541
2021/04/13	23	10.6	0.0756	0.1332
2021/04/14	00	10.6	0.0746	0.1047
2021/04/14	01	10.8	0.0798	0.0838
2021/04/14	02	10.7	0.0920	0.1051
2021/04/14	03	10.9	0.1152	0.1139
2021/04/14	04	10.6	0.1545	0.1173
2021/04/14	05	9.6	0.1973	0.1055
2021/04/14	06	8.5	0.2126	0.1073
2021/04/14	07	9.7	0.1923	0.1099
2021/04/14	08	11.6	0.1523	0.1003
2021/04/14	09	12.2	0.1176	0.0879
2021/04/14	10	13.9	0.0956	0.0747
2021/04/14	11	13.9	0.0794	0.0693
2021/04/14	12	15.5	0.0710	0.0710
2021/04/14	13	10.9	0.0665	0.0856
2021/04/14	14	13	0.0676	0.1034
2021/04/14	15	15.1	0.0746	0.1153
2021/04/14	16	14.3	0.0872	0.1152
2021/04/14	17	14.6	0.1037	0.1079
2021/04/14	18	14.4	0.1106	0.0971
2021/04/14	19	11.9	0.1046	0.0861
2021/04/14	20	11.7	0.0910	0.0793
2021/04/14	21	10	0.0807	0.0794
2021/04/14	22	8.9	0.0756	0.0844
2021/04/14	23	8.7	0.0755	0.0914

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/15	00	9.2	0.0780	0.0995
2021/04/15	01	9.5	0.0857	0.1228
2021/04/15	02	10.5	0.0945	0.1621
2021/04/15	03	9	0.1189	0.2133
2021/04/15	04	8.2	0.1592	0.2430
2021/04/15	05	8.2	0.2092	0.2556
2021/04/15	06	8.2	0.2420	0.2417
2021/04/15	07	8.4	0.2446	0.2320
2021/04/15	08	9.2	0.2141	0.2106
2021/04/15	09	9	0.1764	0.1974
2021/04/15	10	8.7	0.1462	0.1813
2021/04/15	11	9	0.1268	0.1879
2021/04/15	12	9.2	0.1170	0.1979
2021/04/15	13	9.3	0.1168	0.2135
2021/04/15	14	9.2	0.1431	0.2177
2021/04/15	15	9.2	0.1749	0.2202
2021/04/15	16	8.9	0.1961	0.2176
2021/04/15	17	8.2	0.1974	0.2121
2021/04/15	18	8.1	0.1871	0.2002
2021/04/15	19	7.5	0.1734	0.1893
2021/04/15	20	7.1	0.1594	0.1779
2021/04/15	21	6.6	0.1447	0.1767
2021/04/15	22	6.3	0.1392	0.1801
2021/04/15	23	6.3	0.1423	0.1969
2021/04/16	00	5.5	0.1576	0.2136
2021/04/16	01	5.3	0.1647	0.2524
2021/04/16	02	5	0.1614	0.2946
2021/04/16	03	4.5	0.1464	0.3416
2021/04/16	04	3.7	0.1502	0.3504
2021/04/16	05	3	0.1640	0.3329
2021/04/16	06	2.5	0.1829	0.2867
2021/04/16	07	3.1	0.1787	0.2539
2021/04/16	08	3.8	0.1646	0.2193
2021/04/16	09	4.9	0.1625	0.2093
2021/04/16	10	5.9	0.1800	0.2004
2021/04/16	11	5.8	0.1996	0.2069
2021/04/16	12	7.9	0.1870	0.2123
2021/04/16	13	8.3	0.1766	0.2210
2021/04/16	14	7	0.1817	0.2310
2021/04/16	15	7.5	0.2090	0.2408
2021/04/16	16	7.5	0.2145	0.2483
2021/04/16	17	7.4	0.1994	0.2440
2021/04/16	18	7.4	0.1793	0.2304
2021/04/16	19	6.4	0.1790	0.2131
2021/04/16	20	6.2	0.1827	0.2027
2021/04/16	21	5.4	0.1843	0.1993
2021/04/16	22	4.5	0.1731	0.2030
2021/04/16	23	4.2	0.1626	0.2127

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/17	00	4	0.1682	0.2264
2021/04/17	01	3.9	0.1784	0.2468
2021/04/17	02	3.8	0.1894	0.2810
2021/04/17	03	4.2	0.1906	0.3049
2021/04/17	04	4.1	0.2143	0.3148
2021/04/17	05	3.8	0.2526	0.2491
2021/04/17	06	3.9	0.2875	0.1817
2021/04/17	07	5.7	0.2867	0.1339
2021/04/17	08	6.7	0.2625	0.1687
2021/04/17	09	7.3	0.2347	0.1962
2021/04/17	10	8.1	0.2149	0.1943
2021/04/17	11	8.5	0.1978	0.1717
2021/04/17	12	9.5	0.1791	0.1712
2021/04/17	13	10.8	0.1626	0.1926
2021/04/17	14	11.6	0.1440	0.1907
2021/04/17	15	11.9	0.1370	0.1764
2021/04/17	16	11.8	0.1424	0.1535
2021/04/17	17	12.1	0.1534	0.1876
2021/04/17	18	11.2	0.1597	0.2323
2021/04/17	19	9.7	0.1537	0.2740
2021/04/17	20	8.4	0.1447	0.2315
2021/04/17	21	8.2	0.1368	0.1875
2021/04/17	22	7.5	0.1329	0.1483
2021/04/17	23	6.8	0.1369	0.1885
2021/04/18	00	6.4	0.1437	0.2162
2021/04/18	01	5.9	0.1557	0.2357
2021/04/18	02	5	0.1754	0.2054
2021/04/18	03	5.1	0.2119	0.1856
2021/04/18	04	5.1	0.2578	0.1749
2021/04/18	05	4	0.2893	0.1829
2021/04/18	06	5.2	0.2858	0.1742
2021/04/18	07	5.5	0.2469	0.1527
2021/04/18	08	6.2	0.1995	0.1398
2021/04/18	09	6.8	0.1643	0.1407
2021/04/18	10	8.1	0.1441	0.1422
2021/04/18	11	9.8	0.1283	0.1292
2021/04/18	12	11.9	0.1130	0.1242
2021/04/18	13	13.2	0.1096	0.1293
2021/04/18	14	15.6	0.1194	0.1473
2021/04/18	15	13.4	0.1331	0.1552
2021/04/18	16	13.8	0.1432	0.1580
2021/04/18	17	11.4	0.1445	0.1459
2021/04/18	18	11.1	0.1451	0.1313
2021/04/18	19	9.6	0.1376	0.1177
2021/04/18	20	9.2	0.1287	0.1121
2021/04/18	21	8.8	0.1161	0.1131
2021/04/18	22	8.4	0.1072	0.1191
2021/04/18	23	8.3	0.1085	0.1275

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/19	00	7.9	0.1192	0.1468
2021/04/19	01	6.9	0.1358	0.1849
2021/04/19	02	6.5	0.1634	0.2396
2021/04/19	03	6	0.2127	0.2713
2021/04/19	04	5.6	0.2718	0.2569
2021/04/19	05	3.2	0.3106	0.2085
2021/04/19	06	4.8	0.2999	0.1551
2021/04/19	07	7.5	0.2509	0.1223
2021/04/19	08	9	0.1930	0.1022
2021/04/19	09	10.9	0.1521	0.0955
2021/04/19	10	12.3	0.1231	0.0881
2021/04/19	11	13.7	0.1010	0.0841
2021/04/19	12	15	0.0856	0.0877
2021/04/19	13	15.2	0.0806	0.0998
2021/04/19	14	17.6	0.0861	0.1143
2021/04/19	15	17.8	0.0957	0.1255
2021/04/19	16	16.1	0.1108	0.1294
2021/04/19	17	16.4	0.1197	0.1225
2021/04/19	18	15.3	0.1182	0.1108
2021/04/19	19	13	0.1106	0.0989
2021/04/19	20	11.9	0.1010	0.0948
2021/04/19	21	10.8	0.0947	0.0954
2021/04/19	22	10.7	0.0959	0.1012
2021/04/19	23	11	0.1072	0.1099
2021/04/20	00	11.2	0.1256	0.1227
2021/04/20	01	11.2	0.1443	0.1518
2021/04/20	02	9.3	0.1762	0.1914
2021/04/20	03	7.8	0.2096	0.2388
2021/04/20	04	5.5	0.2389	0.2610
2021/04/20	05	5.4	0.2510	0.2527
2021/04/20	06	4.9	0.2734	0.2218
2021/04/20	07	4.4	0.2888	0.1980
2021/04/20	08	5.6	0.2889	0.1878
2021/04/20	09	5.7	0.2691	0.1843
2021/04/20	10	5.9	0.2640	0.1792
2021/04/20	11	7.3	0.2793	0.1851
2021/04/20	12	6	0.2962	0.2007
2021/04/20	13	6.5	0.2943	0.2199
2021/04/20	14	6.8	0.2822	0.2353
2021/04/20	15	6	0.2761	0.2486
2021/04/20	16	5.8	0.2798	0.2518
2021/04/20	17	5	0.2874	0.2403
2021/04/20	18	4.3	0.2835	0.2245
2021/04/20	19	3.7	0.2844	0.2067
2021/04/20	20	3.5	0.2990	0.2040
2021/04/20	21	3	0.3393	0.1985
2021/04/20	22	2.5	0.3595	0.2123
2021/04/20	23	2.1	0.3421	0.2272

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/21	00	1.9	0.3016	0.2572
2021/04/21	01	1.6	0.3127	0.2978
2021/04/21	02	-0.1	0.3598	0.3587
2021/04/21	03	-1.3	0.4081	0.4126
2021/04/21	04	-1.1	0.4135	0.4348
2021/04/21	05	-2.4	0.3951	0.4265
2021/04/21	06	-3	0.3766	0.4067
2021/04/21	07	-2.6	0.3664	0.3900
2021/04/21	08	-3.1	0.3544	0.3593
2021/04/21	09	-2.9	0.3296	0.3313
2021/04/21	10	-2.6	0.2928	0.3119
2021/04/21	11	-2.1	0.2599	0.2622
2021/04/21	12	-1.3	0.2513	0.2189
2021/04/21	13	-0.3	0.2646	0.2717
2021/04/21	14	0.6	0.2859	0.3078
2021/04/21	15	1.5	0.3012	0.3504
2021/04/21	16	2	0.3142	0.2912
2021/04/21	17	1.5	0.3288	0.3577
2021/04/21	18	0.6	0.3361	0.3949
2021/04/21	19	0.3	0.3223	0.4185
2021/04/21	20	0.3	0.3007	0.3658
2021/04/21	21	-0.2	0.2757	0.3441
2021/04/21	22	-1.3	0.2637	0.3454
2021/04/21	23	-2.2	0.2624	0.3579
2021/04/22	00	-2.2	0.2756	0.3419
2021/04/22	01	-2.3	0.2967	0.3191
2021/04/22	02	-3.1	0.3338	0.3064
2021/04/22	03	-2.7	0.3914	0.3084
2021/04/22	04	-3.1	0.4526	0.3198
2021/04/22	05	-3.1	0.4754	0.3217
2021/04/22	06	-2.7	0.4392	0.3224
2021/04/22	07	-2.2	0.3781	0.3109
2021/04/22	08	-1.9	0.3257	0.3003
2021/04/22	09	-0.9	0.2956	0.2966
2021/04/22	10	1.1	0.2707	0.3012
2021/04/22	11	2.2	0.2463	0.3051
2021/04/22	12	3.2	0.2254	0.3081
2021/04/22	13	4.3	0.2135	0.3079
2021/04/22	14	4.9	0.2153	0.3211
2021/04/22	15	5.4	0.2292	0.3381
2021/04/22	16	5.4	0.2459	0.3699
2021/04/22	17	6	0.2558	0.3651
2021/04/22	18	5.9	0.2638	0.3460
2021/04/22	19	5.3	0.2580	0.3044
2021/04/22	20	3.8	0.2501	0.2874
2021/04/22	21	2.6	0.2373	0.2731
2021/04/22	22	1.9	0.2360	0.2631
2021/04/22	23	0.2	0.2398	0.2618

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/23	00	0.2	0.2491	0.2666
2021/04/23	01	0.6	0.2634	0.2827
2021/04/23	02	0.5	0.2976	0.3076
2021/04/23	03	0.6	0.3579	0.3499
2021/04/23	04	1.1	0.4225	0.3987
2021/04/23	05	1.2	0.4410	0.4258
2021/04/23	06	1.6	0.3889	0.3977
2021/04/23	07	5	0.3052	0.3246
2021/04/23	08	6.1	0.2308	0.2457
2021/04/23	09	7.9	0.1893	0.2009
2021/04/23	10	9.5	0.1565	0.1773
2021/04/23	11	11.3	0.1328	0.1587
2021/04/23	12	12.8	0.1127	0.1398
2021/04/23	13	13.8	0.1013	0.1267
2021/04/23	14	14.9	0.1003	0.1244
2021/04/23	15	15.3	0.1040	0.1292
2021/04/23	16	15.8	0.1122	0.1375
2021/04/23	17	15.7	0.1166	0.1432
2021/04/23	18	15.1	0.1170	0.1454
2021/04/23	19	12.9	0.1113	0.1495
2021/04/23	20	11.9	0.1053	0.1450
2021/04/23	21	10.1	0.1022	0.1344
2021/04/23	22	9.7	0.1051	0.1279
2021/04/23	23	9.1	0.1124	0.1309
2021/04/24	00	8.8	0.1266	0.1433
2021/04/24	01	8	0.1442	0.1584
2021/04/24	02	6.3	0.1691	0.1774
2021/04/24	03	6.1	0.2001	0.2057
2021/04/24	04	5.5	0.2409	0.2470
2021/04/24	05	4.5	0.2553	0.2759
2021/04/24	06	6.1	0.2397	0.2770
2021/04/24	07	8.3	0.2079	0.2484
2021/04/24	08	11.9	0.1866	0.2095
2021/04/24	09	13.6	0.1711	0.1710
2021/04/24	10	16.5	0.1543	0.1365
2021/04/24	11	18.4	0.1404	0.1125
2021/04/24	12	18.8	0.1340	0.0969
2021/04/24	13	18.3	0.1314	0.0846
2021/04/24	14	18.4	0.1294	0.0835
2021/04/24	15	17.9	0.1289	0.1005
2021/04/24	16	17.6	0.1332	0.1138
2021/04/24	17	17.7	0.1430	0.1237
2021/04/24	18	16.4	0.1553	0.1165
2021/04/24	19	14.8	0.1576	0.1087
2021/04/24	20	12.6	0.1477	0.0970
2021/04/24	21	11.2	0.1426	0.0898
2021/04/24	22	9.7	0.1518	0.0894
2021/04/24	23	9.3	0.1800	0.0980

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/25	00	8.7	0.1988	0.1115
2021/04/25	01	8.4	0.1975	0.1317
2021/04/25	02	6.2	0.1837	0.1497
2021/04/25	03	5.4	0.1840	0.1750
2021/04/25	04	4.9	0.2014	0.2110
2021/04/25	05	5.4	0.2229	0.2491
2021/04/25	06	5.8	0.2323	0.2678
2021/04/25	07	8.6	0.2279	0.2548
2021/04/25	08	11.7	0.2126	0.2276
2021/04/25	09	12.9	0.1985	0.1915
2021/04/25	10	12.9	0.1989	0.1659
2021/04/25	11	12.1	0.2119	0.1520
2021/04/25	12	12.3	0.2278	0.1482
2021/04/25	13	11.5	0.2427	0.1490
2021/04/25	14	13.2	0.2569	0.1484
2021/04/25	15	7.9	0.2721	0.1547
2021/04/25	16	12.1	0.2882	0.1585
2021/04/25	17	10	0.2948	0.1760
2021/04/25	18	7.2	0.2942	0.1871
2021/04/25	19	3.7	0.2779	0.1985
2021/04/25	20	2.7	0.2648	0.1885
2021/04/25	21	1.6	0.2555	0.1827
2021/04/25	22	0.9	0.2573	0.1778
2021/04/25	23	0.7	0.2652	0.1819
2021/04/26	00	0.2	0.2823	0.1821
2021/04/26	01	-0.4	0.3009	0.1770
2021/04/26	02	-0.6	0.3373	0.1785
2021/04/26	03	-0.8	0.3821	0.1870
2021/04/26	04	-1	0.4152	0.2023
2021/04/26	05	-1.2	0.4046	0.2019
2021/04/26	06	-1.4	0.3540	0.1972
2021/04/26	07	-1	0.3001	0.1887
2021/04/26	08	0.6	0.2576	0.1953
2021/04/26	09	1.9	0.2302	0.2113
2021/04/26	10	3.1	0.2031	0.2321
2021/04/26	11	5.4	0.1802	0.2283
2021/04/26	12	6.8	0.1612	0.2223
2021/04/26	13	8.5	0.1515	0.2071
2021/04/26	14	9.5	0.1557	0.2321
2021/04/26	15	10.3	0.1684	0.2704
2021/04/26	16	11.1	0.1800	0.3294
2021/04/26	17	10.7	0.1817	0.3030
2021/04/26	18	9.7	0.1830	0.2618
2021/04/26	19	7.5	0.1864	0.2063
2021/04/26	20	6.4	0.1901	0.2653
2021/04/26	21	5	0.1895	0.3089
2021/04/26	22	3.1	0.1883	0.3287
2021/04/26	23	2.6	0.1910	0.2784

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/27	00	1.7	0.1987	0.2441
2021/04/27	01	3.4	0.2099	0.2343
2021/04/27	02	1.7	0.2347	0.2530
2021/04/27	03	1.8	0.2826	0.2907
2021/04/27	04	2.8	0.3369	0.3406
2021/04/27	05	2.8	0.3755	0.3615
2021/04/27	06	3.8	0.3595	0.3263
2021/04/27	07	5.8	0.3143	0.2632
2021/04/27	08	6.8	0.2543	0.2116
2021/04/27	09	7.8	0.2147	0.1873
2021/04/27	10	8.9	0.1772	0.1661
2021/04/27	11	10.1	0.1507	0.1438
2021/04/27	12	11.1	0.1357	0.1220
2021/04/27	13	12.1	0.1190	0.1101
2021/04/27	14	12.7	0.1258	0.1130
2021/04/27	15	14	0.1353	0.1222
2021/04/27	16	14.3	0.1510	0.1356
2021/04/27	17	14.5	0.1536	0.1400
2021/04/27	18	13.2	0.1483	0.1429
2021/04/27	19	13.3	0.1379	0.1372
2021/04/27	20	12.7	0.1263	0.1234
2021/04/27	21	11.7	0.1199	0.1077
2021/04/27	22	11.8	0.1139	0.0954
2021/04/27	23	10.1	0.1128	0.0929
2021/04/28	00	10.4	0.1155	0.0984
2021/04/28	01	9.8	0.1245	0.1056
2021/04/28	02	8.4	0.1469	0.1207
2021/04/28	03	8.4	0.1893	0.1413
2021/04/28	04	7.6	0.2271	0.1816
2021/04/28	05	7.3	0.2435	0.2156
2021/04/28	06	8.8	0.2292	0.2142
2021/04/28	07	11.3	0.2096	0.1748
2021/04/28	08	13.3	0.1958	0.1267
2021/04/28	09	15.1	0.1845	0.1056
2021/04/28	10	15.2	0.1784	0.1005
2021/04/28	11	15.1	0.1729	0.1070
2021/04/28	12	14	0.1696	0.1175
2021/04/28	13	11.6	0.1668	0.1317
2021/04/28	14	10.8	0.1734	0.1486
2021/04/28	15	9.8	0.1815	0.1619
2021/04/28	16	8.9	0.1929	0.1739
2021/04/28	17	8.9	0.1903	0.1783
2021/04/28	18	8.4	0.1906	0.1740
2021/04/28	19	8.6	0.1792	0.1644
2021/04/28	20	8.7	0.1698	0.1501
2021/04/28	21	8.8	0.1591	0.1388
2021/04/28	22	8.8	0.1534	0.1295
2021/04/28	23	8.7	0.1522	0.1234

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/04/29	00	8.8	0.1527	0.1279
2021/04/29	01	8.3	0.1601	0.1340
2021/04/29	02	7.9	0.1616	0.1464
2021/04/29	03	7.9	0.1678	0.1720
2021/04/29	04	8.3	0.1689	0.2090
2021/04/29	05	8.2	0.1715	0.2450
2021/04/29	06	8.6	0.1581	0.2487
2021/04/29	07	9.6	0.1369	0.2242
2021/04/29	08	10.9	0.1164	0.1808
2021/04/29	09	12.7	0.1080	0.1414
2021/04/29	10	13.8	0.1110	0.1201
2021/04/29	11	14.5	0.1129	0.1052
2021/04/29	12	15.5	0.1082	0.1015
2021/04/29	13	16.3	0.1001	0.0987
2021/04/29	14	15.9	0.0976	0.1160
2021/04/29	15	15.5	0.1000	0.1339
2021/04/29	16	15.7	0.1027	0.1508
2021/04/29	17	15.4	0.1006	0.1486
2021/04/29	18	14.7	0.0954	0.1412
2021/04/29	19	12.9	0.0863	0.1263
2021/04/29	20	13.2	0.0811	0.1380
2021/04/29	21	11.8	0.0815	0.1582
2021/04/29	22	12.2	0.0823	0.1964
2021/04/29	23	11.1	0.0834	0.1763
2021/04/30	00	10.7	0.0851	0.1456
2021/04/30	01	10.1	0.1025	0.1032
2021/04/30	02	9.8	0.1281	0.1575
2021/04/30	03	10	0.1616	0.2209
2021/04/30	04	9.8	0.1778	0.2953
2021/04/30	05	9.7	0.1842	0.2449
2021/04/30	06	9.7	0.1828	0.1917
2021/04/30	07	9.9	0.1971	0.1322
2021/04/30	08	10.1	0.2173	0.1907
2021/04/30	09	10.3	0.2363	0.2405
2021/04/30	10	10.4	0.2463	0.2809
2021/04/30	11	10.1	0.2524	0.2368
2021/04/30	12	9.6	0.2627	0.2138
2021/04/30	13	6.7	0.2747	0.2026
2021/04/30	14	2.4	0.2877	0.2346
2021/04/30	15	1.5	0.2957	0.2478
2021/04/30	16	0.9	0.2975	0.2546
2021/04/30	17	0.4	0.2940	0.2545
2021/04/30	18	0.8	0.2825	0.2488
2021/04/30	19	1	0.2654	0.2372
2021/04/30	20	1.7	0.2489	0.2350
2021/04/30	21	2.7	0.2432	0.2442
2021/04/30	22	2.5	0.2470	0.2617
2021/04/30	23	2.5	0.2588	0.2454

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/01	00	2.2	0.2752	0.2229
2021/05/01	01	1.8	0.2990	0.1996
2021/05/01	02	0.9	0.3326	0.2480
2021/05/01	03	0.2	0.3710	0.3180
2021/05/01	04	-0.5	0.3814	0.3784
2021/05/01	05	-0.8	0.3675	0.3682
2021/05/01	06	-0.6	0.3253	0.3277
2021/05/01	07	0.3	0.2871	0.2860
2021/05/01	08	1.4	0.2486	0.2668
2021/05/01	09	2.5	0.2144	0.2466
2021/05/01	10	3.3	0.1853	0.2305
2021/05/01	11	4.8	0.1641	0.2054
2021/05/01	12	6.1	0.1570	0.1856
2021/05/01	13	7.9	0.1752	0.1705
2021/05/01	14	8.7	0.1947	0.1592
2021/05/01	15	10.2	0.2110	0.1642
2021/05/01	16	11.2	0.2127	0.1794
2021/05/01	17	10	0.2113	0.2081
2021/05/01	18	7.3	0.2084	0.2258
2021/05/01	19	6.5	0.1970	0.2292
2021/05/01	20	4.8	0.1876	0.2147
2021/05/01	21	4.7	0.1745	0.1980
2021/05/01	22	4.3	0.1736	0.1880
2021/05/01	23	3.7	0.1792	0.1883
2021/05/02	00	3.7	0.1950	0.1945
2021/05/02	01	3.7	0.2124	0.2026
2021/05/02	02	4	0.2406	0.2098
2021/05/02	03	3.9	0.2750	0.2372
2021/05/02	04	2.7	0.3029	0.2771
2021/05/02	05	1.9	0.3097	0.3195
2021/05/02	06	2.5	0.2922	0.3361
2021/05/02	07	4.6	0.2596	0.3259
2021/05/02	08	6	0.2199	0.2959
2021/05/02	09	7.6	0.1842	0.2548
2021/05/02	10	8.6	0.1580	0.2073
2021/05/02	11	9.3	0.1442	0.1675
2021/05/02	12	10.9	0.1322	0.1388
2021/05/02	13	13	0.1361	0.1269
2021/05/02	14	13.5	0.1364	0.1258
2021/05/02	15	13.9	0.1503	0.1347
2021/05/02	16	13.7	0.1520	0.1410
2021/05/02	17	14.2	0.1565	0.1441
2021/05/02	18	12.8	0.1522	0.1421
2021/05/02	19	11.6	0.1474	0.1359
2021/05/02	20	11.6	0.1459	0.1226
2021/05/02	21	11.1	0.1453	0.1067
2021/05/02	22	11.2	0.1470	0.0985
2021/05/02	23	10.8	0.1437	0.1097

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/03	00	10.4	0.1397	0.1187
2021/05/03	01	8.8	0.1426	0.1324
2021/05/03	02	8.3	0.1531	0.1393
2021/05/03	03	7.7	0.1729	0.1751
2021/05/03	04	6.9	0.1853	0.2215
2021/05/03	05	6.9	0.1879	0.2662
2021/05/03	06	7	0.1843	0.2850
2021/05/03	07	7.5	0.1864	0.2788
2021/05/03	08	7.5	0.1887	0.2697
2021/05/03	09	7.3	0.1862	0.2595
2021/05/03	10	7	0.1710	0.2594
2021/05/03	11	6.7	0.1654	0.2600
2021/05/03	12	6.5	0.1664	0.2658
2021/05/03	13	6.2	0.1778	0.2730
2021/05/03	14	6.4	0.1836	0.2806
2021/05/03	15	6.3	0.1861	0.2823
2021/05/03	16	5.9	0.1871	0.2825
2021/05/03	17	6	0.1905	0.2748
2021/05/03	18	5.8	0.1910	0.2660
2021/05/03	19	5.6	0.1826	0.2464
2021/05/03	20	5.7	0.1715	0.2289
2021/05/03	21	6.1	0.1645	0.2061
2021/05/03	22	6.5	0.1692	0.1930
2021/05/03	23	6.8	0.1735	0.1834
2021/05/04	00	7	0.1790	0.1840
2021/05/04	01	7.4	0.1895	0.1892
2021/05/04	02	7.8	0.2180	0.2008
2021/05/04	03	7.8	0.2501	0.2298
2021/05/04	04	8.1	0.2693	0.2711
2021/05/04	05	8.3	0.2566	0.3041
2021/05/04	06	8.7	0.2333	0.2989
2021/05/04	07	9.6	0.2045	0.2763
2021/05/04	08	10.8	0.1889	0.2362
2021/05/04	09	11.3	0.1786	0.2147
2021/05/04	10	12.8	0.1804	0.1815
2021/05/04	11	12.9	0.1834	0.1599
2021/05/04	12	13	0.1881	0.1361
2021/05/04	13	13.1	0.1922	0.1332
2021/05/04	14	13.2	0.1948	0.1427
2021/05/04	15	12.8	0.1942	0.1634
2021/05/04	16	12.2	0.1869	0.1697
2021/05/04	17	12	0.1777	0.1734
2021/05/04	18	11.3	0.1644	0.1603
2021/05/04	19	10.2	0.1524	0.1512
2021/05/04	20	9.9	0.1404	0.1475
2021/05/04	21	9.1	0.1330	0.1516
2021/05/04	22	9.1	0.1295	0.1608
2021/05/04	23	8.1	0.1317	0.1473

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/05	00	7.9	0.1377	0.1302
2021/05/05	01	7.9	0.1563	0.1145
2021/05/05	02	7.9	0.1994	0.1429
2021/05/05	03	8	0.2459	0.1745
2021/05/05	04	8.2	0.2710	0.2004
2021/05/05	05	8.1	0.2589	0.1755
2021/05/05	06	8.2	0.2271	0.1538
2021/05/05	07	8.5	0.1974	0.1343
2021/05/05	08	9	0.1746	0.1533
2021/05/05	09	9.2	0.1640	0.1650
2021/05/05	10	9.8	0.1572	0.1730
2021/05/05	11	10.2	0.1606	0.1629
2021/05/05	12	10.2	0.1641	0.1684
2021/05/05	13	10.6	0.1684	0.1888
2021/05/05	14	10.3	0.1715	0.1911
2021/05/05	15	10.3	0.1793	0.1851
2021/05/05	16	10.4	0.1870	0.1634
2021/05/05	17	10	0.1858	0.1853
2021/05/05	18	10.3	0.1746	0.2025
2021/05/05	19	9.7	0.1631	0.2116
2021/05/05	20	8.5	0.1549	0.1908
2021/05/05	21	8.6	0.1547	0.1734
2021/05/05	22	8.2	0.1593	0.1750
2021/05/05	23	7.8	0.1730	0.1784
2021/05/06	00	7.5	0.1923	0.1837
2021/05/06	01	7	0.2299	0.1807
2021/05/06	02	6.6	0.2867	0.2127
2021/05/06	03	5.4	0.3257	0.2535
2021/05/06	04	4.1	0.3237	0.2843
2021/05/06	05	3.4	0.2732	0.2671
2021/05/06	06	4.3	0.2155	0.2243
2021/05/06	07	5.5	0.1718	0.1863
2021/05/06	08	7.4	0.1471	0.1625
2021/05/06	09	8.9	0.1359	0.1508
2021/05/06	10	10	0.1276	0.1368
2021/05/06	11	11.5	0.1197	0.1225
2021/05/06	12	13	0.1220	0.1146
2021/05/06	13	12.2	0.1320	0.1199
2021/05/06	14	12	0.1473	0.1296
2021/05/06	15	13.3	0.1649	0.1375
2021/05/06	16	13.2	0.1740	0.1445
2021/05/06	17	12.5	0.1799	0.1506
2021/05/06	18	11.5	0.1764	0.1488
2021/05/06	19	9.6	0.1695	0.1384
2021/05/06	20	9.5	0.1665	0.1266
2021/05/06	21	9	0.1572	0.1221
2021/05/06	22	8.7	0.1540	0.1265
2021/05/06	23	7.9	0.1526	0.1390

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/07	00	7.1	0.1617	0.1548
2021/05/07	01	6.2	0.1795	0.1751
2021/05/07	02	5.6	0.2096	0.2120
2021/05/07	03	5.4	0.2294	0.2610
2021/05/07	04	4.6	0.2377	0.2956
2021/05/07	05	2.6	0.2199	0.2925
2021/05/07	06	5.2	0.2041	0.2450
2021/05/07	07	8	0.1836	0.1885
2021/05/07	08	8	0.1746	0.1393
2021/05/07	09	9.1	0.1722	0.1143
2021/05/07	10	11.5	0.1734	0.1019
2021/05/07	11	11.6	0.1706	0.0959
2021/05/07	12	10.9	0.1690	0.0932
2021/05/07	13	11.7	0.1651	0.1023
2021/05/07	14	12.1	0.1764	0.1186
2021/05/07	15	11.4	0.1807	0.1356
2021/05/07	16	10.9	0.1893	0.1465
2021/05/07	17	10.2	0.1765	0.1447
2021/05/07	18	9.1	0.1725	0.1413
2021/05/07	19	8	0.1751	0.1324
2021/05/07	20	7.4	0.1828	0.1283
2021/05/07	21	7.2	0.1795	0.1244
2021/05/07	22	7	0.1671	0.1242
2021/05/07	23	6.9	0.1561	0.1288
2021/05/08	00	6.9	0.1584	0.1373
2021/05/08	01	6.7	0.1670	0.1518
2021/05/08	02	6.6	0.1802	0.1783
2021/05/08	03	6.5	0.1938	0.2174
2021/05/08	04	6.6	0.2198	0.2497
2021/05/08	05	6.8	0.2452	0.2595
2021/05/08	06	6.6	0.2647	0.2387
2021/05/08	07	6.5	0.2602	0.2050
2021/05/08	08	6.7	0.2438	0.1734
2021/05/08	09	7.3	0.2156	0.1554
2021/05/08	10	8.4	0.1920	0.1443
2021/05/08	11	8.5	0.1663	0.1408
2021/05/08	12	8.5	0.1497	0.1389
2021/05/08	13	8.4	0.1339	0.1527
2021/05/08	14	9	0.1299	0.1681
2021/05/08	15	9	0.1262	0.1827
2021/05/08	16	8.8	0.1283	0.1825
2021/05/08	17	8.4	0.1332	0.1762
2021/05/08	18	8.1	0.1423	0.1623
2021/05/08	19	7.6	0.1503	0.1535
2021/05/08	20	7.1	0.1531	0.1430
2021/05/08	21	6.6	0.1550	0.1438
2021/05/08	22	6.5	0.1584	0.1469
2021/05/08	23	6.4	0.1679	0.1559

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/09	00	5.4	0.1781	0.1524
2021/05/09	01	5.4	0.1936	0.1507
2021/05/09	02	5.3	0.2170	0.1536
2021/05/09	03	5.2	0.2502	0.1679
2021/05/09	04	5	0.2900	0.1797
2021/05/09	05	4.9	0.3122	0.1789
2021/05/09	06	4.8	0.3109	0.1719
2021/05/09	07	6.6	0.2704	0.1540
2021/05/09	08	8.5	0.2249	0.1659
2021/05/09	09	9.9	0.1804	0.1930
2021/05/09	10	12.4	0.1598	0.2327
2021/05/09	11	12.5	0.1394	0.2061
2021/05/09	12	13.8	0.1241	0.1728
2021/05/09	13	10.6	0.1095	0.1355
2021/05/09	14	11.7	0.1053	0.1845
2021/05/09	15	11.9	0.1107	0.2183
2021/05/09	16	12.9	0.1183	0.2316
2021/05/09	17	13	0.1301	0.1878
2021/05/09	18	12.3	0.1342	0.1599
2021/05/09	19	11	0.1345	0.1542
2021/05/09	20	10.2	0.1276	0.1594
2021/05/09	21	9.4	0.1246	0.1546
2021/05/09	22	8.4	0.1227	0.1457
2021/05/09	23	8	0.1262	0.1612
2021/05/10	00	6.1	0.1331	0.1940
2021/05/10	01	5.4	0.1513	0.2323
2021/05/10	02	5.1	0.1768	0.2132
2021/05/10	03	5.2	0.2111	0.1858
2021/05/10	04	4.9	0.2425	0.1576
2021/05/10	05	4.8	0.2578	0.1921
2021/05/10	06	5.8	0.2354	0.1950
2021/05/10	07	8.6	0.1923	0.1808
2021/05/10	08	10.2	0.1468	0.1352
2021/05/10	09	12.2	0.1223	0.1102
2021/05/10	10	14.2	0.1078	0.1013
2021/05/10	11	14.8	0.0988	0.0916
2021/05/10	12	15.1	0.0943	0.0885
2021/05/10	13	14.4	0.0963	0.0928
2021/05/10	14	12.8	0.1037	0.1058
2021/05/10	15	11.7	0.1150	0.1230
2021/05/10	16	11.1	0.1291	0.1267
2021/05/10	17	11.5	0.1386	0.1287
2021/05/10	18	11.9	0.1431	0.1224
2021/05/10	19	10.3	0.1433	0.1125
2021/05/10	20	10.2	0.1451	0.0989
2021/05/10	21	8.4	0.1474	0.0920
2021/05/10	22	7.3	0.1437	0.0950
2021/05/10	23	6.8	0.1495	0.1079

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/11	00	6.2	0.1505	0.1203
2021/05/11	01	6.1	0.1660	0.1418
2021/05/11	02	5	0.1844	0.1806
2021/05/11	03	3.8	0.2108	0.2253
2021/05/11	04	2.9	0.2278	0.2518
2021/05/11	05	3	0.2283	0.2440
2021/05/11	06	4.3	0.2279	0.2233
2021/05/11	07	5.7	0.2270	0.2074
2021/05/11	08	7	0.2303	0.1901
2021/05/11	09	7	0.2318	0.1707
2021/05/11	10	9.4	0.2327	0.1525
2021/05/11	11	9.9	0.2297	0.1519
2021/05/11	12	9.6	0.2227	0.1542
2021/05/11	13	8.2	0.2100	0.1662
2021/05/11	14	9.8	0.2100	0.1758
2021/05/11	15	8.2	0.2118	0.1897
2021/05/11	16	6.9	0.2154	0.2051
2021/05/11	17	4.8	0.2092	0.2140
2021/05/11	18	5	0.2086	0.2139
2021/05/11	19	5.5	0.2065	0.2011
2021/05/11	20	6	0.2029	0.1851
2021/05/11	21	6.1	0.1968	0.1750
2021/05/11	22	6.1	0.1984	0.1703
2021/05/11	23	6.4	0.1998	0.1713
2021/05/12	00	6.6	0.2059	0.1788
2021/05/12	01	6.3	0.2086	0.1922
2021/05/12	02	5.6	0.2096	0.2238
2021/05/12	03	5	0.2036	0.2653
2021/05/12	04	4.6	0.2117	0.2854
2021/05/12	05	4.4	0.2232	0.2694
2021/05/12	06	5.1	0.2268	0.2162
2021/05/12	07	7.8	0.1998	0.1636
2021/05/12	08	9.1	0.1703	0.1244
2021/05/12	09	10.8	0.1448	0.1071
2021/05/12	10	12.3	0.1370	0.0987
2021/05/12	11	14.2	0.1285	0.0905
2021/05/12	12	15.7	0.1215	0.0843
2021/05/12	13	16.5	0.1071	0.0882
2021/05/12	14	16.6	0.0984	0.1038
2021/05/12	15	16.8	0.0962	0.1142
2021/05/12	16	17	0.1100	0.1187
2021/05/12	17	16.9	0.1271	0.1140
2021/05/12	18	16.3	0.1361	0.1122
2021/05/12	19	14.9	0.1302	0.1056
2021/05/12	20	12.8	0.1174	0.1008
2021/05/12	21	10.7	0.1022	0.1013
2021/05/12	22	10.1	0.0972	0.1101
2021/05/12	23	8.1	0.0980	0.1241

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/13	00	6.9	0.1102	0.1402
2021/05/13	01	6.8	0.1214	0.1631
2021/05/13	02	6.5	0.1422	0.1726
2021/05/13	03	5.1	0.1739	0.1643
2021/05/13	04	4.5	0.2227	0.1308
2021/05/13	05	5	0.2496	0.1482
2021/05/13	06	7.6	0.2454	0.1887
2021/05/13	07	10.6	0.1993	0.2294
2021/05/13	08	14.2	0.1478	0.1762
2021/05/13	09	16.1	0.1061	0.1084
2021/05/13	10	17.9	0.0854	0.0569
2021/05/13	11	18.4	0.0745	0.0887
2021/05/13	12	19.4	0.0662	0.1123
2021/05/13	13	20.3	0.0598	0.1277
2021/05/13	14	20.9	0.0602	0.0960
2021/05/13	15	20.3	0.0694	0.0809
2021/05/13	16	21.2	0.0800	0.0819
2021/05/13	17	20.7	0.0861	0.0953
2021/05/13	18	19.9	0.0860	0.0990
2021/05/13	19	18.5	0.0815	0.0915
2021/05/13	20	15.7	0.0739	0.0962
2021/05/13	21	13.1	0.0643	0.1091
2021/05/13	22	13.7	0.0550	0.1176
2021/05/13	23	13.2	0.0514	0.1043
2021/05/14	00	10.5	0.0522	0.0900
2021/05/14	01	9.6	0.0597	0.0845
2021/05/14	02	10.2	0.0745	0.0932
2021/05/14	03	9.4	0.0992	0.0963
2021/05/14	04	6.7	0.1386	0.0961
2021/05/14	05	8.4	0.1809	0.0967
2021/05/14	06	10.9	0.1986	0.0983
2021/05/14	07	13.3	0.1759	0.1036
2021/05/14	08	15.2	0.1327	0.0931
2021/05/14	09	17.2	0.0976	0.0859
2021/05/14	10	19.4	0.0812	0.0746
2021/05/14	11	21.8	0.0718	0.0792
2021/05/14	12	22.4	0.0636	0.0887
2021/05/14	13	21.8	0.0592	0.0987
2021/05/14	14	23.2	0.0595	0.1084
2021/05/14	15	23.7	0.0641	0.1099
2021/05/14	16	23.6	0.0701	0.1060
2021/05/14	17	21.4	0.0753	0.0978
2021/05/14	18	21.4	0.0774	0.0863
2021/05/14	19	19.1	0.0759	0.0758
2021/05/14	20	16.9	0.0686	0.0651
2021/05/14	21	16.1	0.0606	0.0614
2021/05/14	22	14.5	0.0523	0.0632
2021/05/14	23	13.1	0.0503	0.0682

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/15	00	12.2	0.0503	0.0751
2021/05/15	01	9.7	0.0557	0.0887
2021/05/15	02	12.3	0.0609	0.1077
2021/05/15	03	11.3	0.0720	0.1300
2021/05/15	04	8.3	0.0886	0.1356
2021/05/15	05	8	0.1049	0.1296
2021/05/15	06	9.6	0.1138	0.1122
2021/05/15	07	12.5	0.1159	0.0994
2021/05/15	08	16.5	0.1094	0.0873
2021/05/15	09	18.2	0.0999	0.0818
2021/05/15	10	20.4	0.0846	0.0792
2021/05/15	11	21.5	0.0819	0.0799
2021/05/15	12	22.2	0.0802	0.0860
2021/05/15	13	23	0.0845	0.0951
2021/05/15	14	23.1	0.0857	0.1000
2021/05/15	15	22.1	0.0887	0.0995
2021/05/15	16	22.9	0.0871	0.0918
2021/05/15	17	21.1	0.0870	0.0836
2021/05/15	18	20.8	0.0837	0.0714
2021/05/15	19	19.1	0.0826	0.0625
2021/05/15	20	17.1	0.0799	0.0553
2021/05/15	21	15.1	0.0816	0.0507
2021/05/15	22	14.9	0.0832	0.0475
2021/05/15	23	14	0.0812	0.0519
2021/05/16	00	14.1	0.0822	0.0595
2021/05/16	01	12.6	0.0796	0.0745
2021/05/16	02	12.4	0.0845	0.0913
2021/05/16	03	10.1	0.0916	0.1078
2021/05/16	04	10.6	0.0991	0.1172
2021/05/16	05	12.4	0.1020	0.1184
2021/05/16	06	12.3	0.0992	0.1132
2021/05/16	07	15.5	0.0957	0.1088
2021/05/16	08	17.1	0.0892	0.0992
2021/05/16	09	18.8	0.0834	0.0931
2021/05/16	10	20.2	0.0781	0.0812
2021/05/16	11	22.5	0.0727	0.0781
2021/05/16	12	23.1	0.0666	0.0769
2021/05/16	13	21.2	0.0652	0.0865
2021/05/16	14	22.9	0.0721	0.0926
2021/05/16	15	21.7	0.0782	0.1017
2021/05/16	16	22.4	0.0879	0.0982
2021/05/16	17	22.8	0.0900	0.0922
2021/05/16	18	21.5	0.0906	0.0720
2021/05/16	19	19.9	0.0777	0.0576
2021/05/16	20	15.5	0.0632	0.0442
2021/05/16	21	13.9	0.0535	0.0404
2021/05/16	22	13.2	0.0538	0.0391
2021/05/16	23	13.7	0.0567	0.0433

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/17	00	12.6	0.0622	0.0522
2021/05/17	01	10.6	0.0657	0.0711
2021/05/17	02	9.7	0.0750	0.0967
2021/05/17	03	8.6	0.0919	0.1191
2021/05/17	04	7.9	0.1130	0.1197
2021/05/17	05	6.9	0.1245	0.1109
2021/05/17	06	10.2	0.1190	0.0936
2021/05/17	07	13.4	0.1019	0.0740
2021/05/17	08	16.6	0.0831	0.0682
2021/05/17	09	19.8	0.0669	0.0627
2021/05/17	10	22.1	0.0595	0.0715
2021/05/17	11	23.2	0.0549	0.0588
2021/05/17	12	23.2	0.0522	0.0524
2021/05/17	13	24.8	0.0504	0.0498
2021/05/17	14	24.9	0.0525	0.0571
2021/05/17	15	23.5	0.0606	0.0620
2021/05/17	16	24.2	0.0685	0.0626
2021/05/17	17	23.7	0.0756	0.0641
2021/05/17	18	22.2	0.0744	0.0753
2021/05/17	19	20.9	0.0656	0.0856
2021/05/17	20	20	0.0536	0.0822
2021/05/17	21	19.2	0.0431	0.0742
2021/05/17	22	19	0.0362	0.0730
2021/05/17	23	17.9	0.0324	0.0781
2021/05/18	00	15.9	0.0313	0.0811
2021/05/18	01	14.1	0.0326	0.0795
2021/05/18	02	14.9	0.0389	0.0878
2021/05/18	03	13	0.0516	0.0916
2021/05/18	04	15.3	0.0697	0.0925
2021/05/18	05	13.2	0.0835	0.0804
2021/05/18	06	14.7	0.0836	0.0697
2021/05/18	07	16	0.0728	0.0597
2021/05/18	08	18.1	0.0588	0.0651
2021/05/18	09	20.2	0.0549	0.0680
2021/05/18	10	21.6	0.0535	0.0670
2021/05/18	11	22.3	0.0521	0.0602
2021/05/18	12	23.9	0.0470	0.0633
2021/05/18	13	24.5	0.0459	0.0723
2021/05/18	14	25.7	0.0506	0.0846
2021/05/18	15	25.4	0.0598	0.0891
2021/05/18	16	25.5	0.0683	0.0896
2021/05/18	17	25	0.0734	0.0830
2021/05/18	18	24.3	0.0724	0.0747
2021/05/18	19	22.4	0.0653	0.0638
2021/05/18	20	20.4	0.0543	0.0532
2021/05/18	21	16.3	0.0416	0.0465
2021/05/18	22	15.5	0.0329	0.0447
2021/05/18	23	15.2	0.0278	0.0437

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/19	00	15.7	0.0269	0.0499
2021/05/19	01	14.1	0.0296	0.0615
2021/05/19	02	12.7	0.0375	0.0778
2021/05/19	03	12.8	0.0495	0.0893
2021/05/19	04	12.3	0.0617	0.0989
2021/05/19	05	10.5	0.0706	0.0980
2021/05/19	06	13.9	0.0729	0.0931
2021/05/19	07	17.9	0.0666	0.0827
2021/05/19	08	19.9	0.0575	0.0812
2021/05/19	09	22.6	0.0494	0.0783
2021/05/19	10	24.4	0.0480	0.0771
2021/05/19	11	26.9	0.0459	0.0733
2021/05/19	12	27.9	0.0448	0.0787
2021/05/19	13	28.4	0.0438	0.0895
2021/05/19	14	29.5	0.0478	0.0982
2021/05/19	15	29.9	0.0558	0.0984
2021/05/19	16	28.7	0.0655	0.0921
2021/05/19	17	28.2	0.0724	0.0837
2021/05/19	18	26.7	0.0707	0.0734
2021/05/19	19	25.1	0.0659	0.0591
2021/05/19	20	23.7	0.0571	0.0464
2021/05/19	21	21.6	0.0481	0.0383
2021/05/19	22	20.2	0.0372	0.0341
2021/05/19	23	20	0.0313	0.0324
2021/05/20	00	17.7	0.0288	0.0334
2021/05/20	01	17.8	0.0291	0.0445
2021/05/20	02	17.2	0.0259	0.0581
2021/05/20	03	15.8	0.0260	0.0749
2021/05/20	04	16.5	0.0321	0.0780
2021/05/20	05	16.5	0.0458	0.0752
2021/05/20	06	17	0.0604	0.0690
2021/05/20	07	19.2	0.0627	0.0688
2021/05/20	08	20.7	0.0593	0.0713
2021/05/20	09	23.8	0.0516	0.0692
2021/05/20	10	26.1	0.0515	0.0636
2021/05/20	11	28	0.0497	0.0636
2021/05/20	12	28.6	0.0478	0.0655
2021/05/20	13	29.1	0.0456	0.0772
2021/05/20	14	28.6	0.0486	0.0867
2021/05/20	15	27.5	0.0562	0.0923
2021/05/20	16	26.7	0.0601	0.0901
2021/05/20	17	26.4	0.0599	0.0841
2021/05/20	18	25.8	0.0560	0.0765
2021/05/20	19	24	0.0535	0.0667
2021/05/20	20	22.1	0.0486	0.0549
2021/05/20	21	19.6	0.0417	0.0483
2021/05/20	22	20.6	0.0338	0.0428
2021/05/20	23	20.8	0.0279	0.0412

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/21	00	20.6	0.0262	0.0420
2021/05/21	01	19.6	0.0270	0.0475
2021/05/21	02	18.9	0.0291	0.0572
2021/05/21	03	18.1	0.0316	0.0692
2021/05/21	04	19.1	0.0402	0.0785
2021/05/21	05	17.3	0.0532	0.0778
2021/05/21	06	19.3	0.0662	0.0696
2021/05/21	07	21.4	0.0714	0.0635
2021/05/21	08	23.4	0.0690	0.0648
2021/05/21	09	26.7	0.0660	0.0655
2021/05/21	10	26.7	0.0638	0.0616
2021/05/21	11	29	0.0615	0.0494
2021/05/21	12	29.8	0.0556	0.0426
2021/05/21	13	30.6	0.0500	0.0453
2021/05/21	14	32.2	0.0506	0.0538
2021/05/21	15	31	0.0556	0.0631
2021/05/21	16	30.2	0.0634	0.0702
2021/05/21	17	31.1	0.0641	0.0726
2021/05/21	18	28.9	0.0623	0.0764
2021/05/21	19	27.6	0.0560	0.0748
2021/05/21	20	25	0.0500	0.0761
2021/05/21	21	24.3	0.0413	0.0730
2021/05/21	22	24.1	0.0334	0.0666
2021/05/21	23	23.4	0.0267	0.0651
2021/05/22	00	22.3	0.0236	0.0649
2021/05/22	01	21.6	0.0214	0.0663
2021/05/22	02	20	0.0216	0.0656
2021/05/22	03	19.9	0.0233	0.0603
2021/05/22	04	18.1	0.0296	0.0551
2021/05/22	05	19	0.0395	0.0554
2021/05/22	06	19.9	0.0534	0.0667
2021/05/22	07	20.9	0.0645	0.0749
2021/05/22	08	23.8	0.0714	0.0702
2021/05/22	09	24.5	0.0702	0.0562
2021/05/22	10	24.5	0.0642	0.0465
2021/05/22	11	25.2	0.0573	0.0556
2021/05/22	12	25.2	0.0537	0.0665
2021/05/22	13	26.4	0.0497	0.0794
2021/05/22	14	26.8	0.0508	0.0681
2021/05/22	15	26.9	0.0548	0.0580
2021/05/22	16	27.8	0.0632	0.0471
2021/05/22	17	26.9	0.0661	0.0564
2021/05/22	18	25.2	0.0617	0.0636
2021/05/22	19	24.1	0.0561	0.0675
2021/05/22	20	23	0.0488	0.0618
2021/05/22	21	22	0.0430	0.0548
2021/05/22	22	20.5	0.0358	0.0507
2021/05/22	23	19.3	0.0345	0.0454

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/23	00	18.7	0.0356	0.0429
2021/05/23	01	18	0.0373	0.0414
2021/05/23	02	17.5	0.0335	0.0405
2021/05/23	03	17.2	0.0315	0.0430
2021/05/23	04	16.7	0.0343	0.0490
2021/05/23	05	16.8	0.0466	0.0603
2021/05/23	06	18.3	0.0571	0.0737
2021/05/23	07	17.3	0.0639	0.0854
2021/05/23	08	16.5	0.0603	0.0940
2021/05/23	09	15.3	0.0563	0.0979
2021/05/23	10	15.4	0.0531	0.0911
2021/05/23	11	14.4	0.0530	0.0819
2021/05/23	12	15.8	0.0519	0.0735
2021/05/23	13	17	0.0497	0.0676
2021/05/23	14	18	0.0530	0.0672
2021/05/23	15	18.3	0.0595	0.0705
2021/05/23	16	18.5	0.0662	0.0773
2021/05/23	17	17.9	0.0645	0.0851
2021/05/23	18	17	0.0637	0.0828
2021/05/23	19	15.8	0.0604	0.0789
2021/05/23	20	14.9	0.0622	0.0692
2021/05/23	21	13.6	0.0614	0.0601
2021/05/23	22	12.6	0.0576	0.0538
2021/05/23	23	12	0.0549	0.0457
2021/05/24	00	10.8	0.0560	0.0445
2021/05/24	01	9.4	0.0620	0.0482
2021/05/24	02	8.8	0.0641	0.0555
2021/05/24	03	7.8	0.0692	0.0658
2021/05/24	04	5.2	0.0734	0.0781
2021/05/24	05	6.2	0.0854	0.0914
2021/05/24	06	8.6	0.0887	0.1035
2021/05/24	07	10.6	0.0890	0.1081
2021/05/24	08	12	0.0818	0.1075
2021/05/24	09	13.8	0.0732	0.1003
2021/05/24	10	16.3	0.0693	0.0909
2021/05/24	11	16.7	0.0656	0.0832
2021/05/24	12	18.6	0.0602	0.0759
2021/05/24	13	19.5	0.0538	0.0705
2021/05/24	14	20.2	0.0515	0.0731
2021/05/24	15	21.5	0.0576	0.0846
2021/05/24	16	21.4	0.0660	0.0965
2021/05/24	17	21.6	0.0688	0.0977
2021/05/24	18	20.8	0.0678	0.0878
2021/05/24	19	18.3	0.0601	0.0781
2021/05/24	20	16.2	0.0527	0.0687
2021/05/24	21	15.3	0.0465	0.0590
2021/05/24	22	14	0.0411	0.0472
2021/05/24	23	12.4	0.0389	0.0402

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/25	00	12.4	0.0368	0.0377
2021/05/25	01	12.4	0.0418	0.0380
2021/05/25	02	11.9	0.0466	0.0404
2021/05/25	03	11.9	0.0568	0.0496
2021/05/25	04	11	0.0654	0.0643
2021/05/25	05	12.8	0.0740	0.0789
2021/05/25	06	13.9	0.0742	0.0885
2021/05/25	07	15.1	0.0714	0.0847
2021/05/25	08	16.5	0.0640	0.0773
2021/05/25	09	20	0.0600	0.0654
2021/05/25	10	22.7	0.0549	0.0626
2021/05/25	11	23.1	0.0527	0.0589
2021/05/25	12	22.1	0.0472	0.0556
2021/05/25	13	25.1	0.0458	0.0508
2021/05/25	14	25.5	0.0506	0.0537
2021/05/25	15	26.2	0.0614	0.0683
2021/05/25	16	24.9	0.0669	0.0837
2021/05/25	17	25.1	0.0682	0.0845
2021/05/25	18	25.4	0.0639	0.0781
2021/05/25	19	24.4	0.0584	0.0661
2021/05/25	20	24.2	0.0476	0.0702
2021/05/25	21	24.2	0.0361	0.0728
2021/05/25	22	23.2	0.0277	0.0768
2021/05/25	23	22.4	0.0233	0.0696
2021/05/26	00	22.7	0.0203	0.0616
2021/05/26	01	21.9	0.0209	0.0566
2021/05/26	02	20.9	0.0244	0.0561
2021/05/26	03	20.1	0.0337	0.0529
2021/05/26	04	20.1	0.0466	0.0485
2021/05/26	05	20.6	0.0585	0.0543
2021/05/26	06	20.9	0.0626	0.0643
2021/05/26	07	21.3	0.0597	0.0798
2021/05/26	08	22.2	0.0539	0.0688
2021/05/26	09	23.9	0.0509	0.0565
2021/05/26	10	26.3	0.0492	0.0419
2021/05/26	11	27.2	0.0460	0.0546
2021/05/26	12	27.7	0.0462	0.0617
2021/05/26	13	24.4	0.0472	0.0677
2021/05/26	14	25.2	0.0530	0.0584
2021/05/26	15	26.8	0.0589	0.0571
2021/05/26	16	25.9	0.0643	0.0591
2021/05/26	17	25	0.0641	0.0619
2021/05/26	18	23.9	0.0610	0.0575
2021/05/26	19	22.4	0.0560	0.0496
2021/05/26	20	21.3	0.0486	0.0532
2021/05/26	21	19.7	0.0387	0.0641
2021/05/26	22	18.2	0.0327	0.0736
2021/05/26	23	17.7	0.0299	0.0616

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/27	00	16.8	0.0306	0.0491
2021/05/27	01	14.7	0.0341	0.0385
2021/05/27	02	12.4	0.0438	0.0402
2021/05/27	03	10.2	0.0631	0.0474
2021/05/27	04	8.9	0.0820	0.0594
2021/05/27	05	7.5	0.0902	0.0783
2021/05/27	06	7.5	0.0907	0.0880
2021/05/27	07	8.5	0.0874	0.0867
2021/05/27	08	8.3	0.0875	0.0750
2021/05/27	09	9.5	0.0847	0.0679
2021/05/27	10	10.7	0.0805	0.0672
2021/05/27	11	11.7	0.0830	0.0668
2021/05/27	12	12.6	0.0827	0.0634
2021/05/27	13	12.8	0.0821	0.0589
2021/05/27	14	12.3	0.0799	0.0628
2021/05/27	15	12.1	0.0853	0.0732
2021/05/27	16	13.7	0.0932	0.0848
2021/05/27	17	11.9	0.0927	0.0975
2021/05/27	18	11.4	0.0949	0.1034
2021/05/27	19	10.2	0.0926	0.1051
2021/05/27	20	8.9	0.1007	0.0968
2021/05/27	21	7.7	0.1033	0.0820
2021/05/27	22	6.6	0.1065	0.0702
2021/05/27	23	5.7	0.0982	0.0665
2021/05/28	00	4.7	0.0927	0.0696
2021/05/28	01	2.5	0.0944	0.0756
2021/05/28	02	2.8	0.1172	0.0870
2021/05/28	03	3.2	0.1367	0.1128
2021/05/28	04	2.5	0.1453	0.1544
2021/05/28	05	3.1	0.1358	0.2062
2021/05/28	06	3.5	0.1279	0.2366
2021/05/28	07	3.9	0.1280	0.2363
2021/05/28	08	4.7	0.1297	0.2051
2021/05/28	09	5.4	0.1259	0.1725
2021/05/28	10	6.7	0.1146	0.1478
2021/05/28	11	9	0.1026	0.1330
2021/05/28	12	9.4	0.0918	0.1226
2021/05/28	13	10.5	0.0859	0.1169
2021/05/28	14	11.7	0.0845	0.1113
2021/05/28	15	12.4	0.0861	0.1178
2021/05/28	16	12.8	0.0976	0.1310
2021/05/28	17	12.2	0.1074	0.1466
2021/05/28	18	12.1	0.1150	0.1509
2021/05/28	19	11.6	0.1145	0.1433
2021/05/28	20	10.5	0.1101	0.1300
2021/05/28	21	7.7	0.1083	0.1174
2021/05/28	22	6.7	0.1077	0.1109
2021/05/28	23	4.9	0.1139	0.1123

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/29	00	5.3	0.1181	0.1161
2021/05/29	01	4.5	0.1251	0.1229
2021/05/29	02	4.2	0.1374	0.1358
2021/05/29	03	3.7	0.1591	0.1619
2021/05/29	04	3	0.1723	0.2014
2021/05/29	05	5.2	0.1729	0.2237
2021/05/29	06	7.7	0.1567	0.2212
2021/05/29	07	10	0.1413	0.1907
2021/05/29	08	12.2	0.1227	0.1616
2021/05/29	09	14.3	0.1121	0.1360
2021/05/29	10	15.2	0.0950	0.1222
2021/05/29	11	16.2	0.0788	0.1063
2021/05/29	12	17	0.0652	0.0989
2021/05/29	13	17.7	0.0612	0.0884
2021/05/29	14	18.4	0.0660	0.0910
2021/05/29	15	18.5	0.0709	0.0973
2021/05/29	16	18.3	0.0743	0.1075
2021/05/29	17	18.2	0.0762	0.1144
2021/05/29	18	17.6	0.0728	0.1108
2021/05/29	19	16	0.0688	0.1020
2021/05/29	20	12.6	0.0657	0.0956
2021/05/29	21	9.9	0.0654	0.0947
2021/05/29	22	9.2	0.0665	0.0948
2021/05/29	23	9.6	0.0716	0.0888
2021/05/30	00	5.8	0.0821	0.0868
2021/05/30	01	5.9	0.0960	0.0834
2021/05/30	02	4.7	0.1149	0.0966
2021/05/30	03	3.9	0.1335	0.1124
2021/05/30	04	3.3	0.1481	0.1308
2021/05/30	05	4.5	0.1504	0.1215
2021/05/30	06	8.5	0.1391	0.1058
2021/05/30	07	11.2	0.1204	0.0944
2021/05/30	08	13.3	0.0990	0.1047
2021/05/30	09	15.3	0.0834	0.1094
2021/05/30	10	16.5	0.0735	0.1050
2021/05/30	11	18.8	0.0654	0.0999
2021/05/30	12	19	0.0589	0.1075
2021/05/30	13	19	0.0576	0.1293
2021/05/30	14	20	0.0649	0.1219
2021/05/30	15	19.9	0.0726	0.1072
2021/05/30	16	19.4	0.0813	0.0849
2021/05/30	17	18.1	0.0807	0.1074
2021/05/30	18	16.9	0.0776	0.1246
2021/05/30	19	14.8	0.0683	0.1407
2021/05/30	20	13.2	0.0587	0.1160
2021/05/30	21	11.1	0.0498	0.1012
2021/05/30	22	8.5	0.0423	0.0916
2021/05/30	23	7.5	0.0408	0.1065

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/05/31	00	7.9	0.0457	0.1164
2021/05/31	01	5.2	0.0533	0.1200
2021/05/31	02	7.4	0.0672	0.1226
2021/05/31	03	5.9	0.0866	0.1334
2021/05/31	04	6.1	0.1036	0.1502
2021/05/31	05	6.5	0.1095	0.1498
2021/05/31	06	10.2	0.0975	0.1330
2021/05/31	07	12.6	0.0826	0.1057
2021/05/31	08	14.2	0.0774	0.0884
2021/05/31	09	16.2	0.0721	0.0762
2021/05/31	10	17.2	0.0706	0.0705
2021/05/31	11	19	0.0493	0.0682
2021/05/31	12	21.1	0.0447	0.0693
2021/05/31	13	22.9	0.0420	0.0753
2021/05/31	14	22.5	0.0495	0.0854
2021/05/31	15	23.2	0.0516	0.0904
2021/05/31	16	23.5	0.0522	0.0931
2021/05/31	17	23.2	0.0588	0.0853
2021/05/31	18	22.7	0.0639	0.0797
2021/05/31	19	21.2	0.0678	0.0666
2021/05/31	20	18.2	0.0594	0.0571
2021/05/31	21	15.5	0.0564	0.0468
2021/05/31	22	13.5	0.0550	0.0414
2021/05/31	23	13.4	0.0587	0.0374
2021/06/01	00	10.8	0.0528	0.0389
2021/06/01	01	11.5	0.0508	0.0437
2021/06/01	02	12.1	0.0484	0.0550
2021/06/01	03	12.8	0.0552	0.0714
2021/06/01	04	13.8	0.0581	0.0912
2021/06/01	05	13.3	0.0568	0.1007
2021/06/01	06	14	0.0529	0.0963
2021/06/01	07	14.6	0.0511	0.0830
2021/06/01	08	17.2	0.0531	0.0776
2021/06/01	09	19.6	0.0513	0.0696
2021/06/01	10	21.2	0.0477	0.0642
2021/06/01	11	23	0.0435	0.0550
2021/06/01	12	22.5	0.0428	0.0589
2021/06/01	13	23.4	0.0461	0.0637
2021/06/01	14	18.1	0.0505	0.0730
2021/06/01	15	23.6	0.0586	0.0806
2021/06/01	16	23.9	0.0590	0.0885
2021/06/01	17	23.3	0.0586	0.0864
2021/06/01	18	21.7	0.0503	0.0804
2021/06/01	19	20.5	0.0421	0.0688
2021/06/01	20	19.7	0.0322	0.0569
2021/06/01	21	17.8	0.0276	0.0458
2021/06/01	22	16.6	0.0281	0.0385
2021/06/01	23	15.8	0.0308	0.0378

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/02	00	14	0.0357	0.0412
2021/06/02	01	13.9	0.0445	0.0432
2021/06/02	02	12	0.0553	0.0542
2021/06/02	03	12.2	0.0679	0.0683
2021/06/02	04	9.5	0.0711	0.0864
2021/06/02	05	9.7	0.0692	0.0880
2021/06/02	06	13.4	0.0596	0.0823
2021/06/02	07	17	0.0520	0.0785
2021/06/02	08	18.8	0.0451	0.0793
2021/06/02	09	21.7	0.0421	0.0827
2021/06/02	10	23.1	0.0404	0.0772
2021/06/02	11	24.5	0.0400	0.0738
2021/06/02	12	25.7	0.0411	0.0701
2021/06/02	13	25.8	0.0481	0.0743
2021/06/02	14	26.8	0.0557	0.0814
2021/06/02	15	26.2	0.0606	0.0893
2021/06/02	16	25.6	0.0588	0.0909
2021/06/02	17	26.4	0.0599	0.0859
2021/06/02	18	25	0.0530	0.0777
2021/06/02	19	23.1	0.0455	0.0662
2021/06/02	20	20.5	0.0324	0.0549
2021/06/02	21	18.8	0.0266	0.0420
2021/06/02	22	18.2	0.0232	0.0346
2021/06/02	23	17.7	0.0209	0.0488
2021/06/03	00	17.2	0.0208	0.0687
2021/06/03	01	16.1	0.0248	0.0840
2021/06/03	02	15.1	0.0337	0.0699
2021/06/03	03	15.5	0.0459	0.0528
2021/06/03	04	15.7	0.0574	0.0427
2021/06/03	05	15.7	0.0643	0.0523
2021/06/03	06	15.7	0.0615	0.0649
2021/06/03	07	16.1	0.0566	0.0734
2021/06/03	08	16.1	0.0508	0.0690
2021/06/03	09	16.2	0.0493	0.0661
2021/06/03	10	16.7	0.0452	0.0688
2021/06/03	11	17.7	0.0391	0.0659
2021/06/03	12	18.2	0.0380	0.0588
2021/06/03	13	18.7	0.0422	0.0451
2021/06/03	14	19.8	0.0510	0.0548
2021/06/03	15	20.7	0.0550	0.0608
2021/06/03	16	20.3	0.0569	0.0703
2021/06/03	17	20.8	0.0534	0.0595
2021/06/03	18	21.5	0.0489	0.0516
2021/06/03	19	19.9	0.0404	0.0451
2021/06/03	20	18.6	0.0324	0.0505
2021/06/03	21	18.2	0.0263	0.0580
2021/06/03	22	17.4	0.0221	0.0594
2021/06/03	23	16.7	0.0228	0.0546

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/04	00	16.4	0.0230	0.0530
2021/06/04	01	15.9	0.0256	0.0623
2021/06/04	02	15.8	0.0325	0.0684
2021/06/04	03	15.1	0.0445	0.0713
2021/06/04	04	15.1	0.0553	0.0700
2021/06/04	05	15.1	0.0589	0.0766
2021/06/04	06	15.3	0.0551	0.0786
2021/06/04	07	16.2	0.0504	0.0768
2021/06/04	08	18	0.0417	0.0727
2021/06/04	09	18.8	0.0398	0.0752
2021/06/04	10	22.2	0.0390	0.0775
2021/06/04	11	23.8	0.0457	0.0778
2021/06/04	12	24.5	0.0458	0.0751
2021/06/04	13	25.2	0.0434	0.0758
2021/06/04	14	24.3	0.0411	0.0797
2021/06/04	15	25.2	0.0465	0.0862
2021/06/04	16	25.7	0.0522	0.0890
2021/06/04	17	22.1	0.0517	0.0893
2021/06/04	18	20.7	0.0485	0.0823
2021/06/04	19	20.6	0.0521	0.0732
2021/06/04	20	19.8	0.0645	0.0599
2021/06/04	21	19.6	0.0727	0.0493
2021/06/04	22	19.5	0.0723	0.0416
2021/06/04	23	18.9	0.0651	0.0397
2021/06/05	00	18	0.0595	0.0383
2021/06/05	01	17.2	0.0557	0.0370
2021/06/05	02	16.9	0.0533	0.0386
2021/06/05	03	16.1	0.0523	0.0449
2021/06/05	04	15.8	0.0545	0.0622
2021/06/05	05	16.4	0.0543	0.0794
2021/06/05	06	17.4	0.0542	0.0965
2021/06/05	07	18.4	0.0474	0.1017
2021/06/05	08	21.6	0.0502	0.0977
2021/06/05	09	23.5	0.0490	0.0916
2021/06/05	10	22.2	0.0539	0.0845
2021/06/05	11	22.7	0.0440	0.0812
2021/06/05	12	26.2	0.0399	0.0722
2021/06/05	13	26.7	0.0349	0.0715
2021/06/05	14	28.8	0.0451	0.0758
2021/06/05	15	28	0.0496	0.0822
2021/06/05	16	26.6	0.0525	0.0792
2021/06/05	17	22.1	0.0479	0.0745
2021/06/05	18	20	0.0428	0.0655
2021/06/05	19	19.5	0.0363	0.0561
2021/06/05	20	19.2	0.0293	0.0433
2021/06/05	21	19.3	0.0276	0.0384
2021/06/05	22	19.1	0.0263	0.0378
2021/06/05	23	19.5	0.0253	0.0387

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/06	00	19.2	0.0222	0.0392
2021/06/06	01	19.2	0.0228	0.0379
2021/06/06	02	18.6	0.0272	0.0377
2021/06/06	03	17.8	0.0345	0.0423
2021/06/06	04	17.8	0.0438	0.0515
2021/06/06	05	18.5	0.0538	0.0713
2021/06/06	06	18.7	0.0635	0.0906
2021/06/06	07	21.5	0.0676	0.1042
2021/06/06	08	23.4	0.0638	0.0992
2021/06/06	09	25.9	0.0590	0.0885
2021/06/06	10	27.8	0.0511	0.0783
2021/06/06	11	29.2	0.0463	0.0696
2021/06/06	12	30.7	0.0455	0.0637
2021/06/06	13	30.8	0.0483	0.0629
2021/06/06	14	30.1	0.0539	0.0739
2021/06/06	15	31.9	0.0548	0.0797
2021/06/06	16	31.9	0.0538	0.0818
2021/06/06	17	31.5	0.0530	0.0765
2021/06/06	18	30.4	0.0472	0.0724
2021/06/06	19	28.9	0.0412	0.0639
2021/06/06	20	27.6	0.0297	0.0524
2021/06/06	21	26.4	0.0232	0.0415
2021/06/06	22	24.9	0.0196	0.0343
2021/06/06	23	24.7	0.0189	0.0325
2021/06/07	00	24.3	0.0194	0.0310
2021/06/07	01	23.2	0.0226	0.0368
2021/06/07	02	21.7	0.0299	0.0555
2021/06/07	03	20.2	0.0402	0.0618
2021/06/07	04	19.5	0.0491	0.0596
2021/06/07	05	19.1	0.0528	0.0474
2021/06/07	06	21.5	0.0503	0.0524
2021/06/07	07	23.8	0.0465	0.0614
2021/06/07	08	25.6	0.0432	0.0546
2021/06/07	09	28	0.0421	0.0445
2021/06/07	10	29.7	0.0394	0.0317
2021/06/07	11	30.9	0.0370	0.0419
2021/06/07	12	32.5	0.0366	0.0503
2021/06/07	13	32.5	0.0427	0.0589
2021/06/07	14	32.9	0.0495	0.0499
2021/06/07	15	31.6	0.0529	0.0442
2021/06/07	16	30.9	0.0528	0.0420
2021/06/07	17	29.5	0.0528	0.0481
2021/06/07	18	29.4	0.0495	0.0545
2021/06/07	19	28.1	0.0412	0.0569
2021/06/07	20	27.3	0.0298	0.0579
2021/06/07	21	26.4	0.0225	0.0602
2021/06/07	22	25.5	0.0184	0.0632
2021/06/07	23	24.1	0.0171	0.0615

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/08	00	23.6	0.0174	0.0579
2021/06/08	01	22	0.0190	0.0561
2021/06/08	02	21.9	0.0272	0.0615
2021/06/08	03	21.7	0.0373	0.0639
2021/06/08	04	21.7	0.0482	0.0633
2021/06/08	05	22	0.0503	0.0645
2021/06/08	06	22.6	0.0470	0.0702
2021/06/08	07	24.9	0.0414	0.0738
2021/06/08	08	25.9	0.0400	0.0689
2021/06/08	09	28.4	0.0410	0.0650
2021/06/08	10	28.8	0.0416	0.0609
2021/06/08	11	30.1	0.0388	0.0563
2021/06/08	12	29.7	0.0376	0.0544
2021/06/08	13	29.3	0.0389	0.0631
2021/06/08	14	29.5	0.0400	0.0747
2021/06/08	15	29.8	0.0393	0.0811
2021/06/08	16	30.5	0.0402	0.0777
2021/06/08	17	29.7	0.0471	0.0711
2021/06/08	18	27.9	0.0488	0.0598
2021/06/08	19	27.1	0.0492	0.0473
2021/06/08	20	25.4	0.0443	0.0389
2021/06/08	21	24.2	0.0439	0.0336
2021/06/08	22	23.4	0.0438	0.0317
2021/06/08	23	23	0.0448	0.0322
2021/06/09	00	22.6	0.0417	0.0321
2021/06/09	01	22.1	0.0368	0.0391
2021/06/09	02	22.4	0.0331	0.0477
2021/06/09	03	23.1	0.0330	0.0630
2021/06/09	04	22.2	0.0329	0.0699
2021/06/09	05	22.1	0.0300	0.0707
2021/06/09	06	22.4	0.0280	0.0667
2021/06/09	07	23.1	0.0295	0.0629
2021/06/09	08	24.2	0.0342	0.0590
2021/06/09	09	25.5	0.0383	0.0574
2021/06/09	10	26.9	0.0385	0.0545
2021/06/09	11	27.6	0.0337	0.0535
2021/06/09	12	27.7	0.0306	0.0466
2021/06/09	13	27.9	0.0293	0.0449
2021/06/09	14	28.6	0.0382	0.0470
2021/06/09	15	28.8	0.0419	0.0620
2021/06/09	16	28.4	0.0464	0.0733
2021/06/09	17	27.6	0.0444	0.0814
2021/06/09	18	26.4	0.0469	0.0734
2021/06/09	19	25	0.0484	0.0693
2021/06/09	20	23.1	0.0460	0.0581
2021/06/09	21	21.7	0.0395	0.0489
2021/06/09	22	20.8	0.0303	0.0355
2021/06/09	23	19.9	0.0239	0.0295

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/10	00	18.8	0.0199	0.0303
2021/06/10	01	17.6	0.0181	0.0329
2021/06/10	02	16	0.0182	0.0400
2021/06/10	03	15.1	0.0218	0.0491
2021/06/10	04	13.4	0.0296	0.0633
2021/06/10	05	13.7	0.0394	0.0764
2021/06/10	06	15.5	0.0489	0.0845
2021/06/10	07	16.1	0.0508	0.0836
2021/06/10	08	17.4	0.0484	0.0765
2021/06/10	09	18	0.0448	0.0662
2021/06/10	10	19.4	0.0424	0.0583
2021/06/10	11	20.2	0.0410	0.0549
2021/06/10	12	20.3	0.0377	0.0515
2021/06/10	13	21.6	0.0356	0.0499
2021/06/10	14	22.5	0.0380	0.0507
2021/06/10	15	23.2	0.0421	0.0602
2021/06/10	16	23.4	0.0484	0.0696
2021/06/10	17	22.9	0.0514	0.0759
2021/06/10	18	22.6	0.0539	0.0742
2021/06/10	19	19.8	0.0525	0.0685
2021/06/10	20	19.4	0.0480	0.0615
2021/06/10	21	19	0.0391	0.0501
2021/06/10	22	17.6	0.0303	0.0421
2021/06/10	23	18	0.0227	0.0334
2021/06/11	00	16.3	0.0190	0.0309
2021/06/11	01	15.3	0.0163	0.0298
2021/06/11	02	14.3	0.0169	0.0316
2021/06/11	03	14.1	0.0184	0.0409
2021/06/11	04	13.4	0.0262	0.0561
2021/06/11	05	14	0.0360	0.0737
2021/06/11	06	14.9	0.0482	0.0807
2021/06/11	07	15.9	0.0509	0.0753
2021/06/11	08	17.8	0.0526	0.0670
2021/06/11	09	19.6	0.0527	0.0591
2021/06/11	10	20.4	0.0505	0.0580
2021/06/11	11	22.6	0.0454	0.0532
2021/06/11	12	23.1	0.0380	0.0510
2021/06/11	13	23.3	0.0352	0.0464
2021/06/11	14	23.1	0.0341	0.0520
2021/06/11	15	23.3	0.0377	0.0611
2021/06/11	16	23.7	0.0448	0.0715
2021/06/11	17	24.1	0.0500	0.0734
2021/06/11	18	23.5	0.0498	0.0699
2021/06/11	19	21.5	0.0469	0.0676
2021/06/11	20	18.6	0.0439	0.0614
2021/06/11	21	17	0.0394	0.0545
2021/06/11	22	15.1	0.0321	0.0451
2021/06/11	23	13.7	0.0243	0.0388

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/12	00	15.4	0.0205	0.0356
2021/06/12	01	12.3	0.0191	0.0338
2021/06/12	02	13.7	0.0198	0.0340
2021/06/12	03	13.3	0.0211	0.0364
2021/06/12	04	12.1	0.0260	0.0427
2021/06/12	05	14.6	0.0364	0.0564
2021/06/12	06	16.4	0.0507	0.0748
2021/06/12	07	18.7	0.0628	0.0884
2021/06/12	08	21.1	0.0681	0.0946
2021/06/12	09	22.5	0.0638	0.0913
2021/06/12	10	23.5	0.0577	0.0865
2021/06/12	11	24.8	0.0481	0.0777
2021/06/12	12	24.8	0.0416	0.0641
2021/06/12	13	25.6	0.0359	0.0543
2021/06/12	14	26.6	0.0386	0.0488
2021/06/12	15	26.7	0.0434	0.0561
2021/06/12	16	26.6	0.0499	0.0627
2021/06/12	17	25.4	0.0525	0.0673
2021/06/12	18	24.8	0.0529	0.0641
2021/06/12	19	23.8	0.0509	0.0597
2021/06/12	20	21.7	0.0461	0.0521
2021/06/12	21	21.1	0.0410	0.0473
2021/06/12	22	19.1	0.0373	0.0476
2021/06/12	23	15.1	0.0365	0.0537
2021/06/13	00	15	0.0341	0.0531
2021/06/13	01	13	0.0316	0.0443
2021/06/13	02	11.9	0.0326	0.0329
2021/06/13	03	12.7	0.0375	0.0391
2021/06/13	04	13.1	0.0418	0.0528
2021/06/13	05	13.7	0.0358	0.0645
2021/06/13	06	14.8	0.0324	0.0586
2021/06/13	07	17.6	0.0314	0.0509
2021/06/13	08	20.2	0.0427	0.0466
2021/06/13	09	22.5	0.0462	0.0523
2021/06/13	10	25.5	0.0486	0.0534
2021/06/13	11	26.3	0.0371	0.0497
2021/06/13	12	28.1	0.0359	0.0435
2021/06/13	13	27.9	0.0340	0.0432
2021/06/13	14	27.2	0.0409	0.0526
2021/06/13	15	27.1	0.0376	0.0538
2021/06/13	16	25.9	0.0355	0.0493
2021/06/13	17	26.9	0.0350	0.0392
2021/06/13	18	25.5	0.0413	0.0459
2021/06/13	19	24.5	0.0451	0.0581
2021/06/13	20	22.5	0.0395	0.0725
2021/06/13	21	22.4	0.0336	0.0639
2021/06/13	22	21	0.0289	0.0509
2021/06/13	23	19.1	0.0398	0.0410

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/14	00	17.6	0.0429	0.0493
2021/06/14	01	17.2	0.0462	0.0566
2021/06/14	02	17.4	0.0352	0.0613
2021/06/14	03	17.4	0.0324	0.0601
2021/06/14	04	16.9	0.0309	0.0653
2021/06/14	05	16.8	0.0402	0.0660
2021/06/14	06	16.9	0.0481	0.0663
2021/06/14	07	19.4	0.0531	0.0618
2021/06/14	08	18.7	0.0519	0.0585
2021/06/14	09	19.8	0.0463	0.0569
2021/06/14	10	20.6	0.0435	0.0550
2021/06/14	11	23	0.0394	0.0506
2021/06/14	12	23	0.0383	0.0492
2021/06/14	13	21.4	0.0386	0.0514
2021/06/14	14	21.1	0.0394	0.0649
2021/06/14	15	17.9	0.0449	0.0746
2021/06/14	16	18.3	0.0524	0.0780
2021/06/14	17	19.1	0.0593	0.0722
2021/06/14	18	17.5	0.0601	0.0645
2021/06/14	19	17	0.0559	0.0587
2021/06/14	20	17.2	0.0479	0.0513
2021/06/14	21	17.2	0.0378	0.0432
2021/06/14	22	16.1	0.0267	0.0350
2021/06/14	23	16.4	0.0214	0.0306
2021/06/15	00	16.1	0.0195	0.0301
2021/06/15	01	16.1	0.0201	0.0362
2021/06/15	02	15.7	0.0232	0.0445
2021/06/15	03	15.9	0.0271	0.0555
2021/06/15	04	16.3	0.0381	0.0682
2021/06/15	05	16.1	0.0503	0.0771
2021/06/15	06	16.8	0.0633	0.0796
2021/06/15	07	16.8	0.0669	0.0701
2021/06/15	08	17.3	0.0664	0.0648
2021/06/15	09	16.4	0.0616	0.0592
2021/06/15	10	14.7	0.0572	0.0604
2021/06/15	11	14.9	0.0513	0.0567
2021/06/15	12	15.9	0.0449	0.0562
2021/06/15	13	16.7	0.0400	0.0595
2021/06/15	14	17.2	0.0398	0.0702
2021/06/15	15	20.1	0.0454	0.0793
2021/06/15	16	22.7	0.0534	0.0823
2021/06/15	17	23.2	0.0585	0.0775
2021/06/15	18	21.9	0.0584	0.0736
2021/06/15	19	20.4	0.0570	0.0671
2021/06/15	20	18.3	0.0498	0.0578
2021/06/15	21	17	0.0425	0.0467
2021/06/15	22	15.9	0.0310	0.0410
2021/06/15	23	14.8	0.0256	0.0412

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/16	00	14.1	0.0227	0.0446
2021/06/16	01	12.8	0.0235	0.0487
2021/06/16	02	12.6	0.0270	0.0586
2021/06/16	03	11.6	0.0362	0.0740
2021/06/16	04	11	0.0471	0.0895
2021/06/16	05	10.4	0.0618	0.0955
2021/06/16	06	12	0.0684	0.0887
2021/06/16	07	12.8	0.0694	0.0746
2021/06/16	08	13.5	0.0604	0.0612
2021/06/16	09	14.4	0.0539	0.0537
2021/06/16	10	15.9	0.0503	0.0511
2021/06/16	11	18.2	0.0463	0.0486
2021/06/16	12	17.5	0.0414	0.0480
2021/06/16	13	19.3	0.0368	0.0502
2021/06/16	14	19.3	0.0386	0.0605
2021/06/16	15	20.5	0.0470	0.0710
2021/06/16	16	21.6	0.0531	0.0755
2021/06/16	17	20.8	0.0553	0.0725
2021/06/16	18	20.7	0.0543	0.0656
2021/06/16	19	19.4	0.0548	0.0609
2021/06/16	20	16.1	0.0527	0.0541
2021/06/16	21	14.4	0.0458	0.0477
2021/06/16	22	13.4	0.0369	0.0418
2021/06/16	23	11.3	0.0379	0.0387
2021/06/17	00	11.2	0.0408	0.0397
2021/06/17	01	9.5	0.0454	0.0491
2021/06/17	02	8.9	0.0399	0.0578
2021/06/17	03	9.2	0.0366	0.0606
2021/06/17	04	8.4	0.0382	0.0555
2021/06/17	05	8.7	0.0449	0.0650
2021/06/17	06	12.4	0.0496	0.0742
2021/06/17	07	14.5	0.0489	0.0733
2021/06/17	08	16.3	0.0458	0.0563
2021/06/17	09	18.6	0.0442	0.0569
2021/06/17	10	20.8	0.0488	0.0710
2021/06/17	11	22	0.0488	0.0862
2021/06/17	12	23	0.0450	0.0745
2021/06/17	13	24.2	0.0363	0.0583
2021/06/17	14	25.1	0.0392	0.0432
2021/06/17	15	26.1	0.0476	0.0490
2021/06/17	16	26.1	0.0557	0.0559
2021/06/17	17	25.7	0.0559	0.0591
2021/06/17	18	24.2	0.0567	0.0553
2021/06/17	19	22.2	0.0566	0.0481
2021/06/17	20	19.4	0.0527	0.0468
2021/06/17	21	18.7	0.0438	0.0481
2021/06/17	22	17.9	0.0314	0.0529
2021/06/17	23	18	0.0243	0.0527

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/18	00	16.3	0.0208	0.0540
2021/06/18	01	16	0.0202	0.0620
2021/06/18	02	13.9	0.0204	0.0703
2021/06/18	03	13.8	0.0245	0.0705
2021/06/18	04	14.1	0.0325	0.0626
2021/06/18	05	14.6	0.0443	0.0670
2021/06/18	06	17	0.0548	0.0684
2021/06/18	07	17.2	0.0600	0.0718
2021/06/18	08	18.6	0.0613	0.0628
2021/06/18	09	17.1	0.0610	0.0627
2021/06/18	10	19.7	0.0585	0.0570
2021/06/18	11	19.9	0.0561	0.0539
2021/06/18	12	19.3	0.0508	0.0487
2021/06/18	13	18	0.0492	0.0547
2021/06/18	14	16.9	0.0476	0.0667
2021/06/18	15	16.9	0.0531	0.0773
2021/06/18	16	17.5	0.0600	0.0832
2021/06/18	17	17.3	0.0651	0.0788
2021/06/18	18	17.2	0.0613	0.0725
2021/06/18	19	17	0.0552	0.0618
2021/06/18	20	17.1	0.0462	0.0523
2021/06/18	21	17.1	0.0400	0.0448
2021/06/18	22	17.4	0.0345	0.0414
2021/06/18	23	17.1	0.0321	0.0392
2021/06/19	00	16.4	0.0289	0.0352
2021/06/19	01	16.2	0.0264	0.0318
2021/06/19	02	16.2	0.0252	0.0324
2021/06/19	03	16	0.0347	0.0420
2021/06/19	04	15.2	0.0419	0.0577
2021/06/19	05	15.3	0.0501	0.0714
2021/06/19	06	16.6	0.0541	0.0806
2021/06/19	07	19.3	0.0637	0.0807
2021/06/19	08	20.9	0.0707	0.0803
2021/06/19	09	22.6	0.0715	0.0782
2021/06/19	10	23.1	0.0643	0.0779
2021/06/19	11	23.6	0.0609	0.0793
2021/06/19	12	24.4	0.0570	0.0789
2021/06/19	13	24.2	0.0530	0.0789
2021/06/19	14	25.4	0.0466	0.0830
2021/06/19	15	26.2	0.0451	0.0894
2021/06/19	16	25.9	0.0483	0.0922
2021/06/19	17	25.8	0.0511	0.0844
2021/06/19	18	25.2	0.0488	0.0772
2021/06/19	19	23.7	0.0492	0.0706
2021/06/19	20	22.2	0.0476	0.0634
2021/06/19	21	19.1	0.0442	0.0556
2021/06/19	22	18.6	0.0355	0.0485
2021/06/19	23	19.6	0.0291	0.0456

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/20	00	17.8	0.0247	0.0422
2021/06/20	01	17.7	0.0229	0.0415
2021/06/20	02	16	0.0232	0.0441
2021/06/20	03	16	0.0265	0.0506
2021/06/20	04	14.5	0.0312	0.0627
2021/06/20	05	14	0.0376	0.0780
2021/06/20	06	17.8	0.0489	0.0930
2021/06/20	07	19.2	0.0603	0.1023
2021/06/20	08	21	0.0677	0.1014
2021/06/20	09	21.8	0.0706	0.0926
2021/06/20	10	24.3	0.0683	0.0814
2021/06/20	11	24.4	0.0627	0.0699
2021/06/20	12	25	0.0559	0.0635
2021/06/20	13	26.8	0.0503	0.0614
2021/06/20	14	26.8	0.0480	0.0683
2021/06/20	15	27.5	0.0493	0.0725
2021/06/20	16	26.9	0.0537	0.0726
2021/06/20	17	26.9	0.0582	0.0682
2021/06/20	18	25.8	0.0581	0.0634
2021/06/20	19	25	0.0586	0.0564
2021/06/20	20	23	0.0524	0.0483
2021/06/20	21	20.9	0.0429	0.0400
2021/06/20	22	19.9	0.0322	0.0309
2021/06/20	23	19.8	0.0307	0.0252
2021/06/21	00	19	0.0352	0.0260
2021/06/21	01	18.1	0.0339	0.0317
2021/06/21	02	17.2	0.0296	0.0380
2021/06/21	03	17.1	0.0288	0.0532
2021/06/21	04	17	0.0363	0.0574
2021/06/21	05	16.9	0.0419	0.0557
2021/06/21	06	18.1	0.0404	0.0489
2021/06/21	07	18.5	0.0364	0.0528
2021/06/21	08	20.3	0.0349	0.0600
2021/06/21	09	22.2	0.0335	0.0539
2021/06/21	10	22.8	0.0324	0.0453
2021/06/21	11	24	0.0307	0.0401
2021/06/21	12	23.1	0.0342	0.0485
2021/06/21	13	25.9	0.0361	0.0548
2021/06/21	14	27.8	0.0385	0.0589
2021/06/21	15	28.6	0.0376	0.0545
2021/06/21	16	28.8	0.0345	0.0543
2021/06/21	17	28.3	0.0339	0.0574
2021/06/21	18	28	0.0349	0.0592
2021/06/21	19	24.2	0.0405	0.0576
2021/06/21	20	22.1	0.0410	0.0509
2021/06/21	21	21.9	0.0463	0.0541
2021/06/21	22	21.4	0.0498	0.0622
2021/06/21	23	19.1	0.0561	0.0714

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/22	00	17.6	0.0549	0.0686
2021/06/22	01	16.2	0.0500	0.0651
2021/06/22	02	14.2	0.0437	0.0666
2021/06/22	03	12.7	0.0432	0.0734
2021/06/22	04	11.8	0.0517	0.0741
2021/06/22	05	11	0.0603	0.0681
2021/06/22	06	10.5	0.0599	0.0646
2021/06/22	07	10.7	0.0544	0.0686
2021/06/22	08	11.8	0.0520	0.0714
2021/06/22	09	13.6	0.0541	0.0669
2021/06/22	10	14.2	0.0535	0.0591
2021/06/22	11	15.3	0.0480	0.0543
2021/06/22	12	15.3	0.0427	0.0592
2021/06/22	13	14.8	0.0431	0.0699
2021/06/22	14	15.2	0.0526	0.0784
2021/06/22	15	15.1	0.0618	0.0836
2021/06/22	16	15.6	0.0678	0.0813
2021/06/22	17	16.4	0.0663	0.0795
2021/06/22	18	15.7	0.0656	0.0701
2021/06/22	19	16.2	0.0602	0.0601
2021/06/22	20	14	0.0526	0.0525
2021/06/22	21	11.9	0.0410	0.0478
2021/06/22	22	10.8	0.0373	0.0468
2021/06/22	23	10.8	0.0335	0.0461
2021/06/23	00	8.7	0.0332	0.0528
2021/06/23	01	7.6	0.0340	0.0643
2021/06/23	02	5.9	0.0444	0.0796
2021/06/23	03	7.3	0.0588	0.0933
2021/06/23	04	6.4	0.0705	0.0951
2021/06/23	05	8.1	0.0731	0.0855
2021/06/23	06	10.5	0.0711	0.0697
2021/06/23	07	13.3	0.0635	0.0603
2021/06/23	08	14.7	0.0580	0.0563
2021/06/23	09	16.6	0.0545	0.0539
2021/06/23	10	18.1	0.0499	0.0491
2021/06/23	11	17.9	0.0450	0.0464
2021/06/23	12	18.4	0.0409	0.0517
2021/06/23	13	19.7	0.0444	0.0596
2021/06/23	14	20.6	0.0518	0.0727
2021/06/23	15	20.8	0.0597	0.0780
2021/06/23	16	21.6	0.0641	0.0765
2021/06/23	17	20.8	0.0634	0.0683
2021/06/23	18	21.6	0.0591	0.0605
2021/06/23	19	18.8	0.0518	0.0529
2021/06/23	20	17.2	0.0432	0.0451
2021/06/23	21	16.1	0.0327	0.0388
2021/06/23	22	14.9	0.0279	0.0377
2021/06/23	23	14.4	0.0262	0.0394

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/24	00	13.4	0.0259	0.0425
2021/06/24	01	11.7	0.0247	0.0529
2021/06/24	02	11	0.0301	0.0676
2021/06/24	03	10.9	0.0397	0.0840
2021/06/24	04	10.5	0.0522	0.0928
2021/06/24	05	11.3	0.0578	0.0902
2021/06/24	06	14.1	0.0600	0.0850
2021/06/24	07	16.8	0.0575	0.0791
2021/06/24	08	18.8	0.0572	0.0759
2021/06/24	09	22.1	0.0569	0.0710
2021/06/24	10	24.4	0.0556	0.0647
2021/06/24	11	25.4	0.0497	0.0616
2021/06/24	12	26.3	0.0430	0.0623
2021/06/24	13	26.5	0.0383	0.0703
2021/06/24	14	26.8	0.0421	0.0769
2021/06/24	15	27.2	0.0507	0.0816
2021/06/24	16	26.6	0.0581	0.0786
2021/06/24	17	25.7	0.0584	0.0748
2021/06/24	18	24.8	0.0534	0.0638
2021/06/24	19	24	0.0457	0.0543
2021/06/24	20	22.3	0.0371	0.0438
2021/06/24	21	20.9	0.0295	0.0393
2021/06/24	22	19.5	0.0235	0.0355
2021/06/24	23	20.8	0.0196	0.0338
2021/06/25	00	21.2	0.0173	0.0346
2021/06/25	01	20.4	0.0189	0.0418
2021/06/25	02	20	0.0251	0.0530
2021/06/25	03	19.8	0.0318	0.0655
2021/06/25	04	19.6	0.0371	0.0694
2021/06/25	05	19.2	0.0398	0.0714
2021/06/25	06	19.3	0.0398	0.0642
2021/06/25	07	19.6	0.0368	0.0568
2021/06/25	08	19.9	0.0331	0.0463
2021/06/25	09	21.1	0.0326	0.0501
2021/06/25	10	21.3	0.0375	0.0575
2021/06/25	11	22	0.0405	0.0645
2021/06/25	12	21.9	0.0431	0.0599
2021/06/25	13	22.6	0.0357	0.0558
2021/06/25	14	22.9	0.0315	0.0537
2021/06/25	15	23.8	0.0297	0.0546
2021/06/25	16	24.1	0.0368	0.0544
2021/06/25	17	23.9	0.0391	0.0521
2021/06/25	18	23.1	0.0347	0.0531
2021/06/25	19	21.9	0.0318	0.0617
2021/06/25	20	20.7	0.0356	0.0707
2021/06/25	21	20.2	0.0398	0.0705
2021/06/25	22	20	0.0423	0.0652
2021/06/25	23	20	0.0417	0.0648

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/26	00	19.2	0.0431	0.0700
2021/06/26	01	18.6	0.0511	0.0709
2021/06/26	02	18.3	0.0550	0.0704
2021/06/26	03	18.1	0.0608	0.0734
2021/06/26	04	17.5	0.0563	0.0729
2021/06/26	05	17.3	0.0555	0.0697
2021/06/26	06	16.9	0.0547	0.0668
2021/06/26	07	16.7	0.0568	0.0698
2021/06/26	08	17.3	0.0560	0.0723
2021/06/26	09	18.1	0.0516	0.0660
2021/06/26	10	19	0.0448	0.0562
2021/06/26	11	20.2	0.0417	0.0461
2021/06/26	12	21.4	0.0409	0.0492
2021/06/26	13	22.7	0.0417	0.0583
2021/06/26	14	24	0.0444	0.0682
2021/06/26	15	23.2	0.0507	0.0694
2021/06/26	16	23.7	0.0548	0.0636
2021/06/26	17	23.2	0.0528	0.0598
2021/06/26	18	22.3	0.0475	0.0526
2021/06/26	19	21.4	0.0415	0.0467
2021/06/26	20	21.2	0.0357	0.0384
2021/06/26	21	21.5	0.0293	0.0352
2021/06/26	22	21.9	0.0235	0.0318
2021/06/26	23	22.1	0.0203	0.0302
2021/06/27	00	21.8	0.0177	0.0300
2021/06/27	01	22	0.0172	0.0341
2021/06/27	02	22.1	0.0176	0.0400
2021/06/27	03	22.4	0.0227	0.0496
2021/06/27	04	23	0.0299	0.0603
2021/06/27	05	22.9	0.0430	0.0712
2021/06/27	06	24	0.0504	0.0712
2021/06/27	07	24.5	0.0602	0.0604
2021/06/27	08	26.2	0.0618	0.0599
2021/06/27	09	27.1	0.0653	0.0609
2021/06/27	10	27.8	0.0635	0.0666
2021/06/27	11	29.6	0.0624	0.0576
2021/06/27	12	29.9	0.0586	0.0579
2021/06/27	13	30.6	0.0527	0.0627
2021/06/27	14	31.1	0.0521	0.0711
2021/06/27	15	30.2	0.0536	0.0719
2021/06/27	16	29.5	0.0575	0.0714
2021/06/27	17	29.3	0.0560	0.0701
2021/06/27	18	28.4	0.0551	0.0656
2021/06/27	19	28	0.0486	0.0582
2021/06/27	20	27.5	0.0405	0.0468
2021/06/27	21	26.5	0.0296	0.0397
2021/06/27	22	25.9	0.0229	0.0355
2021/06/27	23	25.6	0.0188	0.0365

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/28	00	23.5	0.0167	0.0385
2021/06/28	01	22.9	0.0171	0.0440
2021/06/28	02	22.8	0.0198	0.0544
2021/06/28	03	22.2	0.0261	0.0662
2021/06/28	04	22.1	0.0359	0.0730
2021/06/28	05	22.1	0.0453	0.0734
2021/06/28	06	22.7	0.0496	0.0676
2021/06/28	07	23.5	0.0481	0.0596
2021/06/28	08	24.3	0.0449	0.0547
2021/06/28	09	25.6	0.0438	0.0545
2021/06/28	10	26.2	0.0408	0.0551
2021/06/28	11	28.7	0.0382	0.0518
2021/06/28	12	29	0.0371	0.0518
2021/06/28	13	30.5	0.0394	0.0588
2021/06/28	14	30.8	0.0457	0.0663
2021/06/28	15	30.9	0.0513	0.0721
2021/06/28	16	31.8	0.0558	0.0673
2021/06/28	17	31.5	0.0535	0.0628
2021/06/28	18	30.8	0.0523	0.0538
2021/06/28	19	29.4	0.0475	0.0473
2021/06/28	20	27.7	0.0421	0.0392
2021/06/28	21	24.6	0.0313	0.0322
2021/06/28	22	24.2	0.0238	0.0279
2021/06/28	23	23.2	0.0191	0.0267
2021/06/29	00	23.1	0.0174	0.0284
2021/06/29	01	22.6	0.0178	0.0365
2021/06/29	02	21.8	0.0196	0.0462
2021/06/29	03	20.5	0.0269	0.0581
2021/06/29	04	20.1	0.0363	0.0635
2021/06/29	05	19.3	0.0429	0.0664
2021/06/29	06	20.9	0.0427	0.0668
2021/06/29	07	22.4	0.0411	0.0639
2021/06/29	08	23.7	0.0415	0.0601
2021/06/29	09	24.7	0.0413	0.0559
2021/06/29	10	26.8	0.0375	0.0533
2021/06/29	11	27.3	0.0361	0.0512
2021/06/29	12	21.1	0.0358	0.0470
2021/06/29	13	19.7	0.0395	0.0455
2021/06/29	14	20.3	0.0408	0.0513
2021/06/29	15	22.2	0.0461	0.0561
2021/06/29	16	22.7	0.0471	0.0667
2021/06/29	17	23.7	0.0489	0.0677
2021/06/29	18	24.4	0.0463	0.0697
2021/06/29	19	23.4	0.0454	0.0609
2021/06/29	20	22	0.0439	0.0560
2021/06/29	21	21.7	0.0452	0.0548
2021/06/29	22	21.4	0.0457	0.0580
2021/06/29	23	20.8	0.0456	0.0571

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/06/30	00	20.9	0.0440	0.0514
2021/06/30	01	21.7	0.0467	0.0468
2021/06/30	02	22.3	0.0498	0.0465
2021/06/30	03	22.4	0.0524	0.0481
2021/06/30	04	22.2	0.0492	0.0447
2021/06/30	05	22.1	0.0472	0.0406
2021/06/30	06	22.2	0.0446	0.0394
2021/06/30	07	23	0.0428	0.0422
2021/06/30	08	24.5	0.0419	0.0485
2021/06/30	09	24.6	0.0408	0.0487
2021/06/30	10	25.4	0.0414	0.0464
2021/06/30	11	27.3	0.0402	0.0393
2021/06/30	12	27.9	0.0380	0.0451
2021/06/30	13	29.1	0.0349	0.0540
2021/06/30	14	29.9	0.0358	0.0624
2021/06/30	15	24.5	0.0423	0.0568
2021/06/30	16	25.1	0.0493	0.0544
2021/06/30	17	26.3	0.0505	0.0551
2021/06/30	18	23.9	0.0448	0.0596
2021/06/30	19	23.1	0.0368	0.0591
2021/06/30	20	21.6	0.0291	0.0544
2021/06/30	21	20.4	0.0237	0.0465
2021/06/30	22	19.6	0.0209	0.0393
2021/06/30	23	18.5	0.0198	0.0327
2021/07/01	00	17.3	0.0189	0.0313
2021/07/01	01	16.1	0.0193	0.0296
2021/07/01	02	16.2	0.0209	0.0304
2021/07/01	03	16.4	0.0262	0.0364
2021/07/01	04	15.8	0.0343	0.0434
2021/07/01	05	14.6	0.0469	0.0532
2021/07/01	06	17	0.0576	0.0585
2021/07/01	07	17.9	0.0608	0.0684
2021/07/01	08	19.3	0.0585	0.0759
2021/07/01	09	20.1	0.0530	0.0808
2021/07/01	10	19.2	0.0506	0.0806
2021/07/01	11	20.3	0.0452	0.0737
2021/07/01	12	22.4	0.0449	0.0641
2021/07/01	13	22.9	0.0448	0.0554
2021/07/01	14	23.9	0.0523	0.0556
2021/07/01	15	25.3	0.0553	0.0613
2021/07/01	16	23.7	0.0559	0.0672
2021/07/01	17	23.7	0.0493	0.0671
2021/07/01	18	22.7	0.0422	0.0624
2021/07/01	19	22.2	0.0357	0.0551
2021/07/01	20	21.4	0.0297	0.0502
2021/07/01	21	21.1	0.0255	0.0455
2021/07/01	22	20.3	0.0211	0.0424
2021/07/01	23	19.6	0.0205	0.0374

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/02	00	18.3	0.0222	0.0344
2021/07/02	01	18.4	0.0261	0.0324
2021/07/02	02	17.6	0.0294	0.0350
2021/07/02	03	16.8	0.0340	0.0398
2021/07/02	04	16.5	0.0412	0.0459
2021/07/02	05	16.2	0.0492	0.0554
2021/07/02	06	16.5	0.0531	0.0635
2021/07/02	07	18	0.0527	0.0700
2021/07/02	08	17.9	0.0478	0.0742
2021/07/02	09	18.2	0.0441	0.0771
2021/07/02	10	19.2	0.0412	0.0789
2021/07/02	11	21	0.0397	0.0736
2021/07/02	12	21.2	0.0394	0.0689
2021/07/02	13	22.2	0.0431	0.0638
2021/07/02	14	22.2	0.0493	0.0651
2021/07/02	15	20.3	0.0513	0.0677
2021/07/02	16	21.2	0.0482	0.0769
2021/07/02	17	20.8	0.0439	0.0841
2021/07/02	18	19.9	0.0401	0.0841
2021/07/02	19	18.2	0.0351	0.0756
2021/07/02	20	17.1	0.0283	0.0615
2021/07/02	21	16.7	0.0221	0.0537
2021/07/02	22	16.5	0.0202	0.0470
2021/07/02	23	15.1	0.0212	0.0427
2021/07/03	00	15.6	0.0216	0.0385
2021/07/03	01	15.1	0.0216	0.0389
2021/07/03	02	14	0.0251	0.0416
2021/07/03	03	13.5	0.0324	0.0455
2021/07/03	04	14.1	0.0424	0.0482
2021/07/03	05	12.8	0.0519	0.0554
2021/07/03	06	14.4	0.0570	0.0663
2021/07/03	07	15.2	0.0560	0.0804
2021/07/03	08	16.3	0.0500	0.0876
2021/07/03	09	17.6	0.0438	0.0891
2021/07/03	10	17.8	0.0419	0.0862
2021/07/03	11	18.7	0.0387	0.0817
2021/07/03	12	19.1	0.0368	0.0780
2021/07/03	13	21.2	0.0324	0.0738
2021/07/03	14	20.8	0.0353	0.0743
2021/07/03	15	20.6	0.0397	0.0743
2021/07/03	16	21.1	0.0484	0.0760
2021/07/03	17	20.7	0.0481	0.0764
2021/07/03	18	20.2	0.0492	0.0762
2021/07/03	19	19.1	0.0473	0.0728
2021/07/03	20	17.3	0.0510	0.0675
2021/07/03	21	16	0.0530	0.0653
2021/07/03	22	15.3	0.0520	0.0619
2021/07/03	23	14.2	0.0492	0.0582

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/04	00	14.2	0.0441	0.0545
2021/07/04	01	12.7	0.0469	0.0533
2021/07/04	02	13.8	0.0464	0.0566
2021/07/04	03	12.4	0.0471	0.0552
2021/07/04	04	12.8	0.0391	0.0538
2021/07/04	05	12.3	0.0352	0.0495
2021/07/04	06	14.5	0.0367	0.0553
2021/07/04	07	16.3	0.0427	0.0631
2021/07/04	08	17.9	0.0452	0.0709
2021/07/04	09	19.4	0.0386	0.0668
2021/07/04	10	20.4	0.0305	0.0622
2021/07/04	11	21.1	0.0275	0.0579
2021/07/04	12	21	0.0328	0.0634
2021/07/04	13	22.9	0.0398	0.0651
2021/07/04	14	23.5	0.0448	0.0645
2021/07/04	15	24.3	0.0429	0.0591
2021/07/04	16	22.9	0.0398	0.0580
2021/07/04	17	24.5	0.0389	0.0635
2021/07/04	18	23.6	0.0384	0.0664
2021/07/04	19	21.4	0.0357	0.0613
2021/07/04	20	19.4	0.0279	0.0528
2021/07/04	21	18.4	0.0227	0.0546
2021/07/04	22	16	0.0188	0.0647
2021/07/04	23	15.2	0.0175	0.0738
2021/07/05	00	14.6	0.0164	0.0635
2021/07/05	01	15.6	0.0192	0.0496
2021/07/05	02	15.5	0.0257	0.0407
2021/07/05	03	14.9	0.0337	0.0485
2021/07/05	04	12.6	0.0408	0.0596
2021/07/05	05	13.9	0.0439	0.0678
2021/07/05	06	15.5	0.0452	0.0695
2021/07/05	07	17.6	0.0454	0.0716
2021/07/05	08	19.5	0.0431	0.0695
2021/07/05	09	21.7	0.0424	0.0641
2021/07/05	10	23.6	0.0413	0.0553
2021/07/05	11	24.7	0.0410	0.0516
2021/07/05	12	25.7	0.0411	0.0474
2021/07/05	13	26	0.0427	0.0459
2021/07/05	14	26	0.0487	0.0464
2021/07/05	15	26.7	0.0530	0.0573
2021/07/05	16	26.5	0.0532	0.0683
2021/07/05	17	26.8	0.0513	0.0762
2021/07/05	18	26.4	0.0467	0.0715
2021/07/05	19	24.7	0.0392	0.0637
2021/07/05	20	23.9	0.0302	0.0533
2021/07/05	21	23.3	0.0221	0.0456
2021/07/05	22	20.6	0.0180	0.0381
2021/07/05	23	20.4	0.0152	0.0317

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/06	00	19.9	0.0149	0.0282
2021/07/06	01	20.1	0.0172	0.0283
2021/07/06	02	19.9	0.0231	0.0298
2021/07/06	03	20.3	0.0319	0.0362
2021/07/06	04	20.3	0.0417	0.0440
2021/07/06	05	20.4	0.0448	0.0586
2021/07/06	06	20.9	0.0470	0.0657
2021/07/06	07	21.7	0.0461	0.0706
2021/07/06	08	22.3	0.0453	0.0639
2021/07/06	09	23.5	0.0412	0.0582
2021/07/06	10	24	0.0375	0.0523
2021/07/06	11	26	0.0359	0.0486
2021/07/06	12	27.7	0.0375	0.0469
2021/07/06	13	29.1	0.0420	0.0464
2021/07/06	14	29.2	0.0501	0.0487
2021/07/06	15	30.1	0.0551	0.0569
2021/07/06	16	30.2	0.0558	0.0635
2021/07/06	17	29.5	0.0518	0.0716
2021/07/06	18	28.5	0.0460	0.0671
2021/07/06	19	26.9	0.0374	0.0614
2021/07/06	20	25.4	0.0292	0.0509
2021/07/06	21	24.2	0.0216	0.0466
2021/07/06	22	22.3	0.0182	0.0395
2021/07/06	23	20.6	0.0164	0.0346
2021/07/07	00	18.8	0.0159	0.0332
2021/07/07	01	17.7	0.0199	0.0352
2021/07/07	02	16.8	0.0266	0.0364
2021/07/07	03	16.2	0.0361	0.0418
2021/07/07	04	15.6	0.0441	0.0501
2021/07/07	05	14.9	0.0490	0.0643
2021/07/07	06	13.8	0.0486	0.0735
2021/07/07	07	13.4	0.0469	0.0752
2021/07/07	08	12.4	0.0444	0.0695
2021/07/07	09	13	0.0453	0.0615
2021/07/07	10	13.2	0.0439	0.0616
2021/07/07	11	13.5	0.0415	0.0612
2021/07/07	12	14.7	0.0398	0.0590
2021/07/07	13	15.8	0.0396	0.0546
2021/07/07	14	16.7	0.0414	0.0547
2021/07/07	15	17.3	0.0437	0.0638
2021/07/07	16	17.4	0.0459	0.0760
2021/07/07	17	17.5	0.0469	0.0806
2021/07/07	18	17.6	0.0462	0.0781
2021/07/07	19	16.4	0.0473	0.0693
2021/07/07	20	14.7	0.0491	0.0597
2021/07/07	21	14.2	0.0475	0.0545
2021/07/07	22	14.7	0.0426	0.0554
2021/07/07	23	15.3	0.0384	0.0693

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/08	00	14	0.0388	0.0668
2021/07/08	01	14.8	0.0424	0.0569
2021/07/08	02	14.9	0.0487	0.0413
2021/07/08	03	15.1	0.0461	0.0474
2021/07/08	04	14.6	0.0377	0.0639
2021/07/08	05	13.5	0.0282	0.0732
2021/07/08	06	13.8	0.0312	0.0656
2021/07/08	07	14.3	0.0427	0.0581
2021/07/08	08	15.1	0.0497	0.0536
2021/07/08	09	16.3	0.0500	0.0582
2021/07/08	10	16.7	0.0415	0.0633
2021/07/08	11	16.9	0.0388	0.0687
2021/07/08	12	17.5	0.0386	0.0718
2021/07/08	13	17.2	0.0446	0.0648
2021/07/08	14	16.1	0.0460	0.0670
2021/07/08	15	14.2	0.0506	0.0769
2021/07/08	16	14.3	0.0518	0.0890
2021/07/08	17	14.4	0.0499	0.1003
2021/07/08	18	14.4	0.0439	0.0897
2021/07/08	19	14.6	0.0392	0.0764
2021/07/08	20	14.9	0.0377	0.0590
2021/07/08	21	14.9	0.0389	0.0538
2021/07/08	22	14.5	0.0415	0.0494
2021/07/08	23	13.9	0.0421	0.0469
2021/07/09	00	13.9	0.0378	0.0445
2021/07/09	01	13.8	0.0309	0.0433
2021/07/09	02	13.8	0.0265	0.0442
2021/07/09	03	13.6	0.0278	0.0501
2021/07/09	04	13.6	0.0342	0.0609
2021/07/09	05	13.6	0.0438	0.0680
2021/07/09	06	14.1	0.0510	0.0725
2021/07/09	07	15	0.0547	0.0726
2021/07/09	08	16.2	0.0579	0.0714
2021/07/09	09	16.9	0.0590	0.0670
2021/07/09	10	17.4	0.0581	0.0611
2021/07/09	11	18.5	0.0554	0.0521
2021/07/09	12	18.3	0.0494	0.0476
2021/07/09	13	18.5	0.0449	0.0461
2021/07/09	14	19.3	0.0442	0.0522
2021/07/09	15	19.8	0.0463	0.0620
2021/07/09	16	20.7	0.0523	0.0718
2021/07/09	17	20.9	0.0538	0.0752
2021/07/09	18	20.9	0.0565	0.0716
2021/07/09	19	19.9	0.0538	0.0663
2021/07/09	20	18.4	0.0491	0.0603
2021/07/09	21	17.5	0.0394	0.0531
2021/07/09	22	16.5	0.0310	0.0469
2021/07/09	23	15	0.0231	0.0406

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/10	00	15.2	0.0206	0.0394
2021/07/10	01	14.4	0.0192	0.0391
2021/07/10	02	13.3	0.0201	0.0429
2021/07/10	03	11.9	0.0220	0.0451
2021/07/10	04	11.5	0.0252	0.0511
2021/07/10	05	12.4	0.0342	0.0618
2021/07/10	06	14.8	0.0496	0.0735
2021/07/10	07	17.5	0.0654	0.0868
2021/07/10	08	19.5	0.0733	0.0952
2021/07/10	09	22	0.0713	0.1023
2021/07/10	10	23.1	0.0629	0.1025
2021/07/10	11	24.7	0.0552	0.0960
2021/07/10	12	25.3	0.0458	0.0829
2021/07/10	13	24.8	0.0408	0.0680
2021/07/10	14	25.5	0.0380	0.0623
2021/07/10	15	26.1	0.0415	0.0692
2021/07/10	16	26.3	0.0454	0.0750
2021/07/10	17	25.6	0.0472	0.0749
2021/07/10	18	25	0.0490	0.0669
2021/07/10	19	22.5	0.0485	0.0608
2021/07/10	20	19.8	0.0459	0.0534
2021/07/10	21	19.3	0.0382	0.0467
2021/07/10	22	18.6	0.0309	0.0411
2021/07/10	23	18.4	0.0244	0.0385
2021/07/11	00	17.2	0.0218	0.0358
2021/07/11	01	16.2	0.0206	0.0349
2021/07/11	02	16	0.0212	0.0363
2021/07/11	03	15.4	0.0218	0.0409
2021/07/11	04	13.6	0.0246	0.0460
2021/07/11	05	13.4	0.0328	0.0520
2021/07/11	06	15.2	0.0451	0.0612
2021/07/11	07	17.4	0.0550	0.0702
2021/07/11	08	20.1	0.0587	0.0737
2021/07/11	09	21.9	0.0558	0.0750
2021/07/11	10	23.4	0.0529	0.0744
2021/07/11	11	24.7	0.0515	0.0714
2021/07/11	12	25.3	0.0495	0.0626
2021/07/11	13	25.9	0.0449	0.0547
2021/07/11	14	26	0.0424	0.0523
2021/07/11	15	25.6	0.0443	0.0602
2021/07/11	16	25.4	0.0519	0.0699
2021/07/11	17	24.9	0.0552	0.0757
2021/07/11	18	24.4	0.0558	0.0713
2021/07/11	19	22.5	0.0525	0.0644
2021/07/11	20	21.6	0.0472	0.0558
2021/07/11	21	20.6	0.0398	0.0504
2021/07/11	22	18.2	0.0339	0.0492
2021/07/11	23	19.4	0.0324	0.0583

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/12	00	18.5	0.0338	0.0598
2021/07/12	01	18.8	0.0384	0.0530
2021/07/12	02	17.4	0.0403	0.0418
2021/07/12	03	17.2	0.0395	0.0445
2021/07/12	04	16.2	0.0324	0.0576
2021/07/12	05	17.1	0.0284	0.0651
2021/07/12	06	17.7	0.0275	0.0594
2021/07/12	07	18.8	0.0347	0.0433
2021/07/12	08	20.5	0.0406	0.0374
2021/07/12	09	22.5	0.0408	0.0414
2021/07/12	10	23.1	0.0367	0.0464
2021/07/12	11	24.4	0.0343	0.0411
2021/07/12	12	25.7	0.0346	0.0397
2021/07/12	13	26.5	0.0340	0.0469
2021/07/12	14	27.3	0.0358	0.0635
2021/07/12	15	27.6	0.0409	0.0607
2021/07/12	16	27.5	0.0476	0.0470
2021/07/12	17	27.3	0.0453	0.0320
2021/07/12	18	26.4	0.0390	0.0382
2021/07/12	19	25.1	0.0284	0.0502
2021/07/12	20	22.9	0.0275	0.0571
2021/07/12	21	22.4	0.0334	0.0507
2021/07/12	22	22	0.0419	0.0402
2021/07/12	23	21.1	0.0421	0.0387
2021/07/13	00	20.4	0.0347	0.0449
2021/07/13	01	19.8	0.0291	0.0579
2021/07/13	02	20	0.0317	0.0574
2021/07/13	03	19.5	0.0384	0.0542
2021/07/13	04	19.6	0.0430	0.0561
2021/07/13	05	19.3	0.0421	0.0629
2021/07/13	06	19.3	0.0443	0.0674
2021/07/13	07	19.9	0.0435	0.0619
2021/07/13	08	20.5	0.0442	0.0574
2021/07/13	09	22.3	0.0411	0.0542
2021/07/13	10	23.2	0.0395	0.0513
2021/07/13	11	24.5	0.0384	0.0458
2021/07/13	12	25.3	0.0377	0.0450
2021/07/13	13	24.7	0.0373	0.0466
2021/07/13	14	26.8	0.0390	0.0598
2021/07/13	15	28.1	0.0442	0.0700
2021/07/13	16	26.9	0.0528	0.0745
2021/07/13	17	26	0.0572	0.0681
2021/07/13	18	25.1	0.0548	0.0586
2021/07/13	19	24.8	0.0494	0.0486
2021/07/13	20	21.9	0.0429	0.0407
2021/07/13	21	21.4	0.0349	0.0349
2021/07/13	22	21.1	0.0253	0.0312
2021/07/13	23	21	0.0186	0.0292

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/14	00	20.5	0.0159	0.0303
2021/07/14	01	20.1	0.0153	0.0343
2021/07/14	02	20.3	0.0164	0.0408
2021/07/14	03	20.6	0.0188	0.0473
2021/07/14	04	20.4	0.0260	0.0580
2021/07/14	05	20.5	0.0336	0.0644
2021/07/14	06	20.8	0.0413	0.0685
2021/07/14	07	21	0.0428	0.0663
2021/07/14	08	21.6	0.0418	0.0648
2021/07/14	09	23.3	0.0398	0.0577
2021/07/14	10	24.9	0.0417	0.0520
2021/07/14	11	24.6	0.0434	0.0450
2021/07/14	12	26	0.0424	0.0430
2021/07/14	13	27.9	0.0384	0.0456
2021/07/14	14	28	0.0364	0.0549
2021/07/14	15	28.7	0.0415	0.0646
2021/07/14	16	28.9	0.0473	0.0716
2021/07/14	17	28.5	0.0511	0.0676
2021/07/14	18	27.9	0.0505	0.0634
2021/07/14	19	25.9	0.0497	0.0510
2021/07/14	20	24.5	0.0459	0.0441
2021/07/14	21	21.4	0.0370	0.0347
2021/07/14	22	21.3	0.0267	0.0320
2021/07/14	23	20.6	0.0207	0.0290
2021/07/15	00	19.9	0.0182	0.0282
2021/07/15	01	19.4	0.0173	0.0304
2021/07/15	02	19	0.0159	0.0363
2021/07/15	03	18.8	0.0178	0.0486
2021/07/15	04	18.1	0.0253	0.0629
2021/07/15	05	18.1	0.0336	0.0698
2021/07/15	06	19.1	0.0427	0.0716
2021/07/15	07	21	0.0447	0.0626
2021/07/15	08	23.3	0.0434	0.0572
2021/07/15	09	25.5	0.0413	0.0502
2021/07/15	10	26.7	0.0408	0.0474
2021/07/15	11	27.8	0.0414	0.0451
2021/07/15	12	27.6	0.0384	0.0434
2021/07/15	13	28.3	0.0372	0.0476
2021/07/15	14	28	0.0371	0.0549
2021/07/15	15	27.9	0.0409	0.0647
2021/07/15	16	27.3	0.0445	0.0701
2021/07/15	17	25.9	0.0478	0.0675
2021/07/15	18	25.6	0.0481	0.0615
2021/07/15	19	25.4	0.0455	0.0527
2021/07/15	20	24	0.0419	0.0454
2021/07/15	21	22	0.0339	0.0385
2021/07/15	22	22	0.0296	0.0318
2021/07/15	23	22.1	0.0280	0.0295

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/16	00	21.9	0.0295	0.0305
2021/07/16	01	21.5	0.0268	0.0394
2021/07/16	02	20.7	0.0236	0.0499
2021/07/16	03	20.1	0.0260	0.0522
2021/07/16	04	18.7	0.0339	0.0455
2021/07/16	05	18.5	0.0368	0.0385
2021/07/16	06	18.4	0.0340	0.0434
2021/07/16	07	18.2	0.0294	0.0486
2021/07/16	08	18.7	0.0306	0.0505
2021/07/16	09	20.3	0.0312	0.0502
2021/07/16	10	21.6	0.0315	0.0547
2021/07/16	11	22.8	0.0300	0.0601
2021/07/16	12	24.1	0.0334	0.0606
2021/07/16	13	25	0.0371	0.0484
2021/07/16	14	25.3	0.0391	0.0389
2021/07/16	15	25.6	0.0365	0.0374
2021/07/16	16	25.1	0.0293	0.0462
2021/07/16	17	24.6	0.0244	0.0559
2021/07/16	18	24	0.0254	0.0502
2021/07/16	19	23.2	0.0328	0.0441
2021/07/16	20	20.5	0.0369	0.0420
2021/07/16	21	18.4	0.0381	0.0468
2021/07/16	22	19.7	0.0355	0.0546
2021/07/16	23	18.8	0.0367	0.0544
2021/07/17	00	16.8	0.0362	0.0549
2021/07/17	01	17.5	0.0366	0.0525
2021/07/17	02	18.8	0.0356	0.0606
2021/07/17	03	18.5	0.0383	0.0617
2021/07/17	04	16.5	0.0416	0.0633
2021/07/17	05	16.3	0.0439	0.0586
2021/07/17	06	17.9	0.0461	0.0661
2021/07/17	07	19.2	0.0479	0.0708
2021/07/17	08	21.2	0.0503	0.0691
2021/07/17	09	22.4	0.0497	0.0623
2021/07/17	10	22.9	0.0466	0.0574
2021/07/17	11	23.2	0.0420	0.0551
2021/07/17	12	23.6	0.0387	0.0530
2021/07/17	13	24	0.0390	0.0523
2021/07/17	14	24.7	0.0420	0.0563
2021/07/17	15	25.3	0.0449	0.0629
2021/07/17	16	24.8	0.0476	0.0691
2021/07/17	17	24.2	0.0480	0.0671
2021/07/17	18	23.2	0.0455	0.0602
2021/07/17	19	22.4	0.0401	0.0521
2021/07/17	20	19.9	0.0341	0.0430
2021/07/17	21	20.7	0.0281	0.0372
2021/07/17	22	20.1	0.0216	0.0321
2021/07/17	23	19.4	0.0182	0.0335

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/18	00	19.4	0.0167	0.0347
2021/07/18	01	18.9	0.0167	0.0340
2021/07/18	02	19.8	0.0158	0.0334
2021/07/18	03	17.6	0.0185	0.0341
2021/07/18	04	17.3	0.0241	0.0448
2021/07/18	05	17.5	0.0346	0.0589
2021/07/18	06	17.5	0.0446	0.0696
2021/07/18	07	19.8	0.0531	0.0729
2021/07/18	08	22.3	0.0556	0.0686
2021/07/18	09	23.1	0.0533	0.0642
2021/07/18	10	24.3	0.0484	0.0616
2021/07/18	11	25	0.0428	0.0566
2021/07/18	12	26.2	0.0401	0.0555
2021/07/18	13	27.1	0.0393	0.0583
2021/07/18	14	27.6	0.0436	0.0700
2021/07/18	15	28.5	0.0486	0.0782
2021/07/18	16	28.7	0.0550	0.0788
2021/07/18	17	28.3	0.0548	0.0694
2021/07/18	18	26.8	0.0518	0.0620
2021/07/18	19	24.1	0.0473	0.0549
2021/07/18	20	21.9	0.0410	0.0483
2021/07/18	21	20.6	0.0338	0.0398
2021/07/18	22	19.9	0.0243	0.0338
2021/07/18	23	19.4	0.0189	0.0329
2021/07/19	00	17.9	0.0180	0.0340
2021/07/19	01	17.8	0.0170	0.0335
2021/07/19	02	18.6	0.0178	0.0393
2021/07/19	03	18	0.0188	0.0493
2021/07/19	04	17.6	0.0272	0.0616
2021/07/19	05	17.5	0.0369	0.0664
2021/07/19	06	18.8	0.0434	0.0640
2021/07/19	07	20.3	0.0446	0.0591
2021/07/19	08	21.8	0.0465	0.0561
2021/07/19	09	23.6	0.0469	0.0551
2021/07/19	10	24.7	0.0474	0.0512
2021/07/19	11	26	0.0466	0.0465
2021/07/19	12	27.2	0.0457	0.0437
2021/07/19	13	28.4	0.0417	0.0498
2021/07/19	14	28.9	0.0370	0.0606
2021/07/19	15	28.3	0.0417	0.0718
2021/07/19	16	28.5	0.0479	0.0750
2021/07/19	17	27	0.0547	0.0688
2021/07/19	18	25.9	0.0528	0.0587
2021/07/19	19	24.6	0.0528	0.0490
2021/07/19	20	23.6	0.0468	0.0428
2021/07/19	21	22.3	0.0396	0.0363
2021/07/19	22	19.8	0.0286	0.0314
2021/07/19	23	19.9	0.0236	0.0268

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/20	00	18.7	0.0212	0.0261
2021/07/20	01	19.1	0.0200	0.0276
2021/07/20	02	20.9	0.0186	0.0341
2021/07/20	03	20.6	0.0193	0.0451
2021/07/20	04	20	0.0270	0.0500
2021/07/20	05	20	0.0353	0.0475
2021/07/20	06	19.7	0.0440	0.0453
2021/07/20	07	20.8	0.0459	0.0524
2021/07/20	08	21.3	0.0450	0.0637
2021/07/20	09	22.8	0.0427	0.0592
2021/07/20	10	23	0.0407	0.0475
2021/07/20	11	23.6	0.0402	0.0347
2021/07/20	12	25.3	0.0378	0.0413
2021/07/20	13	26.1	0.0376	0.0479
2021/07/20	14	16.8	0.0383	0.0550
2021/07/20	15	16.9	0.0459	0.0492
2021/07/20	16	17.3	0.0542	0.0472
2021/07/20	17	17.9	0.0578	0.0517
2021/07/20	18	18.3	0.0554	0.0570
2021/07/20	19	17.9	0.0515	0.0573
2021/07/20	20	17.5	0.0484	0.0547
2021/07/20	21	17.4	0.0415	0.0550
2021/07/20	22	17.1	0.0339	0.0646
2021/07/20	23	16.7	0.0282	0.0643
2021/07/21	00	16.4	0.0253	0.0636
2021/07/21	01	16	0.0231	0.0598
2021/07/21	02	16.1	0.0219	0.0634
2021/07/21	03	16.2	0.0281	0.0653
2021/07/21	04	16.2	0.0356	0.0613
2021/07/21	05	16	0.0462	0.0571
2021/07/21	06	15.9	0.0515	0.0586
2021/07/21	07	17.5	0.0538	0.0629
2021/07/21	08	18.5	0.0498	0.0625
2021/07/21	09	19.9	0.0453	0.0588
2021/07/21	10	20.2	0.0434	0.0515
2021/07/21	11	21.3	0.0422	0.0472
2021/07/21	12	21.6	0.0390	0.0468
2021/07/21	13	23.6	0.0354	0.0572
2021/07/21	14	24.7	0.0342	0.0682
2021/07/21	15	25.6	0.0407	0.0726
2021/07/21	16	24.4	0.0469	0.0705
2021/07/21	17	24.9	0.0532	0.0674
2021/07/21	18	24.3	0.0530	0.0593
2021/07/21	19	22.9	0.0528	0.0507
2021/07/21	20	21.1	0.0484	0.0394
2021/07/21	21	18.8	0.0413	0.0387
2021/07/21	22	18.3	0.0317	0.0375
2021/07/21	23	17	0.0292	0.0371

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/22	00	16.3	0.0334	0.0380
2021/07/22	01	16.1	0.0403	0.0474
2021/07/22	02	14.3	0.0390	0.0627
2021/07/22	03	15	0.0337	0.0764
2021/07/22	04	14.2	0.0288	0.0780
2021/07/22	05	14.5	0.0354	0.0755
2021/07/22	06	15.1	0.0427	0.0673
2021/07/22	07	16.9	0.0482	0.0624
2021/07/22	08	18.5	0.0413	0.0580
2021/07/22	09	20.2	0.0369	0.0545
2021/07/22	10	22.3	0.0343	0.0533
2021/07/22	11	23.2	0.0376	0.0504
2021/07/22	12	24.4	0.0386	0.0516
2021/07/22	13	24	0.0354	0.0592
2021/07/22	14	25.3	0.0369	0.0687
2021/07/22	15	24.8	0.0384	0.0745
2021/07/22	16	22.4	0.0459	0.0693
2021/07/22	17	22.8	0.0465	0.0609
2021/07/22	18	16.9	0.0473	0.0517
2021/07/22	19	16.4	0.0401	0.0438
2021/07/22	20	16.7	0.0361	0.0396
2021/07/22	21	14.6	0.0307	0.0365
2021/07/22	22	15.6	0.0364	0.0335
2021/07/22	23	14.5	0.0349	0.0328
2021/07/23	00	13.9	0.0356	0.0348
2021/07/23	01	14.2	0.0341	0.0426
2021/07/23	02	15.1	0.0361	0.0525
2021/07/23	03	14.2	0.0384	0.0635
2021/07/23	04	14.8	0.0412	0.0677
2021/07/23	05	14.2	0.0500	0.0677
2021/07/23	06	15.2	0.0551	0.0624
2021/07/23	07	17.1	0.0585	0.0613
2021/07/23	08	19.3	0.0574	0.0580
2021/07/23	09	20.5	0.0584	0.0534
2021/07/23	10	21.9	0.0514	0.0481
2021/07/23	11	22.8	0.0438	0.0451
2021/07/23	12	23.9	0.0364	0.0476
2021/07/23	13	25.1	0.0379	0.0541
2021/07/23	14	25.5	0.0406	0.0592
2021/07/23	15	24.4	0.0474	0.0612
2021/07/23	16	24.4	0.0513	0.0575
2021/07/23	17	24.6	0.0544	0.0548
2021/07/23	18	24.5	0.0521	0.0509
2021/07/23	19	23.5	0.0472	0.0441
2021/07/23	20	19	0.0399	0.0373
2021/07/23	21	18.2	0.0332	0.0319
2021/07/23	22	16.5	0.0271	0.0308
2021/07/23	23	16.1	0.0237	0.0331

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/24	00	15.4	0.0208	0.0368
2021/07/24	01	15.5	0.0210	0.0394
2021/07/24	02	14.1	0.0246	0.0425
2021/07/24	03	13	0.0305	0.0505
2021/07/24	04	12.8	0.0377	0.0626
2021/07/24	05	12.8	0.0454	0.0730
2021/07/24	06	15.8	0.0545	0.0696
2021/07/24	07	17.7	0.0597	0.0595
2021/07/24	08	20.5	0.0580	0.0464
2021/07/24	09	21.6	0.0507	0.0477
2021/07/24	10	23.6	0.0433	0.0538
2021/07/24	11	25.3	0.0391	0.0619
2021/07/24	12	25.3	0.0368	0.0555
2021/07/24	13	26.2	0.0381	0.0460
2021/07/24	14	26.2	0.0456	0.0383
2021/07/24	15	26.1	0.0520	0.0471
2021/07/24	16	24.9	0.0552	0.0519
2021/07/24	17	24.1	0.0510	0.0552
2021/07/24	18	23.4	0.0462	0.0514
2021/07/24	19	22.6	0.0409	0.0566
2021/07/24	20	21.9	0.0346	0.0643
2021/07/24	21	20.4	0.0288	0.0658
2021/07/24	22	19.7	0.0251	0.0688
2021/07/24	23	18.7	0.0219	0.0688
2021/07/25	00	18.9	0.0195	0.0755
2021/07/25	01	19	0.0182	0.0714
2021/07/25	02	19.6	0.0194	0.0704
2021/07/25	03	20.1	0.0222	0.0624
2021/07/25	04	20.8	0.0268	0.0606
2021/07/25	05	20.7	0.0351	0.0525
2021/07/25	06	20.8	0.0434	0.0503
2021/07/25	07	21.5	0.0513	0.0492
2021/07/25	08	22.7	0.0554	0.0517
2021/07/25	09	23.8	0.0594	0.0545
2021/07/25	10	24	0.0573	0.0499
2021/07/25	11	24	0.0513	0.0428
2021/07/25	12	25.1	0.0422	0.0410
2021/07/25	13	25.1	0.0392	0.0554
2021/07/25	14	25.8	0.0425	0.0719
2021/07/25	15	25.9	0.0520	0.0777
2021/07/25	16	26.5	0.0558	0.0716
2021/07/25	17	26.3	0.0543	0.0626
2021/07/25	18	25.9	0.0482	0.0560
2021/07/25	19	22.2	0.0421	0.0478
2021/07/25	20	19.6	0.0351	0.0390
2021/07/25	21	20.4	0.0270	0.0350
2021/07/25	22	18.6	0.0213	0.0326
2021/07/25	23	16.8	0.0186	0.0335

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/26	00	15.5	0.0166	0.0328
2021/07/26	01	16.2	0.0173	0.0370
2021/07/26	02	16.4	0.0209	0.0490
2021/07/26	03	16.3	0.0338	0.0580
2021/07/26	04	15.1	0.0417	0.0673
2021/07/26	05	15.3	0.0427	0.0650
2021/07/26	06	16.1	0.0362	0.0641
2021/07/26	07	17.8	0.0345	0.0582
2021/07/26	08	20.2	0.0364	0.0546
2021/07/26	09	22.9	0.0343	0.0529
2021/07/26	10	24.3	0.0286	0.0477
2021/07/26	11	25.2	0.0282	0.0446
2021/07/26	12	26.7	0.0304	0.0446
2021/07/26	13	27.6	0.0365	0.0571
2021/07/26	14	28.5	0.0355	0.0680
2021/07/26	15	27.2	0.0336	0.0730
2021/07/26	16	28.1	0.0291	0.0653
2021/07/26	17	27.7	0.0291	0.0615
2021/07/26	18	26.4	0.0346	0.0560
2021/07/26	19	24.3	0.0388	0.0499
2021/07/26	20	22.7	0.0407	0.0415
2021/07/26	21	21.6	0.0380	0.0336
2021/07/26	22	20.2	0.0406	0.0336
2021/07/26	23	19.8	0.0424	0.0333
2021/07/27	00	19.1	0.0451	0.0361
2021/07/27	01	16.1	0.0424	0.0390
2021/07/27	02	16.2	0.0443	0.0478
2021/07/27	03	15.9	0.0441	0.0585
2021/07/27	04	14.7	0.0489	0.0702
2021/07/27	05	14.9	0.0476	0.0709
2021/07/27	06	15.2	0.0489	0.0680
2021/07/27	07	16.7	0.0473	0.0633
2021/07/27	08	17.5	0.0480	0.0606
2021/07/27	09	16.8	0.0453	0.0607
2021/07/27	10	16.3	0.0446	0.0588
2021/07/27	11	16.5	0.0415	0.0579
2021/07/27	12	16.4	0.0410	0.0600
2021/07/27	13	16.6	0.0444	0.0684
2021/07/27	14	17.2	0.0477	0.0774
2021/07/27	15	17	0.0527	0.0829
2021/07/27	16	17.4	0.0509	0.0781
2021/07/27	17	17.8	0.0514	0.0689
2021/07/27	18	17.3	0.0502	0.0584
2021/07/27	19	17.7	0.0456	0.0487
2021/07/27	20	16.9	0.0404	0.0440
2021/07/27	21	15.5	0.0357	0.0386
2021/07/27	22	15.1	0.0317	0.0350
2021/07/27	23	14.7	0.0290	0.0354

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/28	00	13.9	0.0253	0.0400
2021/07/28	01	13.5	0.0249	0.0474
2021/07/28	02	13	0.0278	0.0590
2021/07/28	03	13.3	0.0365	0.0672
2021/07/28	04	12.8	0.0480	0.0756
2021/07/28	05	13.6	0.0534	0.0727
2021/07/28	06	14.4	0.0549	0.0692
2021/07/28	07	16.3	0.0551	0.0616
2021/07/28	08	17.9	0.0555	0.0560
2021/07/28	09	19.2	0.0557	0.0493
2021/07/28	10	20.8	0.0529	0.0468
2021/07/28	11	22	0.0490	0.0456
2021/07/28	12	21.5	0.0438	0.0435
2021/07/28	13	22.1	0.0387	0.0424
2021/07/28	14	23.1	0.0417	0.0455
2021/07/28	15	22.9	0.0484	0.0539
2021/07/28	16	23.8	0.0520	0.0607
2021/07/28	17	23.4	0.0532	0.0643
2021/07/28	18	21.2	0.0512	0.0679
2021/07/28	19	20.8	0.0476	0.0667
2021/07/28	20	17.7	0.0373	0.0680
2021/07/28	21	15.5	0.0274	0.0654
2021/07/28	22	15.8	0.0246	0.0641
2021/07/28	23	15.7	0.0222	0.0602
2021/07/29	00	15	0.0190	0.0593
2021/07/29	01	14.2	0.0168	0.0625
2021/07/29	02	14.4	0.0219	0.0598
2021/07/29	03	14.3	0.0291	0.0573
2021/07/29	04	14.3	0.0361	0.0505
2021/07/29	05	14.3	0.0428	0.0472
2021/07/29	06	15.1	0.0496	0.0446
2021/07/29	07	15.6	0.0522	0.0477
2021/07/29	08	16.3	0.0543	0.0521
2021/07/29	09	16.4	0.0497	0.0534
2021/07/29	10	15.9	0.0474	0.0480
2021/07/29	11	16.2	0.0404	0.0425
2021/07/29	12	16.4	0.0392	0.0436
2021/07/29	13	16.6	0.0395	0.0555
2021/07/29	14	17.1	0.0461	0.0677
2021/07/29	15	18.1	0.0536	0.0674
2021/07/29	16	18.6	0.0580	0.0609
2021/07/29	17	18.7	0.0567	0.0619
2021/07/29	18	18.5	0.0531	0.0666
2021/07/29	19	17.4	0.0478	0.0645
2021/07/29	20	15.9	0.0398	0.0522
2021/07/29	21	16	0.0318	0.0438
2021/07/29	22	16.4	0.0274	0.0389
2021/07/29	23	16.5	0.0270	0.0345

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/07/30	00	16.1	0.0261	0.0283
2021/07/30	01	15.4	0.0276	0.0265
2021/07/30	02	16.6	0.0296	0.0297
2021/07/30	03	15.9	0.0394	0.0380
2021/07/30	04	15.3	0.0477	0.0492
2021/07/30	05	14.6	0.0585	0.0584
2021/07/30	06	14	0.0561	0.0680
2021/07/30	07	13.5	0.0518	0.0709
2021/07/30	08	13.7	0.0464	0.0716
2021/07/30	09	14.8	0.0506	0.0634
2021/07/30	10	15.5	0.0525	0.0575
2021/07/30	11	17.1	0.0499	0.0518
2021/07/30	12	17.4	0.0423	0.0480
2021/07/30	13	17.7	0.0390	0.0471
2021/07/30	14	17.6	0.0415	0.0478
2021/07/30	15	18.4	0.0479	0.0567
2021/07/30	16	19.2	0.0505	0.0612
2021/07/30	17	17.9	0.0485	0.0662
2021/07/30	18	16.5	0.0468	0.0646
2021/07/30	19	15.6	0.0527	0.0624
2021/07/30	20	15.1	0.0566	0.0566
2021/07/30	21	14.2	0.0612	0.0491
2021/07/30	22	12.8	0.0579	0.0428
2021/07/30	23	10.2	0.0611	0.0405
2021/07/31	00	10.4	0.0593	0.0409
2021/07/31	01	8.8	0.0640	0.0438
2021/07/31	02	9.3	0.0628	0.0463
2021/07/31	03	10.2	0.0670	0.0492
2021/07/31	04	10.8	0.0671	0.0524
2021/07/31	05	10.9	0.0677	0.0610
2021/07/31	06	11.9	0.0634	0.0735
2021/07/31	07	14	0.0587	0.0846
2021/07/31	08	15.7	0.0581	0.0878
2021/07/31	09	17.8	0.0586	0.0825
2021/07/31	10	18.9	0.0573	0.0763
2021/07/31	11	20.9	0.0494	0.0684
2021/07/31	12	21.7	0.0425	0.0653
2021/07/31	13	22.5	0.0476	0.0617
2021/07/31	14	22.6	0.0555	0.0636
2021/07/31	15	21.3	0.0604	0.0705
2021/07/31	16	22.4	0.0573	0.0771
2021/07/31	17	20.6	0.0508	0.0769
2021/07/31	18	19.5	0.0446	0.0674
2021/07/31	19	18.5	0.0367	0.0579
2021/07/31	20	17	0.0321	0.0484
2021/07/31	21	15.6	0.0298	0.0413
2021/07/31	22	15.2	0.0288	0.0351
2021/07/31	23	14.8	0.0275	0.0337

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/01	00	15	0.0265	0.0327
2021/08/01	01	13.9	0.0278	0.0312
2021/08/01	02	12.2	0.0316	0.0301
2021/08/01	03	12.7	0.0390	0.0323
2021/08/01	04	12.8	0.0464	0.0380
2021/08/01	05	13	0.0554	0.0471
2021/08/01	06	13.5	0.0614	0.0585
2021/08/01	07	13.9	0.0609	0.0694
2021/08/01	08	14.3	0.0581	0.0777
2021/08/01	09	14.2	0.0516	0.0777
2021/08/01	10	14.2	0.0476	0.0750
2021/08/01	11	15	0.0436	0.0692
2021/08/01	12	15.2	0.0450	0.0663
2021/08/01	13	15.7	0.0516	0.0632
2021/08/01	14	16.2	0.0585	0.0684
2021/08/01	15	17.4	0.0611	0.0745
2021/08/01	16	17.7	0.0560	0.0780
2021/08/01	17	17.4	0.0489	0.0754
2021/08/01	18	17.3	0.0398	0.0769
2021/08/01	19	16.5	0.0320	0.0759
2021/08/01	20	15.8	0.0280	0.0700
2021/08/01	21	14.9	0.0259	0.0638
2021/08/01	22	15.8	0.0290	0.0595
2021/08/01	23	15.4	0.0273	0.0549
2021/08/02	00	14.4	0.0309	0.0497
2021/08/02	01	14.6	0.0307	0.0515
2021/08/02	02	14.7	0.0341	0.0591
2021/08/02	03	15.1	0.0366	0.0596
2021/08/02	04	13.8	0.0477	0.0504
2021/08/02	05	13.2	0.0559	0.0413
2021/08/02	06	14	0.0659	0.0453
2021/08/02	07	15.1	0.0657	0.0621
2021/08/02	08	16.4	0.0670	0.0765
2021/08/02	09	18.1	0.0613	0.0719
2021/08/02	10	19.2	0.0548	0.0555
2021/08/02	11	20.2	0.0488	0.0411
2021/08/02	12	21.4	0.0471	0.0450
2021/08/02	13	21.9	0.0505	0.0526
2021/08/02	14	22.4	0.0557	0.0556
2021/08/02	15	23.1	0.0570	0.0505
2021/08/02	16	22.7	0.0571	0.0496
2021/08/02	17	22.7	0.0532	0.0561
2021/08/02	18	21.9	0.0479	0.0589
2021/08/02	19	20.4	0.0405	0.0540
2021/08/02	20	18.6	0.0318	0.0455
2021/08/02	21	16.8	0.0259	0.0470
2021/08/02	22	15.9	0.0215	0.0616
2021/08/02	23	15.9	0.0207	0.0763

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/03	00	15.1	0.0229	0.0727
2021/08/03	01	13.8	0.0274	0.0561
2021/08/03	02	13.2	0.0347	0.0422
2021/08/03	03	12.8	0.0448	0.0435
2021/08/03	04	12.3	0.0513	0.0555
2021/08/03	05	11.4	0.0531	0.0694
2021/08/03	06	12.9	0.0526	0.0761
2021/08/03	07	15.6	0.0518	0.0759
2021/08/03	08	19	0.0521	0.0711
2021/08/03	09	21.2	0.0462	0.0654
2021/08/03	10	22.7	0.0389	0.0609
2021/08/03	11	23.8	0.0328	0.0560
2021/08/03	12	23.9	0.0337	0.0513
2021/08/03	13	25.2	0.0382	0.0480
2021/08/03	14	26	0.0419	0.0478
2021/08/03	15	25.4	0.0420	0.0562
2021/08/03	16	24.6	0.0435	0.0641
2021/08/03	17	25	0.0430	0.0704
2021/08/03	18	24.1	0.0437	0.0689
2021/08/03	19	22.5	0.0431	0.0644
2021/08/03	20	20.5	0.0454	0.0537
2021/08/03	21	18.8	0.0460	0.0442
2021/08/03	22	18	0.0449	0.0372
2021/08/03	23	17.2	0.0431	0.0328
2021/08/04	00	16.9	0.0423	0.0342
2021/08/04	01	15.8	0.0413	0.0342
2021/08/04	02	14.9	0.0395	0.0386
2021/08/04	03	14.8	0.0395	0.0430
2021/08/04	04	14.2	0.0395	0.0522
2021/08/04	05	14	0.0442	0.0644
2021/08/04	06	14.7	0.0433	0.0717
2021/08/04	07	16.7	0.0413	0.0721
2021/08/04	08	19.7	0.0385	0.0679
2021/08/04	09	22	0.0404	0.0601
2021/08/04	10	23.9	0.0445	0.0564
2021/08/04	11	25.1	0.0425	0.0497
2021/08/04	12	25.4	0.0372	0.0489
2021/08/04	13	26.1	0.0323	0.0485
2021/08/04	14	26.6	0.0336	0.0541
2021/08/04	15	27.2	0.0384	0.0607
2021/08/04	16	26.8	0.0448	0.0656
2021/08/04	17	26.5	0.0470	0.0667
2021/08/04	18	24.9	0.0437	0.0638
2021/08/04	19	22.4	0.0354	0.0587
2021/08/04	20	20.7	0.0267	0.0520
2021/08/04	21	20.1	0.0206	0.0455
2021/08/04	22	19.3	0.0183	0.0389
2021/08/04	23	18.8	0.0162	0.0338

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/05	00	19.1	0.0163	0.0290
2021/08/05	01	18.7	0.0179	0.0293
2021/08/05	02	18.2	0.0245	0.0327
2021/08/05	03	17.4	0.0338	0.0387
2021/08/05	04	15.5	0.0438	0.0489
2021/08/05	05	14.6	0.0510	0.0589
2021/08/05	06	16.1	0.0538	0.0669
2021/08/05	07	18.6	0.0537	0.0662
2021/08/05	08	20.6	0.0499	0.0608
2021/08/05	09	22.6	0.0449	0.0544
2021/08/05	10	25.1	0.0417	0.0504
2021/08/05	11	26.6	0.0390	0.0505
2021/08/05	12	27.3	0.0404	0.0507
2021/08/05	13	26.9	0.0426	0.0482
2021/08/05	14	28.2	0.0465	0.0488
2021/08/05	15	28.3	0.0496	0.0528
2021/08/05	16	28.3	0.0493	0.0599
2021/08/05	17	28	0.0480	0.0632
2021/08/05	18	26.9	0.0425	0.0628
2021/08/05	19	24.3	0.0362	0.0593
2021/08/05	20	22.9	0.0277	0.0530
2021/08/05	21	21.6	0.0217	0.0495
2021/08/05	22	20.8	0.0171	0.0519
2021/08/05	23	20.2	0.0156	0.0624
2021/08/06	00	19.5	0.0150	0.0605
2021/08/06	01	19.2	0.0164	0.0491
2021/08/06	02	17.6	0.0212	0.0318
2021/08/06	03	16.5	0.0307	0.0367
2021/08/06	04	16.4	0.0398	0.0485
2021/08/06	05	15.7	0.0465	0.0590
2021/08/06	06	16.5	0.0469	0.0519
2021/08/06	07	18.9	0.0472	0.0412
2021/08/06	08	22	0.0450	0.0341
2021/08/06	09	24.6	0.0419	0.0386
2021/08/06	10	26.1	0.0387	0.0434
2021/08/06	11	27.9	0.0373	0.0430
2021/08/06	12	28.7	0.0404	0.0380
2021/08/06	13	29.6	0.0436	0.0448
2021/08/06	14	29.4	0.0469	0.0546
2021/08/06	15	29.4	0.0458	0.0670
2021/08/06	16	28.3	0.0445	0.0693
2021/08/06	17	28.4	0.0422	0.0684
2021/08/06	18	27	0.0391	0.0632
2021/08/06	19	25	0.0327	0.0586
2021/08/06	20	22.3	0.0259	0.0526
2021/08/06	21	20.6	0.0219	0.0454
2021/08/06	22	20.4	0.0190	0.0363
2021/08/06	23	19.6	0.0171	0.0317

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/07	00	19.9	0.0163	0.0281
2021/08/07	01	19.8	0.0177	0.0290
2021/08/07	02	19.5	0.0208	0.0275
2021/08/07	03	17	0.0260	0.0312
2021/08/07	04	15.5	0.0358	0.0357
2021/08/07	05	17.2	0.0440	0.0510
2021/08/07	06	18.2	0.0520	0.0633
2021/08/07	07	19	0.0527	0.0730
2021/08/07	08	20.9	0.0514	0.0741
2021/08/07	09	23	0.0482	0.0740
2021/08/07	10	23.4	0.0460	0.0717
2021/08/07	11	24.6	0.0472	0.0650
2021/08/07	12	25.2	0.0468	0.0556
2021/08/07	13	26.1	0.0486	0.0498
2021/08/07	14	26	0.0460	0.0539
2021/08/07	15	26.3	0.0404	0.0629
2021/08/07	16	27.4	0.0375	0.0675
2021/08/07	17	23.5	0.0384	0.0649
2021/08/07	18	23.2	0.0449	0.0595
2021/08/07	19	22.5	0.0456	0.0540
2021/08/07	20	22.8	0.0439	0.0525
2021/08/07	21	21.7	0.0392	0.0477
2021/08/07	22	21	0.0392	0.0455
2021/08/07	23	20.2	0.0395	0.0378
2021/08/08	00	18.8	0.0365	0.0342
2021/08/08	01	18.4	0.0312	0.0307
2021/08/08	02	18.3	0.0296	0.0303
2021/08/08	03	18.1	0.0319	0.0349
2021/08/08	04	18.7	0.0343	0.0387
2021/08/08	05	18.4	0.0324	0.0497
2021/08/08	06	18.8	0.0301	0.0599
2021/08/08	07	19.8	0.0266	0.0712
2021/08/08	08	21.4	0.0295	0.0779
2021/08/08	09	22.2	0.0362	0.0819
2021/08/08	10	23.9	0.0471	0.0809
2021/08/08	11	25.1	0.0463	0.0747
2021/08/08	12	25.7	0.0399	0.0623
2021/08/08	13	27	0.0300	0.0558
2021/08/08	14	26.6	0.0309	0.0555
2021/08/08	15	26.5	0.0362	0.0656
2021/08/08	16	26.2	0.0422	0.0737
2021/08/08	17	25.4	0.0421	0.0766
2021/08/08	18	24.9	0.0396	0.0744
2021/08/08	19	23.9	0.0415	0.0647
2021/08/08	20	23.2	0.0434	0.0539
2021/08/08	21	22.2	0.0441	0.0409
2021/08/08	22	21.4	0.0339	0.0332
2021/08/08	23	20.4	0.0256	0.0277

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/09	00	20.1	0.0186	0.0259
2021/08/09	01	19.9	0.0180	0.0256
2021/08/09	02	19.8	0.0194	0.0289
2021/08/09	03	19.8	0.0232	0.0331
2021/08/09	04	20	0.0280	0.0431
2021/08/09	05	20.1	0.0326	0.0547
2021/08/09	06	20.2	0.0387	0.0627
2021/08/09	07	20.9	0.0405	0.0644
2021/08/09	08	21.8	0.0429	0.0607
2021/08/09	09	23.6	0.0403	0.0591
2021/08/09	10	25.4	0.0426	0.0559
2021/08/09	11	27.3	0.0428	0.0508
2021/08/09	12	28.1	0.0441	0.0437
2021/08/09	13	29.3	0.0388	0.0416
2021/08/09	14	30	0.0367	0.0473
2021/08/09	15	30.5	0.0383	0.0587
2021/08/09	16	30.4	0.0460	0.0661
2021/08/09	17	29.1	0.0485	0.0695
2021/08/09	18	28.2	0.0471	0.0660
2021/08/09	19	26.3	0.0436	0.0608
2021/08/09	20	24.1	0.0392	0.0522
2021/08/09	21	23.2	0.0337	0.0412
2021/08/09	22	23.1	0.0265	0.0334
2021/08/09	23	23.2	0.0215	0.0264
2021/08/10	00	22	0.0182	0.0241
2021/08/10	01	22.2	0.0169	0.0229
2021/08/10	02	22	0.0176	0.0244
2021/08/10	03	21	0.0201	0.0343
2021/08/10	04	20.8	0.0258	0.0383
2021/08/10	05	19.9	0.0318	0.0403
2021/08/10	06	20.7	0.0384	0.0348
2021/08/10	07	22.4	0.0410	0.0397
2021/08/10	08	25	0.0430	0.0516
2021/08/10	09	25.8	0.0423	0.0498
2021/08/10	10	26.6	0.0415	0.0404
2021/08/10	11	28.3	0.0392	0.0259
2021/08/10	12	30.7	0.0361	0.0331
2021/08/10	13	29.6	0.0355	0.0451
2021/08/10	14	30.4	0.0378	0.0545
2021/08/10	15	29.4	0.0421	0.0475
2021/08/10	16	25.1	0.0459	0.0378
2021/08/10	17	25.3	0.0469	0.0332
2021/08/10	18	25.4	0.0472	0.0385
2021/08/10	19	24.9	0.0448	0.0466
2021/08/10	20	23.6	0.0411	0.0483
2021/08/10	21	23.9	0.0330	0.0491
2021/08/10	22	23.9	0.0253	0.0517
2021/08/10	23	23.4	0.0194	0.0567

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/11	00	22.9	0.0176	0.0546
2021/08/11	01	22.7	0.0167	0.0473
2021/08/11	02	22.4	0.0173	0.0465
2021/08/11	03	22.1	0.0188	0.0527
2021/08/11	04	22.3	0.0245	0.0601
2021/08/11	05	22.5	0.0329	0.0623
2021/08/11	06	23	0.0415	0.0626
2021/08/11	07	23.1	0.0441	0.0636
2021/08/11	08	24.6	0.0421	0.0651
2021/08/11	09	25.7	0.0410	0.0620
2021/08/11	10	27	0.0414	0.0552
2021/08/11	11	28.5	0.0410	0.0459
2021/08/11	12	29.2	0.0371	0.0436
2021/08/11	13	29.9	0.0339	0.0446
2021/08/11	14	28.5	0.0363	0.0536
2021/08/11	15	28.2	0.0435	0.0597
2021/08/11	16	28.9	0.0498	0.0645
2021/08/11	17	28.1	0.0506	0.0613
2021/08/11	18	28.4	0.0479	0.0552
2021/08/11	19	26.8	0.0462	0.0480
2021/08/11	20	25	0.0418	0.0405
2021/08/11	21	25.4	0.0352	0.0348
2021/08/11	22	24.6	0.0293	0.0294
2021/08/11	23	23.8	0.0289	0.0254
2021/08/12	00	23.9	0.0304	0.0245
2021/08/12	01	23.8	0.0281	0.0258
2021/08/12	02	23.9	0.0274	0.0328
2021/08/12	03	23.7	0.0287	0.0433
2021/08/12	04	23.5	0.0324	0.0554
2021/08/12	05	22.7	0.0332	0.0622
2021/08/12	06	22.6	0.0309	0.0624
2021/08/12	07	24.1	0.0296	0.0597
2021/08/12	08	25.7	0.0331	0.0534
2021/08/12	09	25.4	0.0365	0.0499
2021/08/12	10	26.7	0.0376	0.0444
2021/08/12	11	27.3	0.0320	0.0430
2021/08/12	12	27.9	0.0312	0.0421
2021/08/12	13	28.5	0.0313	0.0468
2021/08/12	14	29.7	0.0359	0.0554
2021/08/12	15	29.4	0.0371	0.0626
2021/08/12	16	29.8	0.0365	0.0667
2021/08/12	17	29.3	0.0351	0.0645
2021/08/12	18	28.2	0.0334	0.0585
2021/08/12	19	27	0.0363	0.0516
2021/08/12	20	25	0.0353	0.0443
2021/08/12	21	24.6	0.0331	0.0373
2021/08/12	22	23.2	0.0280	0.0324
2021/08/12	23	22.6	0.0258	0.0273

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/13	00	22.1	0.0269	0.0284
2021/08/13	01	21.2	0.0282	0.0276
2021/08/13	02	20.5	0.0293	0.0338
2021/08/13	03	19.1	0.0274	0.0417
2021/08/13	04	20.1	0.0287	0.0542
2021/08/13	05	20.2	0.0326	0.0618
2021/08/13	06	20.7	0.0399	0.0627
2021/08/13	07	22	0.0434	0.0591
2021/08/13	08	24.2	0.0463	0.0558
2021/08/13	09	25.6	0.0453	0.0523
2021/08/13	10	25.7	0.0430	0.0491
2021/08/13	11	28.2	0.0382	0.0443
2021/08/13	12	28.3	0.0353	0.0448
2021/08/13	13	29.2	0.0333	0.0456
2021/08/13	14	28.8	0.0360	0.0515
2021/08/13	15	29.7	0.0373	0.0559
2021/08/13	16	29.6	0.0410	0.0604
2021/08/13	17	28.4	0.0407	0.0578
2021/08/13	18	23.9	0.0429	0.0525
2021/08/13	19	23.9	0.0414	0.0452
2021/08/13	20	22.6	0.0378	0.0395
2021/08/13	21	23.4	0.0302	0.0348
2021/08/13	22	23.8	0.0249	0.0302
2021/08/13	23	23.6	0.0212	0.0285
2021/08/14	00	21.8	0.0194	0.0273
2021/08/14	01	20.9	0.0199	0.0276
2021/08/14	02	21.6	0.0215	0.0302
2021/08/14	03	20.4	0.0228	0.0342
2021/08/14	04	19.4	0.0243	0.0435
2021/08/14	05	17.8	0.0315	0.0555
2021/08/14	06	16.7	0.0399	0.0639
2021/08/14	07	17.5	0.0485	0.0573
2021/08/14	08	19.7	0.0505	0.0465
2021/08/14	09	21.3	0.0517	0.0494
2021/08/14	10	23.2	0.0481	0.0589
2021/08/14	11	23.6	0.0430	0.0663
2021/08/14	12	23.4	0.0396	0.0553
2021/08/14	13	23	0.0380	0.0482
2021/08/14	14	23.2	0.0384	0.0467
2021/08/14	15	23.1	0.0389	0.0512
2021/08/14	16	22.7	0.0439	0.0531
2021/08/14	17	22.5	0.0479	0.0494
2021/08/14	18	21.6	0.0487	0.0469
2021/08/14	19	20.1	0.0445	0.0524
2021/08/14	20	17.9	0.0383	0.0612
2021/08/14	21	17.4	0.0311	0.0604
2021/08/14	22	17.1	0.0267	0.0586
2021/08/14	23	17.3	0.0236	0.0557

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/15	00	14.9	0.0217	0.0694
2021/08/15	01	12.1	0.0215	0.0735
2021/08/15	02	12.8	0.0220	0.0755
2021/08/15	03	12	0.0239	0.0668
2021/08/15	04	11.8	0.0271	0.0649
2021/08/15	05	11.7	0.0330	0.0628
2021/08/15	06	12.7	0.0435	0.0666
2021/08/15	07	13.9	0.0515	0.0651
2021/08/15	08	16.9	0.0580	0.0637
2021/08/15	09	19.6	0.0557	0.0574
2021/08/15	10	20.7	0.0515	0.0541
2021/08/15	11	21.7	0.0449	0.0532
2021/08/15	12	22.7	0.0415	0.0548
2021/08/15	13	23.6	0.0380	0.0599
2021/08/15	14	23.3	0.0378	0.0675
2021/08/15	15	23.9	0.0429	0.0709
2021/08/15	16	23.7	0.0479	0.0695
2021/08/15	17	23.5	0.0516	0.0621
2021/08/15	18	22.4	0.0516	0.0580
2021/08/15	19	20.5	0.0496	0.0493
2021/08/15	20	16.4	0.0435	0.0415
2021/08/15	21	16.4	0.0352	0.0339
2021/08/15	22	16.1	0.0266	0.0352
2021/08/15	23	15.1	0.0241	0.0372
2021/08/16	00	15.1	0.0290	0.0396
2021/08/16	01	14.1	0.0369	0.0409
2021/08/16	02	13.4	0.0374	0.0486
2021/08/16	03	12.3	0.0344	0.0606
2021/08/16	04	10.9	0.0293	0.0703
2021/08/16	05	10.1	0.0318	0.0724
2021/08/16	06	12.2	0.0377	0.0684
2021/08/16	07	16.1	0.0430	0.0647
2021/08/16	08	18.7	0.0429	0.0608
2021/08/16	09	21.5	0.0402	0.0543
2021/08/16	10	23.1	0.0433	0.0481
2021/08/16	11	23.6	0.0467	0.0444
2021/08/16	12	23.9	0.0419	0.0425
2021/08/16	13	24.8	0.0325	0.0468
2021/08/16	14	25.8	0.0299	0.0564
2021/08/16	15	25	0.0335	0.0695
2021/08/16	16	25.3	0.0391	0.0742
2021/08/16	17	24.6	0.0360	0.0689
2021/08/16	18	23.2	0.0317	0.0587
2021/08/16	19	19.6	0.0255	0.0510
2021/08/16	20	18.5	0.0277	0.0423
2021/08/16	21	17.7	0.0294	0.0377
2021/08/16	22	17.7	0.0329	0.0318
2021/08/16	23	16.9	0.0336	0.0319

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/17	00	15.5	0.0317	0.0320
2021/08/17	01	15.5	0.0309	0.0325
2021/08/17	02	15.9	0.0316	0.0364
2021/08/17	03	16.1	0.0359	0.0454
2021/08/17	04	15.9	0.0380	0.0605
2021/08/17	05	16.3	0.0395	0.0667
2021/08/17	06	16.5	0.0399	0.0668
2021/08/17	07	17.1	0.0421	0.0624
2021/08/17	08	17.7	0.0435	0.0608
2021/08/17	09	18.4	0.0434	0.0576
2021/08/17	10	19.6	0.0418	0.0539
2021/08/17	11	20.5	0.0375	0.0507
2021/08/17	12	22.2	0.0361	0.0505
2021/08/17	13	21.4	0.0369	0.0515
2021/08/17	14	21.4	0.0407	0.0587
2021/08/17	15	21.6	0.0443	0.0647
2021/08/17	16	21.7	0.0463	0.0716
2021/08/17	17	22.1	0.0488	0.0719
2021/08/17	18	21.9	0.0459	0.0651
2021/08/17	19	21.9	0.0412	0.0519
2021/08/17	20	21.6	0.0314	0.0397
2021/08/17	21	21.3	0.0256	0.0324
2021/08/17	22	21.2	0.0226	0.0289
2021/08/17	23	20.9	0.0195	0.0281
2021/08/18	00	21	0.0184	0.0280
2021/08/18	01	20.8	0.0157	0.0306
2021/08/18	02	20.9	0.0182	0.0323
2021/08/18	03	20.9	0.0239	0.0433
2021/08/18	04	20.8	0.0335	0.0514
2021/08/18	05	20.8	0.0424	0.0616
2021/08/18	06	20.9	0.0449	0.0597
2021/08/18	07	21.2	0.0427	0.0569
2021/08/18	08	21.7	0.0387	0.0492
2021/08/18	09	22.5	0.0388	0.0477
2021/08/18	10	24.4	0.0371	0.0480
2021/08/18	11	25.3	0.0379	0.0501
2021/08/18	12	27.3	0.0378	0.0514
2021/08/18	13	27.8	0.0411	0.0478
2021/08/18	14	28.5	0.0393	0.0458
2021/08/18	15	28.2	0.0421	0.0468
2021/08/18	16	27.8	0.0444	0.0531
2021/08/18	17	27.4	0.0509	0.0564
2021/08/18	18	26.4	0.0508	0.0549
2021/08/18	19	24.8	0.0493	0.0552
2021/08/18	20	23.4	0.0437	0.0617
2021/08/18	21	22.6	0.0370	0.0686
2021/08/18	22	21.9	0.0276	0.0665
2021/08/18	23	21.5	0.0210	0.0555

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/19	00	20.1	0.0167	0.0520
2021/08/19	01	19.7	0.0162	0.0608
2021/08/19	02	20.2	0.0159	0.0707
2021/08/19	03	19.4	0.0180	0.0690
2021/08/19	04	19.6	0.0236	0.0547
2021/08/19	05	20	0.0322	0.0456
2021/08/19	06	20.3	0.0393	0.0428
2021/08/19	07	20.6	0.0438	0.0456
2021/08/19	08	21	0.0468	0.0424
2021/08/19	09	22.2	0.0457	0.0419
2021/08/19	10	23.6	0.0433	0.0483
2021/08/19	11	24.8	0.0375	0.0566
2021/08/19	12	26.2	0.0356	0.0565
2021/08/19	13	26.2	0.0323	0.0457
2021/08/19	14	26.4	0.0334	0.0358
2021/08/19	15	26.9	0.0366	0.0411
2021/08/19	16	27.1	0.0417	0.0490
2021/08/19	17	28.7	0.0458	0.0535
2021/08/19	18	26.3	0.0463	0.0481
2021/08/19	19	24.9	0.0449	0.0396
2021/08/19	20	23.8	0.0395	0.0360
2021/08/19	21	21.8	0.0319	0.0311
2021/08/19	22	21.9	0.0249	0.0313
2021/08/19	23	21.9	0.0195	0.0291
2021/08/20	00	19.8	0.0173	0.0291
2021/08/20	01	20.3	0.0158	0.0336
2021/08/20	02	20.1	0.0161	0.0455
2021/08/20	03	20.4	0.0181	0.0608
2021/08/20	04	19.1	0.0232	0.0685
2021/08/20	05	17.9	0.0340	0.0698
2021/08/20	06	18.7	0.0425	0.0675
2021/08/20	07	20.1	0.0459	0.0658
2021/08/20	08	22.4	0.0434	0.0621
2021/08/20	09	24.8	0.0422	0.0568
2021/08/20	10	27.8	0.0417	0.0498
2021/08/20	11	29.2	0.0392	0.0469
2021/08/20	12	31.1	0.0347	0.0472
2021/08/20	13	31.7	0.0314	0.0526
2021/08/20	14	32.1	0.0318	0.0589
2021/08/20	15	31.4	0.0351	0.0631
2021/08/20	16	31.1	0.0402	0.0637
2021/08/20	17	31	0.0426	0.0567
2021/08/20	18	29	0.0436	0.0478
2021/08/20	19	28.6	0.0410	0.0373
2021/08/20	20	26.2	0.0366	0.0310
2021/08/20	21	26	0.0298	0.0258
2021/08/20	22	23.6	0.0237	0.0256
2021/08/20	23	23.1	0.0184	0.0251

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/21	00	22.9	0.0154	0.0271
2021/08/21	01	22.7	0.0140	0.0286
2021/08/21	02	24.2	0.0142	0.0335
2021/08/21	03	20.4	0.0142	0.0442
2021/08/21	04	20.9	0.0176	0.0552
2021/08/21	05	21	0.0236	0.0684
2021/08/21	06	20.5	0.0342	0.0731
2021/08/21	07	23.1	0.0405	0.0720
2021/08/21	08	25.6	0.0457	0.0672
2021/08/21	09	27.3	0.0454	0.0607
2021/08/21	10	29.1	0.0448	0.0552
2021/08/21	11	30.1	0.0413	0.0468
2021/08/21	12	31.1	0.0378	0.0440
2021/08/21	13	32.5	0.0346	0.0509
2021/08/21	14	32.5	0.0345	0.0592
2021/08/21	15	32.5	0.0362	0.0623
2021/08/21	16	31.9	0.0416	0.0597
2021/08/21	17	31.2	0.0429	0.0512
2021/08/21	18	29.5	0.0438	0.0441
2021/08/21	19	26.9	0.0404	0.0355
2021/08/21	20	25.3	0.0375	0.0315
2021/08/21	21	25.7	0.0320	0.0276
2021/08/21	22	22.6	0.0270	0.0250
2021/08/21	23	22.5	0.0249	0.0242
2021/08/22	00	22.4	0.0273	0.0271
2021/08/22	01	20.7	0.0283	0.0299
2021/08/22	02	21.1	0.0299	0.0341
2021/08/22	03	20.4	0.0266	0.0393
2021/08/22	04	21.1	0.0291	0.0538
2021/08/22	05	21	0.0282	0.0654
2021/08/22	06	20.8	0.0307	0.0699
2021/08/22	07	22.7	0.0298	0.0648
2021/08/22	08	25.2	0.0280	0.0585
2021/08/22	09	27.5	0.0266	0.0545
2021/08/22	10	28.7	0.0259	0.0512
2021/08/22	11	29.3	0.0273	0.0505
2021/08/22	12	30.8	0.0295	0.0470
2021/08/22	13	31	0.0311	0.0409
2021/08/22	14	32	0.0314	0.0418
2021/08/22	15	31.9	0.0305	0.0471
2021/08/22	16	31.6	0.0296	0.0628
2021/08/22	17	30.1	0.0336	0.0664
2021/08/22	18	29.7	0.0352	0.0664
2021/08/22	19	27.7	0.0374	0.0557
2021/08/22	20	26.4	0.0330	0.0504
2021/08/22	21	25.5	0.0336	0.0493
2021/08/22	22	25.7	0.0326	0.0523
2021/08/22	23	24.5	0.0349	0.0513

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/23	00	23.1	0.0322	0.0496
2021/08/23	01	22.4	0.0310	0.0448
2021/08/23	02	21.8	0.0316	0.0422
2021/08/23	03	21.4	0.0345	0.0386
2021/08/23	04	21.4	0.0382	0.0379
2021/08/23	05	21.2	0.0399	0.0355
2021/08/23	06	21.4	0.0464	0.0396
2021/08/23	07	23.1	0.0501	0.0493
2021/08/23	08	23.6	0.0494	0.0631
2021/08/23	09	25	0.0438	0.0584
2021/08/23	10	26.5	0.0367	0.0467
2021/08/23	11	26.8	0.0345	0.0327
2021/08/23	12	27	0.0333	0.0386
2021/08/23	13	26.1	0.0365	0.0499
2021/08/23	14	26.1	0.0390	0.0572
2021/08/23	15	26.8	0.0422	0.0520
2021/08/23	16	28.1	0.0433	0.0446
2021/08/23	17	27.1	0.0453	0.0448
2021/08/23	18	26.1	0.0434	0.0469
2021/08/23	19	24.6	0.0386	0.0437
2021/08/23	20	22.7	0.0312	0.0353
2021/08/23	21	22	0.0245	0.0308
2021/08/23	22	23.3	0.0206	0.0281
2021/08/23	23	23.1	0.0175	0.0283
2021/08/24	00	22.8	0.0164	0.0283
2021/08/24	01	21.4	0.0157	0.0351
2021/08/24	02	20.8	0.0180	0.0469
2021/08/24	03	20.9	0.0237	0.0578
2021/08/24	04	21.3	0.0301	0.0641
2021/08/24	05	20.9	0.0376	0.0639
2021/08/24	06	20.6	0.0392	0.0589
2021/08/24	07	21.8	0.0414	0.0539
2021/08/24	08	23.4	0.0392	0.0469
2021/08/24	09	25.2	0.0399	0.0453
2021/08/24	10	26.7	0.0369	0.0418
2021/08/24	11	29.2	0.0344	0.0452
2021/08/24	12	30.5	0.0315	0.0492
2021/08/24	13	31	0.0338	0.0563
2021/08/24	14	31.3	0.0386	0.0651
2021/08/24	15	30.9	0.0452	0.0677
2021/08/24	16	30.6	0.0474	0.0664
2021/08/24	17	29.5	0.0484	0.0591
2021/08/24	18	28.1	0.0439	0.0516
2021/08/24	19	27	0.0385	0.0430
2021/08/24	20	22.8	0.0298	0.0356
2021/08/24	21	21.6	0.0229	0.0317
2021/08/24	22	22.6	0.0181	0.0316
2021/08/24	23	21	0.0160	0.0310

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/25	00	20.4	0.0155	0.0373
2021/08/25	01	19.9	0.0162	0.0412
2021/08/25	02	19.5	0.0180	0.0520
2021/08/25	03	19.1	0.0236	0.0592
2021/08/25	04	18.6	0.0335	0.0644
2021/08/25	05	18.3	0.0407	0.0628
2021/08/25	06	19	0.0432	0.0559
2021/08/25	07	20.5	0.0413	0.0529
2021/08/25	08	23.6	0.0393	0.0489
2021/08/25	09	25.5	0.0401	0.0476
2021/08/25	10	27.4	0.0383	0.0443
2021/08/25	11	28.8	0.0371	0.0420
2021/08/25	12	29.6	0.0329	0.0448
2021/08/25	13	30.9	0.0343	0.0545
2021/08/25	14	32.6	0.0397	0.0619
2021/08/25	15	32.2	0.0447	0.0661
2021/08/25	16	31.4	0.0468	0.0611
2021/08/25	17	31.6	0.0455	0.0567
2021/08/25	18	29.9	0.0443	0.0474
2021/08/25	19	28.8	0.0391	0.0405
2021/08/25	20	26.7	0.0317	0.0326
2021/08/25	21	25.7	0.0237	0.0277
2021/08/25	22	24.6	0.0195	0.0238
2021/08/25	23	23.7	0.0169	0.0226
2021/08/26	00	22.7	0.0160	0.0252
2021/08/26	01	22.5	0.0162	0.0311
2021/08/26	02	22.4	0.0196	0.0395
2021/08/26	03	21.8	0.0256	0.0501
2021/08/26	04	21.3	0.0317	0.0578
2021/08/26	05	21.3	0.0353	0.0624
2021/08/26	06	21.6	0.0353	0.0587
2021/08/26	07	23.4	0.0328	0.0545
2021/08/26	08	25.9	0.0316	0.0486
2021/08/26	09	27.3	0.0302	0.0457
2021/08/26	10	28.1	0.0324	0.0417
2021/08/26	11	30.7	0.0316	0.0409
2021/08/26	12	31.4	0.0319	0.0437
2021/08/26	13	31.9	0.0298	0.0513
2021/08/26	14	31.9	0.0311	0.0594
2021/08/26	15	32.2	0.0316	0.0641
2021/08/26	16	31.8	0.0318	0.0621
2021/08/26	17	31.3	0.0293	0.0569
2021/08/26	18	29.6	0.0308	0.0553
2021/08/26	19	27.9	0.0347	0.0558
2021/08/26	20	26.6	0.0359	0.0539
2021/08/26	21	25.3	0.0351	0.0458
2021/08/26	22	25.3	0.0324	0.0364
2021/08/26	23	23.8	0.0375	0.0306

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/27	00	23.1	0.0377	0.0325
2021/08/27	01	22	0.0408	0.0369
2021/08/27	02	20.8	0.0388	0.0446
2021/08/27	03	20	0.0443	0.0421
2021/08/27	04	19.3	0.0464	0.0365
2021/08/27	05	17.6	0.0507	0.0301
2021/08/27	06	17.2	0.0487	0.0381
2021/08/27	07	17.4	0.0478	0.0500
2021/08/27	08	18.2	0.0434	0.0569
2021/08/27	09	18.9	0.0449	0.0522
2021/08/27	10	20.3	0.0443	0.0460
2021/08/27	11	21.2	0.0460	0.0461
2021/08/27	12	21.4	0.0438	0.0535
2021/08/27	13	22.2	0.0438	0.0566
2021/08/27	14	22.8	0.0430	0.0512
2021/08/27	15	23.4	0.0451	0.0502
2021/08/27	16	22.2	0.0477	0.0554
2021/08/27	17	20.9	0.0468	0.0647
2021/08/27	18	20.1	0.0419	0.0555
2021/08/27	19	19.1	0.0360	0.0460
2021/08/27	20	18.8	0.0334	0.0369
2021/08/27	21	18.1	0.0293	0.0408
2021/08/27	22	17.3	0.0238	0.0427
2021/08/27	23	17.2	0.0209	0.0442
2021/08/28	00	17.1	0.0200	0.0377
2021/08/28	01	16.6	0.0195	0.0331
2021/08/28	02	16.7	0.0183	0.0309
2021/08/28	03	16.8	0.0223	0.0340
2021/08/28	04	16.6	0.0277	0.0413
2021/08/28	05	16	0.0360	0.0486
2021/08/28	06	16.1	0.0465	0.0615
2021/08/28	07	16.1	0.0536	0.0727
2021/08/28	08	16.4	0.0570	0.0820
2021/08/28	09	17.6	0.0544	0.0865
2021/08/28	10	15.9	0.0529	0.0804
2021/08/28	11	17.2	0.0510	0.0759
2021/08/28	12	17.5	0.0474	0.0650
2021/08/28	13	17.8	0.0459	0.0594
2021/08/28	14	18.6	0.0447	0.0553
2021/08/28	15	18.5	0.0460	0.0594
2021/08/28	16	18.4	0.0479	0.0635
2021/08/28	17	18	0.0482	0.0652
2021/08/28	18	18	0.0435	0.0645
2021/08/28	19	17.7	0.0391	0.0613
2021/08/28	20	16.2	0.0343	0.0535
2021/08/28	21	15.7	0.0310	0.0462
2021/08/28	22	15.6	0.0247	0.0406
2021/08/28	23	15.9	0.0203	0.0372

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/29	00	15.9	0.0212	0.0346
2021/08/29	01	16	0.0208	0.0305
2021/08/29	02	16.2	0.0210	0.0319
2021/08/29	03	16.2	0.0205	0.0303
2021/08/29	04	16.4	0.0283	0.0356
2021/08/29	05	16.5	0.0354	0.0409
2021/08/29	06	16.5	0.0440	0.0513
2021/08/29	07	17.1	0.0483	0.0611
2021/08/29	08	17.7	0.0497	0.0670
2021/08/29	09	18.2	0.0501	0.0702
2021/08/29	10	18.6	0.0471	0.0711
2021/08/29	11	19.5	0.0461	0.0683
2021/08/29	12	20.5	0.0416	0.0606
2021/08/29	13	21.4	0.0396	0.0519
2021/08/29	14	23	0.0438	0.0514
2021/08/29	15	23.7	0.0491	0.0587
2021/08/29	16	24.2	0.0541	0.0652
2021/08/29	17	25.6	0.0524	0.0644
2021/08/29	18	25.3	0.0465	0.0591
2021/08/29	19	24	0.0394	0.0546
2021/08/29	20	23.3	0.0307	0.0481
2021/08/29	21	22.8	0.0249	0.0403
2021/08/29	22	23.1	0.0215	0.0315
2021/08/29	23	23.1	0.0197	0.0278
2021/08/30	00	23	0.0186	0.0259
2021/08/30	01	22.6	0.0166	0.0252
2021/08/30	02	22.5	0.0191	0.0269
2021/08/30	03	22.2	0.0276	0.0308
2021/08/30	04	22.2	0.0378	0.0426
2021/08/30	05	22.3	0.0449	0.0512
2021/08/30	06	22	0.0437	0.0589
2021/08/30	07	22.3	0.0400	0.0585
2021/08/30	08	23.9	0.0364	0.0556
2021/08/30	09	25	0.0366	0.0512
2021/08/30	10	25.1	0.0352	0.0468
2021/08/30	11	26.2	0.0364	0.0453
2021/08/30	12	27	0.0355	0.0423
2021/08/30	13	27.7	0.0364	0.0419
2021/08/30	14	28	0.0344	0.0447
2021/08/30	15	27.6	0.0364	0.0547
2021/08/30	16	27.4	0.0394	0.0650
2021/08/30	17	26.4	0.0425	0.0729
2021/08/30	18	25.4	0.0434	0.0701
2021/08/30	19	22.5	0.0418	0.0606
2021/08/30	20	21.1	0.0403	0.0505
2021/08/30	21	21.1	0.0371	0.0405
2021/08/30	22	20.7	0.0366	0.0357
2021/08/30	23	19.4	0.0360	0.0289

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/08/31	00	19.1	0.0378	0.0379
2021/08/31	01	16.9	0.0391	0.0506
2021/08/31	02	16.7	0.0393	0.0665
2021/08/31	03	15.7	0.0402	0.0582
2021/08/31	04	15.6	0.0412	0.0444
2021/08/31	05	14.9	0.0426	0.0317
2021/08/31	06	15.4	0.0413	0.0410
2021/08/31	07	18.1	0.0380	0.0521
2021/08/31	08	19.4	0.0361	0.0542
2021/08/31	09	20.7	0.0371	0.0476
2021/08/31	10	21.8	0.0371	0.0447
2021/08/31	11	22.8	0.0359	0.0531
2021/08/31	12	23.4	0.0327	0.0536
2021/08/31	13	24.2	0.0354	0.0463
2021/08/31	14	24.4	0.0442	0.0346
2021/08/31	15	24.6	0.0505	0.0399
2021/08/31	16	24.3	0.0520	0.0471
2021/08/31	17	23.8	0.0474	0.0538
2021/08/31	18	22.6	0.0419	0.0451
2021/08/31	19	21.2	0.0344	0.0380
2021/08/31	20	19.5	0.0263	0.0326
2021/08/31	21	18.8	0.0208	0.0384
2021/08/31	22	16.4	0.0193	0.0451
2021/08/31	23	16.3	0.0201	0.0484
2021/09/01	00	16.6	0.0214	0.0454
2021/09/01	01	16.7	0.0240	0.0486
2021/09/01	02	14.7	0.0311	0.0574
2021/09/01	03	13.4	0.0417	0.0611
2021/09/01	04	14.9	0.0499	0.0578
2021/09/01	05	14.9	0.0535	0.0534
2021/09/01	06	14.8	0.0507	0.0565
2021/09/01	07	16	0.0524	0.0582
2021/09/01	08	17.1	0.0513	0.0559
2021/09/01	09	17.5	0.0515	0.0515
2021/09/01	10	18.4	0.0461	0.0490
2021/09/01	11	20.2	0.0421	0.0485
2021/09/01	12	21.8	0.0399	0.0482
2021/09/01	13	21.4	0.0432	0.0446
2021/09/01	14	22.2	0.0492	0.0468
2021/09/01	15	22.6	0.0550	0.0534
2021/09/01	16	22.4	0.0563	0.0637
2021/09/01	17	22.5	0.0511	0.0694
2021/09/01	18	21.5	0.0447	0.0681
2021/09/01	19	18.9	0.0344	0.0623
2021/09/01	20	17.5	0.0266	0.0537
2021/09/01	21	18.1	0.0241	0.0447
2021/09/01	22	16.7	0.0216	0.0392
2021/09/01	23	15.7	0.0232	0.0354

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/02	00	14.7	0.0233	0.0345
2021/09/02	01	13.6	0.0273	0.0343
2021/09/02	02	12.8	0.0337	0.0370
2021/09/02	03	12.5	0.0423	0.0431
2021/09/02	04	11.9	0.0508	0.0596
2021/09/02	05	11.7	0.0551	0.0693
2021/09/02	06	11.9	0.0552	0.0744
2021/09/02	07	12.9	0.0567	0.0654
2021/09/02	08	13.4	0.0562	0.0588
2021/09/02	09	14.4	0.0530	0.0544
2021/09/02	10	15.6	0.0472	0.0533
2021/09/02	11	16.6	0.0434	0.0499
2021/09/02	12	15.7	0.0443	0.0465
2021/09/02	13	16.3	0.0484	0.0451
2021/09/02	14	16.8	0.0538	0.0523
2021/09/02	15	16.9	0.0566	0.0634
2021/09/02	16	17.4	0.0553	0.0727
2021/09/02	17	17.1	0.0497	0.0800
2021/09/02	18	17	0.0429	0.0770
2021/09/02	19	17	0.0356	0.0695
2021/09/02	20	16.4	0.0299	0.0547
2021/09/02	21	16.2	0.0251	0.0441
2021/09/02	22	15.3	0.0226	0.0372
2021/09/02	23	15.3	0.0212	0.0326
2021/09/03	00	15.2	0.0209	0.0318
2021/09/03	01	14.7	0.0222	0.0309
2021/09/03	02	14.4	0.0269	0.0325
2021/09/03	03	12.2	0.0364	0.0378
2021/09/03	04	12.2	0.0438	0.0486
2021/09/03	05	11.9	0.0507	0.0608
2021/09/03	06	12.6	0.0512	0.0714
2021/09/03	07	14.9	0.0524	0.0699
2021/09/03	08	17.5	0.0472	0.0630
2021/09/03	09	17.8	0.0414	0.0534
2021/09/03	10	18.9	0.0351	0.0494
2021/09/03	11	19.4	0.0320	0.0483
2021/09/03	12	20.5	0.0329	0.0433
2021/09/03	13	21.7	0.0377	0.0412
2021/09/03	14	22.6	0.0402	0.0439
2021/09/03	15	21.4	0.0422	0.0517
2021/09/03	16	21.1	0.0419	0.0623
2021/09/03	17	20.5	0.0431	0.0687
2021/09/03	18	20	0.0438	0.0722
2021/09/03	19	17.3	0.0456	0.0666
2021/09/03	20	17	0.0488	0.0590
2021/09/03	21	15.1	0.0498	0.0516
2021/09/03	22	13.9	0.0473	0.0457
2021/09/03	23	13.3	0.0440	0.0429

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/04	00	14.4	0.0435	0.0379
2021/09/04	01	14.3	0.0445	0.0372
2021/09/04	02	13.2	0.0433	0.0329
2021/09/04	03	11.7	0.0396	0.0342
2021/09/04	04	11.4	0.0379	0.0375
2021/09/04	05	10.9	0.0391	0.0382
2021/09/04	06	10.3	0.0418	0.0384
2021/09/04	07	13.5	0.0429	0.0403
2021/09/04	08	16.3	0.0396	0.0495
2021/09/04	09	18.6	0.0379	0.0496
2021/09/04	10	19.9	0.0372	0.0416
2021/09/04	11	20.1	0.0417	0.0335
2021/09/04	12	21.4	0.0416	0.0404
2021/09/04	13	21.9	0.0400	0.0571
2021/09/04	14	23.4	0.0358	0.0668
2021/09/04	15	23.4	0.0349	0.0583
2021/09/04	16	23.7	0.0343	0.0417
2021/09/04	17	23.7	0.0345	0.0332
2021/09/04	18	19.7	0.0333	0.0418
2021/09/04	19	18.9	0.0299	0.0506
2021/09/04	20	19.1	0.0261	0.0540
2021/09/04	21	18.3	0.0226	0.0468
2021/09/04	22	18	0.0211	0.0436
2021/09/04	23	16.9	0.0196	0.0496
2021/09/05	00	16.6	0.0186	0.0560
2021/09/05	01	16.4	0.0189	0.0564
2021/09/05	02	16.2	0.0200	0.0520
2021/09/05	03	15.8	0.0263	0.0567
2021/09/05	04	15.4	0.0360	0.0643
2021/09/05	05	15.7	0.0466	0.0677
2021/09/05	06	15.1	0.0525	0.0645
2021/09/05	07	15.8	0.0511	0.0627
2021/09/05	08	17.1	0.0468	0.0627
2021/09/05	09	18.2	0.0430	0.0609
2021/09/05	10	19.6	0.0412	0.0582
2021/09/05	11	17.8	0.0402	0.0556
2021/09/05	12	18.6	0.0394	0.0534
2021/09/05	13	19.2	0.0419	0.0543
2021/09/05	14	21.7	0.0472	0.0552
2021/09/05	15	23.1	0.0494	0.0613
2021/09/05	16	22.9	0.0480	0.0641
2021/09/05	17	23.7	0.0468	0.0664
2021/09/05	18	21.2	0.0415	0.0610
2021/09/05	19	19.6	0.0358	0.0527
2021/09/05	20	19.8	0.0259	0.0455
2021/09/05	21	18.4	0.0225	0.0411
2021/09/05	22	16.4	0.0202	0.0359
2021/09/05	23	15.5	0.0194	0.0319

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/06	00	14.9	0.0194	0.0276
2021/09/06	01	14.5	0.0215	0.0304
2021/09/06	02	15	0.0255	0.0322
2021/09/06	03	14.1	0.0322	0.0380
2021/09/06	04	15	0.0430	0.0481
2021/09/06	05	14.3	0.0555	0.0575
2021/09/06	06	13.6	0.0637	0.0658
2021/09/06	07	15.8	0.0648	0.0696
2021/09/06	08	16.7	0.0595	0.0735
2021/09/06	09	17.6	0.0543	0.0762
2021/09/06	10	18.7	0.0480	0.0712
2021/09/06	11	18.8	0.0438	0.0667
2021/09/06	12	17.6	0.0425	0.0593
2021/09/06	13	17.8	0.0454	0.0601
2021/09/06	14	19	0.0552	0.0652
2021/09/06	15	20.9	0.0609	0.0765
2021/09/06	16	20.7	0.0622	0.0817
2021/09/06	17	20.2	0.0553	0.0817
2021/09/06	18	18.7	0.0475	0.0709
2021/09/06	19	15.5	0.0380	0.0601
2021/09/06	20	15.9	0.0302	0.0461
2021/09/06	21	14.4	0.0249	0.0386
2021/09/06	22	13.7	0.0227	0.0352
2021/09/06	23	12.9	0.0221	0.0331
2021/09/07	00	13.3	0.0240	0.0326
2021/09/07	01	12.5	0.0300	0.0349
2021/09/07	02	12.3	0.0397	0.0453
2021/09/07	03	11.9	0.0526	0.0625
2021/09/07	04	10.8	0.0579	0.0779
2021/09/07	05	11.2	0.0574	0.0810
2021/09/07	06	12.2	0.0496	0.0727
2021/09/07	07	13.2	0.0470	0.0608
2021/09/07	08	15.1	0.0438	0.0509
2021/09/07	09	16.5	0.0408	0.0456
2021/09/07	10	17.8	0.0360	0.0409
2021/09/07	11	19.2	0.0324	0.0397
2021/09/07	12	20.9	0.0346	0.0398
2021/09/07	13	20.5	0.0387	0.0434
2021/09/07	14	21.5	0.0452	0.0512
2021/09/07	15	22.5	0.0470	0.0602
2021/09/07	16	22.2	0.0467	0.0687
2021/09/07	17	22	0.0449	0.0696
2021/09/07	18	20.6	0.0456	0.0625
2021/09/07	19	18.6	0.0438	0.0492
2021/09/07	20	16.6	0.0415	0.0388
2021/09/07	21	16.3	0.0366	0.0314
2021/09/07	22	17.4	0.0361	0.0280
2021/09/07	23	17.9	0.0354	0.0261

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/08	00	15.8	0.0327	0.0260
2021/09/08	01	15.7	0.0302	0.0294
2021/09/08	02	16	0.0277	0.0342
2021/09/08	03	16.4	0.0276	0.0491
2021/09/08	04	16.3	0.0281	0.0581
2021/09/08	05	16.2	0.0309	0.0640
2021/09/08	06	16.3	0.0339	0.0558
2021/09/08	07	16.4	0.0371	0.0453
2021/09/08	08	16.9	0.0344	0.0359
2021/09/08	09	16.9	0.0347	0.0375
2021/09/08	10	16.9	0.0326	0.0446
2021/09/08	11	18.8	0.0346	0.0501
2021/09/08	12	20.4	0.0344	0.0441
2021/09/08	13	21.2	0.0371	0.0384
2021/09/08	14	22.2	0.0400	0.0388
2021/09/08	15	24.4	0.0458	0.0452
2021/09/08	16	24.1	0.0471	0.0487
2021/09/08	17	23.5	0.0463	0.0438
2021/09/08	18	21.7	0.0421	0.0465
2021/09/08	19	19.9	0.0391	0.0546
2021/09/08	20	19.3	0.0371	0.0602
2021/09/08	21	17.1	0.0355	0.0601
2021/09/08	22	17.6	0.0324	0.0540
2021/09/08	23	17.1	0.0276	0.0622
2021/09/09	00	16.2	0.0223	0.0600
2021/09/09	01	15.4	0.0195	0.0587
2021/09/09	02	14.3	0.0214	0.0485
2021/09/09	03	14.2	0.0249	0.0514
2021/09/09	04	13.8	0.0325	0.0630
2021/09/09	05	13.2	0.0443	0.0712
2021/09/09	06	12.4	0.0541	0.0682
2021/09/09	07	14.3	0.0577	0.0528
2021/09/09	08	17.2	0.0547	0.0412
2021/09/09	09	19.2	0.0491	0.0371
2021/09/09	10	19.9	0.0469	0.0376
2021/09/09	11	21.3	0.0418	0.0372
2021/09/09	12	20.6	0.0396	0.0381
2021/09/09	13	21.2	0.0365	0.0423
2021/09/09	14	22.8	0.0383	0.0520
2021/09/09	15	22.5	0.0436	0.0616
2021/09/09	16	18.8	0.0514	0.0698
2021/09/09	17	18.6	0.0599	0.0692
2021/09/09	18	17.2	0.0604	0.0625
2021/09/09	19	16.5	0.0549	0.0511
2021/09/09	20	15.4	0.0456	0.0423
2021/09/09	21	15.2	0.0390	0.0344
2021/09/09	22	15.4	0.0334	0.0301
2021/09/09	23	14.8	0.0279	0.0299

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/10	00	14.2	0.0255	0.0306
2021/09/10	01	13.6	0.0258	0.0344
2021/09/10	02	13.6	0.0293	0.0388
2021/09/10	03	13.5	0.0355	0.0499
2021/09/10	04	13.8	0.0456	0.0628
2021/09/10	05	11.9	0.0605	0.0705
2021/09/10	06	11.5	0.0686	0.0693
2021/09/10	07	13	0.0683	0.0617
2021/09/10	08	13.6	0.0607	0.0545
2021/09/10	09	14.8	0.0538	0.0494
2021/09/10	10	15.8	0.0510	0.0446
2021/09/10	11	17.4	0.0468	0.0410
2021/09/10	12	18.4	0.0435	0.0410
2021/09/10	13	19.5	0.0395	0.0463
2021/09/10	14	18.8	0.0396	0.0572
2021/09/10	15	20.9	0.0426	0.0677
2021/09/10	16	19.5	0.0488	0.0694
2021/09/10	17	18.2	0.0525	0.0663
2021/09/10	18	17.4	0.0535	0.0556
2021/09/10	19	16.1	0.0494	0.0495
2021/09/10	20	14.7	0.0442	0.0430
2021/09/10	21	13.1	0.0375	0.0387
2021/09/10	22	13.8	0.0327	0.0340
2021/09/10	23	13.8	0.0286	0.0311
2021/09/11	00	14.2	0.0267	0.0313
2021/09/11	01	13.1	0.0252	0.0332
2021/09/11	02	12.4	0.0254	0.0357
2021/09/11	03	10.7	0.0272	0.0421
2021/09/11	04	10.8	0.0316	0.0543
2021/09/11	05	9.6	0.0384	0.0670
2021/09/11	06	9.9	0.0490	0.0751
2021/09/11	07	12.4	0.0560	0.0720
2021/09/11	08	15.3	0.0605	0.0673
2021/09/11	09	17.9	0.0600	0.0655
2021/09/11	10	19.7	0.0576	0.0669
2021/09/11	11	19.8	0.0514	0.0667
2021/09/11	12	19	0.0428	0.0647
2021/09/11	13	21.3	0.0389	0.0662
2021/09/11	14	22.7	0.0391	0.0699
2021/09/11	15	23.4	0.0430	0.0758
2021/09/11	16	23.6	0.0472	0.0759
2021/09/11	17	22.4	0.0467	0.0736
2021/09/11	18	21.8	0.0450	0.0655
2021/09/11	19	21.5	0.0399	0.0550
2021/09/11	20	20.6	0.0383	0.0478
2021/09/11	21	20.3	0.0359	0.0411
2021/09/11	22	20.1	0.0336	0.0378
2021/09/11	23	19.8	0.0330	0.0346

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/12	00	19.9	0.0322	0.0333
2021/09/12	01	21.6	0.0349	0.0345
2021/09/12	02	17.8	0.0337	0.0348
2021/09/12	03	17.7	0.0354	0.0382
2021/09/12	04	17.8	0.0333	0.0456
2021/09/12	05	18	0.0388	0.0557
2021/09/12	06	17.8	0.0385	0.0648
2021/09/12	07	17.9	0.0425	0.0689
2021/09/12	08	18	0.0392	0.0718
2021/09/12	09	18	0.0395	0.0626
2021/09/12	10	18.6	0.0359	0.0523
2021/09/12	11	19.7	0.0340	0.0500
2021/09/12	12	20	0.0323	0.0582
2021/09/12	13	22.1	0.0320	0.0654
2021/09/12	14	21.5	0.0358	0.0600
2021/09/12	15	21.2	0.0401	0.0613
2021/09/12	16	21.6	0.0455	0.0617
2021/09/12	17	21.2	0.0442	0.0632
2021/09/12	18	18.4	0.0430	0.0573
2021/09/12	19	16.8	0.0407	0.0597
2021/09/12	20	15	0.0401	0.0690
2021/09/12	21	15.5	0.0386	0.0720
2021/09/12	22	16.6	0.0367	0.0643
2021/09/12	23	16.6	0.0369	0.0497
2021/09/13	00	15.3	0.0405	0.0498
2021/09/13	01	16.3	0.0450	0.0632
2021/09/13	02	14.7	0.0468	0.0688
2021/09/13	03	14.2	0.0452	0.0639
2021/09/13	04	11.7	0.0484	0.0492
2021/09/13	05	11.1	0.0599	0.0433
2021/09/13	06	11.6	0.0680	0.0420
2021/09/13	07	14	0.0676	0.0435
2021/09/13	08	15.7	0.0600	0.0430
2021/09/13	09	17.4	0.0538	0.0438
2021/09/13	10	18.8	0.0494	0.0514
2021/09/13	11	19.5	0.0430	0.0606
2021/09/13	12	19.4	0.0391	0.0589
2021/09/13	13	21.1	0.0365	0.0461
2021/09/13	14	21.1	0.0385	0.0357
2021/09/13	15	21.6	0.0446	0.0416
2021/09/13	16	20.6	0.0522	0.0505
2021/09/13	17	19.7	0.0572	0.0548
2021/09/13	18	18.2	0.0601	0.0471
2021/09/13	19	16.7	0.0573	0.0391
2021/09/13	20	15	0.0512	0.0323
2021/09/13	21	13.8	0.0412	0.0302
2021/09/13	22	11.8	0.0333	0.0286
2021/09/13	23	12.9	0.0290	0.0295

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/14	00	12.7	0.0261	0.0322
2021/09/14	01	13.2	0.0275	0.0403
2021/09/14	02	13.1	0.0297	0.0568
2021/09/14	03	12.1	0.0375	0.0705
2021/09/14	04	10.3	0.0513	0.0733
2021/09/14	05	9.9	0.0710	0.0637
2021/09/14	06	10.1	0.0810	0.0533
2021/09/14	07	11	0.0765	0.0498
2021/09/14	08	13.4	0.0656	0.0468
2021/09/14	09	15.2	0.0553	0.0447
2021/09/14	10	18	0.0522	0.0422
2021/09/14	11	18.7	0.0497	0.0421
2021/09/14	12	18.9	0.0484	0.0460
2021/09/14	13	19.4	0.0462	0.0581
2021/09/14	14	20.6	0.0474	0.0716
2021/09/14	15	19.5	0.0572	0.0809
2021/09/14	16	19.6	0.0656	0.0770
2021/09/14	17	18.8	0.0687	0.0668
2021/09/14	18	18.5	0.0629	0.0528
2021/09/14	19	16.8	0.0558	0.0412
2021/09/14	20	17.6	0.0445	0.0334
2021/09/14	21	17.9	0.0339	0.0304
2021/09/14	22	18.7	0.0252	0.0325
2021/09/14	23	22.6	0.0210	0.0350
2021/09/15	00	19.5	0.0199	0.0347
2021/09/15	01	19.1	0.0195	0.0346
2021/09/15	02	18.8	0.0217	0.0323
2021/09/15	03	18.9	0.0263	0.0364
2021/09/15	04	19	0.0361	0.0458
2021/09/15	05	18.9	0.0496	0.0596
2021/09/15	06	18.5	0.0594	0.0675
2021/09/15	07	17.8	0.0611	0.0608
2021/09/15	08	18	0.0558	0.0546
2021/09/15	09	17.8	0.0501	0.0473
2021/09/15	10	17.1	0.0461	0.0465
2021/09/15	11	17.3	0.0414	0.0441
2021/09/15	12	18.3	0.0368	0.0430
2021/09/15	13	18.6	0.0356	0.0435
2021/09/15	14	17.7	0.0366	0.0435
2021/09/15	15	18.4	0.0417	0.0529
2021/09/15	16	18.2	0.0458	#N/A
2021/09/15	17	17.8	0.0520	#N/A
2021/09/15	18	16.6	0.0557	#N/A
2021/09/15	19	13.3	0.0546	#N/A
2021/09/15	20	12.4	0.0475	#N/A
2021/09/15	21	13.2	0.0384	#N/A
2021/09/15	22	12.5	0.0324	#N/A
2021/09/15	23	11.9	0.0300	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/16	00	11.3	0.0322	#N/A
2021/09/16	01	10.8	0.0347	#N/A
2021/09/16	02	9.7	0.0391	#N/A
2021/09/16	03	9.7	0.0396	#N/A
2021/09/16	04	10.3	0.0450	#N/A
2021/09/16	05	9	0.0460	#N/A
2021/09/16	06	8.6	0.0506	#N/A
2021/09/16	07	12.7	0.0498	#N/A
2021/09/16	08	14.9	0.0474	#N/A
2021/09/16	09	18.2	0.0408	#N/A
2021/09/16	10	19.8	0.0350	#N/A
2021/09/16	11	21	0.0429	#N/A
2021/09/16	12	20.6	0.0476	#N/A
2021/09/16	13	22.9	0.0539	#N/A
2021/09/16	14	23	0.0469	#N/A
2021/09/16	15	23.3	0.0458	#N/A
2021/09/16	16	22.5	0.0421	#N/A
2021/09/16	17	21.6	0.0445	#N/A
2021/09/16	18	18.5	0.0427	#N/A
2021/09/16	19	16.1	0.0436	#N/A
2021/09/16	20	15.8	0.0412	#N/A
2021/09/16	21	13.8	0.0463	#N/A
2021/09/16	22	13.1	0.0510	#N/A
2021/09/16	23	13.2	0.0514	#N/A
2021/09/17	00	13.2	0.0472	#N/A
2021/09/17	01	12	0.0418	#N/A
2021/09/17	02	11.1	0.0477	#N/A
2021/09/17	03	10.2	0.0517	#N/A
2021/09/17	04	9.7	0.0586	#N/A
2021/09/17	05	9.5	0.0589	#N/A
2021/09/17	06	9.5	0.0575	#N/A
2021/09/17	07	11.6	0.0533	#N/A
2021/09/17	08	15.2	0.0478	#N/A
2021/09/17	09	18.9	0.0457	#N/A
2021/09/17	10	20.5	0.0430	#N/A
2021/09/17	11	22.1	0.0437	#N/A
2021/09/17	12	23.5	0.0383	#N/A
2021/09/17	13	25.7	0.0366	#N/A
2021/09/17	14	26	0.0391	#N/A
2021/09/17	15	24.5	0.0454	#N/A
2021/09/17	16	24.6	0.0520	#N/A
2021/09/17	17	24.7	0.0537	#N/A
2021/09/17	18	22.7	0.0513	#N/A
2021/09/17	19	21.4	0.0460	#N/A
2021/09/17	20	20.7	0.0400	#N/A
2021/09/17	21	20.3	0.0351	#N/A
2021/09/17	22	20	0.0295	#N/A
2021/09/17	23	19.7	0.0243	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/18	00	19.6	0.0202	#N/A
2021/09/18	01	19.2	0.0184	#N/A
2021/09/18	02	19.1	0.0187	#N/A
2021/09/18	03	18.4	0.0194	#N/A
2021/09/18	04	18.5	0.0249	#N/A
2021/09/18	05	17.6	0.0354	#N/A
2021/09/18	06	17.8	0.0514	#N/A
2021/09/18	07	16.7	0.0630	#N/A
2021/09/18	08	17.8	0.0667	#N/A
2021/09/18	09	18.1	0.0615	#N/A
2021/09/18	10	18.9	0.0557	#N/A
2021/09/18	11	20.4	0.0511	#N/A
2021/09/18	12	21.6	0.0476	#N/A
2021/09/18	13	22.2	0.0439	#N/A
2021/09/18	14	22.1	0.0406	#N/A
2021/09/18	15	21.5	0.0428	#N/A
2021/09/18	16	20.9	0.0482	#N/A
2021/09/18	17	20.1	0.0530	#N/A
2021/09/18	18	18.4	0.0536	#N/A
2021/09/18	19	16.9	0.0483	#N/A
2021/09/18	20	15.8	0.0432	#N/A
2021/09/18	21	15.1	0.0378	#N/A
2021/09/18	22	14.2	0.0353	#N/A
2021/09/18	23	13.2	0.0326	#N/A
2021/09/19	00	13.1	0.0320	#N/A
2021/09/19	01	12.5	0.0321	#N/A
2021/09/19	02	11.5	0.0362	#N/A
2021/09/19	03	10.6	0.0428	#N/A
2021/09/19	04	10.8	0.0551	#N/A
2021/09/19	05	10.2	0.0717	#N/A
2021/09/19	06	9.8	0.0894	#N/A
2021/09/19	07	11.5	0.0996	#N/A
2021/09/19	08	13.4	0.0955	#N/A
2021/09/19	09	15.3	0.0843	#N/A
2021/09/19	10	16.6	0.0728	#N/A
2021/09/19	11	16.9	0.0653	#N/A
2021/09/19	12	18.3	0.0593	#N/A
2021/09/19	13	19.2	0.0548	#N/A
2021/09/19	14	19.9	0.0561	#N/A
2021/09/19	15	20	0.0621	#N/A
2021/09/19	16	20.3	0.0708	#N/A
2021/09/19	17	19.5	0.0763	#N/A
2021/09/19	18	17.7	0.0742	#N/A
2021/09/19	19	13.8	0.0660	#N/A
2021/09/19	20	12.6	0.0545	#N/A
2021/09/19	21	11.1	0.0451	#N/A
2021/09/19	22	11.6	0.0395	#N/A
2021/09/19	23	11.3	0.0362	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/20	00	9.9	0.0358	#N/A
2021/09/20	01	10.5	0.0362	#N/A
2021/09/20	02	8.2	0.0413	#N/A
2021/09/20	03	8	0.0538	#N/A
2021/09/20	04	7.1	0.0742	#N/A
2021/09/20	05	6	0.0980	#N/A
2021/09/20	06	6.3	0.1089	#N/A
2021/09/20	07	9.7	0.1009	#N/A
2021/09/20	08	11.8	0.0798	#N/A
2021/09/20	09	14.7	0.0616	#N/A
2021/09/20	10	17.2	0.0533	#N/A
2021/09/20	11	19.8	0.0486	#N/A
2021/09/20	12	21.7	0.0443	#N/A
2021/09/20	13	22.5	0.0394	#N/A
2021/09/20	14	23.6	0.0402	#N/A
2021/09/20	15	24	0.0456	#N/A
2021/09/20	16	22.9	0.0544	#N/A
2021/09/20	17	21.1	0.0616	#N/A
2021/09/20	18	16.7	0.0628	#N/A
2021/09/20	19	17.2	0.0590	#N/A
2021/09/20	20	15.6	0.0491	#N/A
2021/09/20	21	15.7	0.0394	#N/A
2021/09/20	22	16.1	0.0347	#N/A
2021/09/20	23	16.2	0.0405	#N/A
2021/09/21	00	16.1	0.0490	#N/A
2021/09/21	01	16	0.0512	#N/A
2021/09/21	02	15.2	0.0420	#N/A
2021/09/21	03	14.9	0.0321	#N/A
2021/09/21	04	14	0.0320	#N/A
2021/09/21	05	13.3	0.0415	#N/A
2021/09/21	06	14.1	0.0479	#N/A
2021/09/21	07	16.5	0.0451	#N/A
2021/09/21	08	17.9	0.0365	#N/A
2021/09/21	09	18.9	0.0343	#N/A
2021/09/21	10	20.8	0.0364	#N/A
2021/09/21	11	21.6	0.0368	#N/A
2021/09/21	12	23.1	0.0318	#N/A
2021/09/21	13	21.5	0.0311	#N/A
2021/09/21	14	19.9	0.0414	#N/A
2021/09/21	15	20.5	0.0512	#N/A
2021/09/21	16	21.2	0.0489	#N/A
2021/09/21	17	20.4	0.0364	#N/A
2021/09/21	18	19.1	0.0264	#N/A
2021/09/21	19	18.5	0.0279	#N/A
2021/09/21	20	18.4	0.0339	#N/A
2021/09/21	21	17.8	0.0408	#N/A
2021/09/21	22	18	0.0381	#N/A
2021/09/21	23	18.5	0.0349	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/22	00	18.4	0.0361	#N/A
2021/09/22	01	18.3	0.0430	#N/A
2021/09/22	02	17.3	0.0459	#N/A
2021/09/22	03	17.4	0.0447	#N/A
2021/09/22	04	16.9	0.0482	#N/A
2021/09/22	05	16.8	0.0566	#N/A
2021/09/22	06	16.8	0.0612	#N/A
2021/09/22	07	17.3	0.0599	#N/A
2021/09/22	08	17.5	0.0572	#N/A
2021/09/22	09	18.5	0.0559	#N/A
2021/09/22	10	19	0.0555	#N/A
2021/09/22	11	18.9	0.0561	#N/A
2021/09/22	12	19.3	0.0587	#N/A
2021/09/22	13	19.4	0.0646	#N/A
2021/09/22	14	19.4	0.0735	#N/A
2021/09/22	15	19.7	0.0862	#N/A
2021/09/22	16	20	0.0936	#N/A
2021/09/22	17	19.8	0.0908	#N/A
2021/09/22	18	19.7	0.0816	#N/A
2021/09/22	19	20	0.0698	#N/A
2021/09/22	20	17	0.0622	#N/A
2021/09/22	21	15.4	0.0544	#N/A
2021/09/22	22	15.1	0.0500	#N/A
2021/09/22	23	16.1	0.0483	#N/A
2021/09/23	00	16.2	0.0476	#N/A
2021/09/23	01	17.1	0.0480	#N/A
2021/09/23	02	18.3	0.0527	#N/A
2021/09/23	03	18.7	0.0693	#N/A
2021/09/23	04	19.1	0.0920	#N/A
2021/09/23	05	19.3	0.1078	#N/A
2021/09/23	06	19.3	0.1103	#N/A
2021/09/23	07	19.2	0.1041	#N/A
2021/09/23	08	19.9	0.0958	#N/A
2021/09/23	09	20.6	0.0886	#N/A
2021/09/23	10	21.7	0.0839	#N/A
2021/09/23	11	20.9	0.0791	#N/A
2021/09/23	12	20.8	0.0741	#N/A
2021/09/23	13	20.8	0.0723	#N/A
2021/09/23	14	21	0.0747	#N/A
2021/09/23	15	21.1	0.0797	#N/A
2021/09/23	16	21.1	0.0783	#N/A
2021/09/23	17	21.1	0.0734	#N/A
2021/09/23	18	20.5	0.0652	#N/A
2021/09/23	19	20.5	0.0552	#N/A
2021/09/23	20	17.5	0.0457	#N/A
2021/09/23	21	16.9	0.0368	#N/A
2021/09/23	22	16.3	0.0328	#N/A
2021/09/23	23	16.4	0.0318	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/24	00	16	0.0319	#N/A
2021/09/24	01	15.5	0.0334	#N/A
2021/09/24	02	15.2	0.0382	#N/A
2021/09/24	03	15	0.0536	#N/A
2021/09/24	04	14.6	0.0714	#N/A
2021/09/24	05	12.7	0.0830	#N/A
2021/09/24	06	12.4	0.0837	#N/A
2021/09/24	07	12.2	0.0784	#N/A
2021/09/24	08	14.1	0.0720	#N/A
2021/09/24	09	15.3	0.0685	#N/A
2021/09/24	10	16.3	0.0624	#N/A
2021/09/24	11	16.8	0.0575	#N/A
2021/09/24	12	16.6	0.0507	#N/A
2021/09/24	13	17.1	0.0511	#N/A
2021/09/24	14	16.6	0.0553	#N/A
2021/09/24	15	16.1	0.0645	#N/A
2021/09/24	16	16.4	0.0710	#N/A
2021/09/24	17	15.9	0.0721	#N/A
2021/09/24	18	15.2	0.0670	#N/A
2021/09/24	19	14.9	0.0606	#N/A
2021/09/24	20	13.7	0.0554	#N/A
2021/09/24	21	12.9	0.0513	#N/A
2021/09/24	22	12.6	0.0499	#N/A
2021/09/24	23	11.9	0.0520	#N/A
2021/09/25	00	10.9	0.0549	#N/A
2021/09/25	01	10.4	0.0560	#N/A
2021/09/25	02	10.4	0.0605	#N/A
2021/09/25	03	9.3	0.0639	#N/A
2021/09/25	04	8	0.0695	#N/A
2021/09/25	05	7.8	0.0735	#N/A
2021/09/25	06	8.3	0.0829	#N/A
2021/09/25	07	9.5	0.0859	#N/A
2021/09/25	08	11.9	0.0758	#N/A
2021/09/25	09	15.1	0.0604	#N/A
2021/09/25	10	17.8	0.0611	#N/A
2021/09/25	11	18.8	0.0865	#N/A
2021/09/25	12	19.6	0.1060	#N/A
2021/09/25	13	21.1	0.0996	#N/A
2021/09/25	14	21.6	0.0737	#N/A
2021/09/25	15	21.6	0.0562	#N/A
2021/09/25	16	21.4	0.0612	#N/A
2021/09/25	17	19.4	0.0721	#N/A
2021/09/25	18	17	0.0781	#N/A
2021/09/25	19	15.6	0.0718	#N/A
2021/09/25	20	16.6	0.0661	#N/A
2021/09/25	21	16.3	0.0712	#N/A
2021/09/25	22	15.8	0.0795	#N/A
2021/09/25	23	15.6	0.0774	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/26	00	14.7	0.0673	#N/A
2021/09/26	01	13.8	0.0677	#N/A
2021/09/26	02	12.9	0.0927	#N/A
2021/09/26	03	12.2	0.1145	#N/A
2021/09/26	04	11.5	0.1129	#N/A
2021/09/26	05	10.6	0.0940	#N/A
2021/09/26	06	9.9	0.0805	#N/A
2021/09/26	07	10.6	0.0844	#N/A
2021/09/26	08	12.5	0.0910	#N/A
2021/09/26	09	14.5	0.0920	#N/A
2021/09/26	10	16.3	0.0891	#N/A
2021/09/26	11	16.4	0.0806	#N/A
2021/09/26	12	18.8	0.0759	#N/A
2021/09/26	13	18.6	0.0709	#N/A
2021/09/26	14	16.4	0.0757	#N/A
2021/09/26	15	18.1	0.0846	#N/A
2021/09/26	16	15.4	0.0944	#N/A
2021/09/26	17	15.5	0.0943	#N/A
2021/09/26	18	13.1	0.0838	#N/A
2021/09/26	19	12.8	0.0701	#N/A
2021/09/26	20	12.9	0.0592	#N/A
2021/09/26	21	11.7	0.0530	#N/A
2021/09/26	22	10.9	0.0495	#N/A
2021/09/26	23	10.4	0.0492	#N/A
2021/09/27	00	9.9	0.0519	#N/A
2021/09/27	01	10.6	0.0568	#N/A
2021/09/27	02	10.4	0.0691	#N/A
2021/09/27	03	10.3	0.0913	#N/A
2021/09/27	04	9.7	0.1181	#N/A
2021/09/27	05	9.6	0.1310	#N/A
2021/09/27	06	9.9	0.1263	#N/A
2021/09/27	07	11.7	0.1110	#N/A
2021/09/27	08	12.5	0.0960	#N/A
2021/09/27	09	13.3	0.0841	#N/A
2021/09/27	10	14	0.0714	#N/A
2021/09/27	11	14.2	0.0613	#N/A
2021/09/27	12	14.4	0.0505	#N/A
2021/09/27	13	15.3	0.0481	#N/A
2021/09/27	14	16.1	0.0544	#N/A
2021/09/27	15	15.8	0.0683	#N/A
2021/09/27	16	15.8	0.0801	#N/A
2021/09/27	17	15.4	0.0824	#N/A
2021/09/27	18	14.9	0.0779	#N/A
2021/09/27	19	14	0.0685	#N/A
2021/09/27	20	12.9	0.0614	#N/A
2021/09/27	21	11.6	0.0558	#N/A
2021/09/27	22	12.8	0.0562	#N/A
2021/09/27	23	11.4	0.0586	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/28	00	10.5	0.0648	#N/A
2021/09/28	01	9.1	0.0709	#N/A
2021/09/28	02	8.9	0.0855	#N/A
2021/09/28	03	7.4	0.1131	#N/A
2021/09/28	04	5.9	0.1449	#N/A
2021/09/28	05	5.7	0.1600	#N/A
2021/09/28	06	5.6	0.1467	#N/A
2021/09/28	07	7.1	0.1194	#N/A
2021/09/28	08	9.7	0.0970	#N/A
2021/09/28	09	11	0.0814	#N/A
2021/09/28	10	11.7	0.0685	#N/A
2021/09/28	11	11.5	0.0553	#N/A
2021/09/28	12	13.5	0.0481	#N/A
2021/09/28	13	13.5	0.0492	#N/A
2021/09/28	14	14.9	0.0603	#N/A
2021/09/28	15	15.9	0.0749	#N/A
2021/09/28	16	15.3	0.0880	#N/A
2021/09/28	17	13.9	0.0891	#N/A
2021/09/28	18	12.7	0.0848	#N/A
2021/09/28	19	12.7	0.0750	#N/A
2021/09/28	20	11.3	0.0683	#N/A
2021/09/28	21	9.4	0.0632	#N/A
2021/09/28	22	9.2	0.0630	#N/A
2021/09/28	23	8.1	0.0666	#N/A
2021/09/29	00	8.1	0.0707	#N/A
2021/09/29	01	8.7	0.0767	#N/A
2021/09/29	02	8.8	0.0903	#N/A
2021/09/29	03	6.8	0.1176	#N/A
2021/09/29	04	8.4	0.1343	#N/A
2021/09/29	05	7.7	0.1218	#N/A
2021/09/29	06	7.8	0.0962	#N/A
2021/09/29	07	8.2	0.0942	#N/A
2021/09/29	08	10.2	0.1185	#N/A
2021/09/29	09	10.8	0.1307	#N/A
2021/09/29	10	11.9	0.1164	#N/A
2021/09/29	11	12.5	0.0897	#N/A
2021/09/29	12	13.3	0.0757	#N/A
2021/09/29	13	12.8	0.0810	#N/A
2021/09/29	14	12.8	0.0919	#N/A
2021/09/29	15	13.3	0.0973	#N/A
2021/09/29	16	13.4	0.0933	#N/A
2021/09/29	17	13.1	0.1053	#N/A
2021/09/29	18	11.3	0.1293	#N/A
2021/09/29	19	10.4	0.1353	#N/A
2021/09/29	20	10.5	0.1125	#N/A
2021/09/29	21	11.3	0.0884	#N/A
2021/09/29	22	10.8	0.0945	#N/A
2021/09/29	23	10.5	0.1090	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/09/30	00	10	0.1138	#N/A
2021/09/30	01	9.9	0.1024	#N/A
2021/09/30	02	8.9	0.1018	#N/A
2021/09/30	03	8.1	0.1054	#N/A
2021/09/30	04	7	0.1099	#N/A
2021/09/30	05	7.1	0.0989	#N/A
2021/09/30	06	7.2	0.0867	#N/A
2021/09/30	07	8.8	0.0820	#N/A
2021/09/30	08	10.3	0.0868	#N/A
2021/09/30	09	11.8	0.0890	#N/A
2021/09/30	10	13.2	0.0838	#N/A
2021/09/30	11	14.3	0.0737	0.0591
2021/09/30	12	15.3	0.0676	0.0568
2021/09/30	13	16.2	0.0679	0.0567
2021/09/30	14	15.2	0.0798	0.0635
2021/09/30	15	15.1	0.0951	0.0767
2021/09/30	16	15.7	0.1035	0.0874
2021/09/30	17	14.5	0.1038	0.0978
2021/09/30	18	11.1	0.0984	0.0976
2021/09/30	19	10.3	0.0933	0.0926
2021/09/30	20	10.1	0.0898	0.0818
2021/09/30	21	10.3	0.0881	0.0748
2021/09/30	22	7	0.0910	0.0722
2021/09/30	23	8.9	0.0977	0.0745
2021/10/01	00	7.3	0.1046	0.0799
2021/10/01	01	7.2	0.1219	0.0873
2021/10/01	02	6	0.1553	0.0979
2021/10/01	03	5.1	0.1971	0.1173
2021/10/01	04	5.7	0.2170	0.1469
2021/10/01	05	5.4	0.1972	0.1799
2021/10/01	06	7	0.1572	0.1884
2021/10/01	07	7.2	0.1207	0.1649
2021/10/01	08	8.4	0.1011	0.1253
2021/10/01	09	8.1	0.0889	0.0917
2021/10/01	10	11.1	0.0777	0.0793
2021/10/01	11	14.3	0.0685	#N/A
2021/10/01	12	15.4	0.0639	#N/A
2021/10/01	13	15.6	0.0724	#N/A
2021/10/01	14	16.1	0.0833	#N/A
2021/10/01	15	15.9	0.0941	#N/A
2021/10/01	16	14.9	0.0924	#N/A
2021/10/01	17	14.9	0.0869	#N/A
2021/10/01	18	14.1	0.0781	#N/A
2021/10/01	19	10.3	0.0723	#N/A
2021/10/01	20	11.2	0.0650	#N/A
2021/10/01	21	11.4	0.0595	#N/A
2021/10/01	22	11	0.0580	#N/A
2021/10/01	23	10.6	0.0581	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/02	00	10.6	0.0595	#N/A
2021/10/02	01	10.8	0.0620	#N/A
2021/10/02	02	11	0.0741	#N/A
2021/10/02	03	11.2	0.0952	#N/A
2021/10/02	04	11.5	0.1188	#N/A
2021/10/02	05	12	0.1300	#N/A
2021/10/02	06	11.8	0.1254	#N/A
2021/10/02	07	12.3	0.1153	#N/A
2021/10/02	08	13.6	0.1030	#N/A
2021/10/02	09	13.9	0.0932	#N/A
2021/10/02	10	14.3	0.0811	#N/A
2021/10/02	11	15.2	0.0732	#N/A
2021/10/02	12	12.6	0.0711	#N/A
2021/10/02	13	12.7	0.0744	#N/A
2021/10/02	14	12.7	0.0786	#N/A
2021/10/02	15	12.4	0.0791	#N/A
2021/10/02	16	12	0.0742	#N/A
2021/10/02	17	11.8	0.0692	#N/A
2021/10/02	18	11.5	0.0625	#N/A
2021/10/02	19	11.5	0.0563	#N/A
2021/10/02	20	11.3	0.0499	#N/A
2021/10/02	21	11.2	0.0465	#N/A
2021/10/02	22	11.2	0.0452	#N/A
2021/10/02	23	11.1	0.0449	#N/A
2021/10/03	00	11	0.0462	#N/A
2021/10/03	01	11	0.0486	#N/A
2021/10/03	02	11	0.0599	#N/A
2021/10/03	03	11	0.0797	#N/A
2021/10/03	04	10.9	0.0983	#N/A
2021/10/03	05	10.9	0.1086	#N/A
2021/10/03	06	10.8	0.1069	#N/A
2021/10/03	07	10.6	0.0989	#N/A
2021/10/03	08	10.4	0.0850	#N/A
2021/10/03	09	10.3	0.0747	#N/A
2021/10/03	10	10.3	0.0789	#N/A
2021/10/03	11	10.5	0.0889	#N/A
2021/10/03	12	10.6	0.0966	#N/A
2021/10/03	13	11.2	0.0917	#N/A
2021/10/03	14	11.3	0.0987	#N/A
2021/10/03	15	12.3	0.1090	#N/A
2021/10/03	16	12.1	0.1152	#N/A
2021/10/03	17	12	0.1059	#N/A
2021/10/03	18	11.8	0.0961	#N/A
2021/10/03	19	12	0.0996	#N/A
2021/10/03	20	12.1	0.0990	#N/A
2021/10/03	21	12.2	0.0941	#N/A
2021/10/03	22	12.4	0.0830	#N/A
2021/10/03	23	12.3	0.0875	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/04	00	11.8	0.0895	#N/A
2021/10/04	01	11	0.0867	#N/A
2021/10/04	02	10.3	0.0736	#N/A
2021/10/04	03	9.7	0.0638	#N/A
2021/10/04	04	9.2	0.0635	#N/A
2021/10/04	05	9.2	0.0659	#N/A
2021/10/04	06	8.3	0.0669	#N/A
2021/10/04	07	8.1	0.0608	#N/A
2021/10/04	08	9.4	0.0540	#N/A
2021/10/04	09	11.3	0.0519	#N/A
2021/10/04	10	12.6	0.0553	#N/A
2021/10/04	11	15.2	0.0554	#N/A
2021/10/04	12	14.9	0.0535	#N/A
2021/10/04	13	15.1	0.0520	#N/A
2021/10/04	14	16	0.0612	#N/A
2021/10/04	15	16.6	0.0719	#N/A
2021/10/04	16	16.1	0.0751	#N/A
2021/10/04	17	15.4	0.0686	#N/A
2021/10/04	18	14.4	0.0576	#N/A
2021/10/04	19	14.3	0.0485	#N/A
2021/10/04	20	14.2	0.0421	#N/A
2021/10/04	21	14.1	0.0385	#N/A
2021/10/04	22	14.3	0.0378	#N/A
2021/10/04	23	14	0.0400	#N/A
2021/10/05	00	13.7	0.0437	#N/A
2021/10/05	01	13.5	0.0563	#N/A
2021/10/05	02	13.3	0.0758	#N/A
2021/10/05	03	13	0.1041	#N/A
2021/10/05	04	12	0.1205	#N/A
2021/10/05	05	10.6	0.1165	#N/A
2021/10/05	06	10.9	0.0945	#N/A
2021/10/05	07	12	0.0709	#N/A
2021/10/05	08	12.9	0.0555	#N/A
2021/10/05	09	14.2	0.0466	#N/A
2021/10/05	10	16.2	0.0421	#N/A
2021/10/05	11	17.8	0.0393	#N/A
2021/10/05	12	18.9	0.0422	#N/A
2021/10/05	13	19.2	0.0496	#N/A
2021/10/05	14	18.9	0.0608	#N/A
2021/10/05	15	18.9	0.0710	#N/A
2021/10/05	16	19.1	0.0716	#N/A
2021/10/05	17	17.3	0.0688	#N/A
2021/10/05	18	14	0.0588	#N/A
2021/10/05	19	13.2	0.0510	#N/A
2021/10/05	20	11.9	0.0419	#N/A
2021/10/05	21	13.1	0.0390	#N/A
2021/10/05	22	10.7	0.0409	#N/A
2021/10/05	23	11.6	0.0443	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/06	00	10.2	0.0478	#N/A
2021/10/06	01	9.1	0.0579	#N/A
2021/10/06	02	8.2	0.0795	#N/A
2021/10/06	03	7.5	0.1071	#N/A
2021/10/06	04	7.8	0.1252	#N/A
2021/10/06	05	7.1	0.1222	#N/A
2021/10/06	06	6.8	0.1063	#N/A
2021/10/06	07	7.1	0.0842	#N/A
2021/10/06	08	10.5	0.0694	#N/A
2021/10/06	09	12.7	0.0563	#N/A
2021/10/06	10	16.2	0.0490	#N/A
2021/10/06	11	18.4	0.0424	#N/A
2021/10/06	12	20.2	0.0430	#N/A
2021/10/06	13	20.4	0.0501	#N/A
2021/10/06	14	20.9	0.0598	#N/A
2021/10/06	15	21.1	0.0688	#N/A
2021/10/06	16	20.9	0.0706	#N/A
2021/10/06	17	19	0.0685	#N/A
2021/10/06	18	15.4	0.0609	#N/A
2021/10/06	19	13.6	0.0529	#N/A
2021/10/06	20	13.3	0.0460	#N/A
2021/10/06	21	11.7	0.0431	#N/A
2021/10/06	22	11.8	0.0444	#N/A
2021/10/06	23	10.1	0.0479	#N/A
2021/10/07	00	10.3	0.0527	#N/A
2021/10/07	01	8.9	0.0630	#N/A
2021/10/07	02	8.2	0.0861	#N/A
2021/10/07	03	7.6	0.1138	#N/A
2021/10/07	04	8.6	0.1302	#N/A
2021/10/07	05	8	0.1226	#N/A
2021/10/07	06	7.7	0.1000	#N/A
2021/10/07	07	9.4	0.0781	#N/A
2021/10/07	08	11.4	0.0623	#N/A
2021/10/07	09	12.6	0.0523	#N/A
2021/10/07	10	14.4	0.0451	#N/A
2021/10/07	11	16.7	0.0424	#N/A
2021/10/07	12	18.4	0.0427	#N/A
2021/10/07	13	19.5	0.0480	#N/A
2021/10/07	14	19	0.0530	#N/A
2021/10/07	15	19.8	0.0718	#N/A
2021/10/07	16	18.1	0.0821	#N/A
2021/10/07	17	17.6	0.0868	#N/A
2021/10/07	18	15.9	0.0788	#N/A
2021/10/07	19	14.2	0.0805	#N/A
2021/10/07	20	13.2	0.0889	#N/A
2021/10/07	21	12.1	0.0882	#N/A
2021/10/07	22	11.2	0.0794	#N/A
2021/10/07	23	10	0.0674	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/08	00	10.3	0.0620	#N/A
2021/10/08	01	8.9	0.0608	#N/A
2021/10/08	02	9.6	0.0612	#N/A
2021/10/08	03	8.2	0.0591	#N/A
2021/10/08	04	7.8	0.0547	#N/A
2021/10/08	05	6.4	0.0487	#N/A
2021/10/08	06	7	0.0471	#N/A
2021/10/08	07	7.6	0.0490	#N/A
2021/10/08	08	11.5	0.0527	#N/A
2021/10/08	09	15.2	0.0582	#N/A
2021/10/08	10	17.7	0.0604	#N/A
2021/10/08	11	19.3	0.0608	#N/A
2021/10/08	12	21.2	0.0612	#N/A
2021/10/08	13	22	0.0662	#N/A
2021/10/08	14	22.6	0.0716	#N/A
2021/10/08	15	22.4	0.0720	#N/A
2021/10/08	16	21.9	0.0697	#N/A
2021/10/08	17	19.7	0.0860	#N/A
2021/10/08	18	16.4	0.1100	#N/A
2021/10/08	19	16.3	0.1171	#N/A
2021/10/08	20	15.6	0.0951	#N/A
2021/10/08	21	15.4	0.0639	#N/A
2021/10/08	22	14.6	0.0485	#N/A
2021/10/08	23	14.1	0.0450	#N/A
2021/10/09	00	13.3	0.0453	#N/A
2021/10/09	01	12.8	0.0480	#N/A
2021/10/09	02	12.3	0.0536	#N/A
2021/10/09	03	11.8	0.0618	#N/A
2021/10/09	04	11.2	0.0772	#N/A
2021/10/09	05	10.7	0.1005	#N/A
2021/10/09	06	10.2	0.1264	#N/A
2021/10/09	07	10.6	0.1359	#N/A
2021/10/09	08	11.9	0.1310	#N/A
2021/10/09	09	13.4	0.1169	#N/A
2021/10/09	10	15.7	0.1060	#N/A
2021/10/09	11	18.1	0.0942	#N/A
2021/10/09	12	18	0.0826	#N/A
2021/10/09	13	18.9	0.0738	#N/A
2021/10/09	14	19.3	0.0704	#N/A
2021/10/09	15	19.7	0.0727	#N/A
2021/10/09	16	19.7	0.0758	#N/A
2021/10/09	17	18.5	0.0767	#N/A
2021/10/09	18	17.3	0.0737	#N/A
2021/10/09	19	16.8	0.0673	#N/A
2021/10/09	20	16	0.0590	#N/A
2021/10/09	21	15.9	0.0507	#N/A
2021/10/09	22	15	0.0441	#N/A
2021/10/09	23	14	0.0398	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/10	00	13.9	0.0365	#N/A
2021/10/10	01	13.4	0.0357	#N/A
2021/10/10	02	12.6	0.0362	#N/A
2021/10/10	03	12.5	0.0390	#N/A
2021/10/10	04	12.6	0.0463	#N/A
2021/10/10	05	12.6	0.0598	#N/A
2021/10/10	06	12.5	0.0772	#N/A
2021/10/10	07	12.8	0.0916	#N/A
2021/10/10	08	13.2	0.0992	#N/A
2021/10/10	09	14	0.1007	#N/A
2021/10/10	10	14.2	0.0955	#N/A
2021/10/10	11	16.2	0.0890	#N/A
2021/10/10	12	17	0.0790	#N/A
2021/10/10	13	17.3	0.0762	#N/A
2021/10/10	14	18.1	0.0729	#N/A
2021/10/10	15	18.8	0.0739	#N/A
2021/10/10	16	19.1	0.0735	#N/A
2021/10/10	17	17.9	0.0730	#N/A
2021/10/10	18	16.9	0.0697	#N/A
2021/10/10	19	17.1	0.0633	#N/A
2021/10/10	20	17	0.0562	#N/A
2021/10/10	21	16.8	0.0504	#N/A
2021/10/10	22	16.6	0.0437	#N/A
2021/10/10	23	15.6	0.0388	#N/A
2021/10/11	00	15.3	0.0356	#N/A
2021/10/11	01	14.4	0.0347	#N/A
2021/10/11	02	14.7	0.0347	#N/A
2021/10/11	03	15.7	0.0377	#N/A
2021/10/11	04	15.5	0.0447	#N/A
2021/10/11	05	14	0.0559	#N/A
2021/10/11	06	14.6	0.0688	#N/A
2021/10/11	07	15.1	0.0815	#N/A
2021/10/11	08	16.6	0.0886	#N/A
2021/10/11	09	17.2	0.0884	#N/A
2021/10/11	10	17.9	0.0823	#N/A
2021/10/11	11	17.8	0.0744	#N/A
2021/10/11	12	19.7	0.0652	#N/A
2021/10/11	13	21.5	0.0585	#N/A
2021/10/11	14	22.6	0.0556	#N/A
2021/10/11	15	22.4	0.0574	#N/A
2021/10/11	16	22.7	0.0632	#N/A
2021/10/11	17	20.1	0.0725	#N/A
2021/10/11	18	18.2	0.0745	#N/A
2021/10/11	19	18.6	0.0667	#N/A
2021/10/11	20	16.6	0.0535	#N/A
2021/10/11	21	16.2	0.0448	#N/A
2021/10/11	22	15.7	0.0448	#N/A
2021/10/11	23	14.5	0.0443	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/12	00	15	0.0426	#N/A
2021/10/12	01	14.4	0.0377	#N/A
2021/10/12	02	14.3	0.0385	#N/A
2021/10/12	03	14.3	0.0465	#N/A
2021/10/12	04	13.9	0.0501	#N/A
2021/10/12	05	12.4	0.0444	#N/A
2021/10/12	06	11.9	0.0346	#N/A
2021/10/12	07	12.6	0.0362	#N/A
2021/10/12	08	13.4	0.0491	#N/A
2021/10/12	09	16.3	0.0584	#N/A
2021/10/12	10	18.8	0.0551	#N/A
2021/10/12	11	20.1	0.0436	#N/A
2021/10/12	12	21.6	0.0390	#N/A
2021/10/12	13	23	0.0441	#N/A
2021/10/12	14	23.9	0.0472	#N/A
2021/10/12	15	24.3	0.0444	#N/A
2021/10/12	16	23.7	0.0423	#N/A
2021/10/12	17	21.2	0.0554	#N/A
2021/10/12	18	18.3	0.0671	#N/A
2021/10/12	19	19.1	0.0649	#N/A
2021/10/12	20	16.9	0.0450	#N/A
2021/10/12	21	14.6	0.0294	#N/A
2021/10/12	22	13.7	0.0294	#N/A
2021/10/12	23	14.4	0.0410	#N/A
2021/10/13	00	13.2	0.0510	#N/A
2021/10/13	01	13.3	0.0474	#N/A
2021/10/13	02	16.1	0.0357	#N/A
2021/10/13	03	15.5	0.0302	#N/A
2021/10/13	04	15	0.0372	#N/A
2021/10/13	05	14.7	0.0516	#N/A
2021/10/13	06	14.3	0.0620	#N/A
2021/10/13	07	14.7	0.0632	#N/A
2021/10/13	08	15.3	0.0581	#N/A
2021/10/13	09	16.3	0.0513	#N/A
2021/10/13	10	17.1	0.0485	#N/A
2021/10/13	11	18.2	0.0468	#N/A
2021/10/13	12	20	0.0441	#N/A
2021/10/13	13	20.4	0.0413	#N/A
2021/10/13	14	21	0.0420	#N/A
2021/10/13	15	21.1	0.0505	#N/A
2021/10/13	16	19.7	0.0596	#N/A
2021/10/13	17	18.8	0.0684	#N/A
2021/10/13	18	18.4	0.0675	#N/A
2021/10/13	19	18.2	0.0627	#N/A
2021/10/13	20	17.6	0.0525	#N/A
2021/10/13	21	17	0.0441	#N/A
2021/10/13	22	16.7	0.0355	#N/A
2021/10/13	23	16.1	0.0286	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/14	00	15.7	0.0244	#N/A
2021/10/14	01	14.8	0.0235	#N/A
2021/10/14	02	15.1	0.0248	#N/A
2021/10/14	03	15.1	0.0296	#N/A
2021/10/14	04	15.2	0.0429	#N/A
2021/10/14	05	15.6	0.0585	#N/A
2021/10/14	06	15.3	0.0694	#N/A
2021/10/14	07	15.4	0.0674	#N/A
2021/10/14	08	15.6	0.0611	#N/A
2021/10/14	09	16.1	0.0535	#N/A
2021/10/14	10	16.6	0.0507	#N/A
2021/10/14	11	17.6	0.0460	#N/A
2021/10/14	12	18.8	0.0418	#N/A
2021/10/14	13	19.9	0.0377	#N/A
2021/10/14	14	20.4	0.0414	#N/A
2021/10/14	15	21.2	0.0498	#N/A
2021/10/14	16	20.8	0.0598	#N/A
2021/10/14	17	18.8	0.0636	#N/A
2021/10/14	18	18.9	0.0599	#N/A
2021/10/14	19	16.7	0.0555	#N/A
2021/10/14	20	17.4	0.0482	#N/A
2021/10/14	21	16.8	0.0432	#N/A
2021/10/14	22	16.5	0.0334	#N/A
2021/10/14	23	16.5	0.0269	#N/A
2021/10/15	00	15.9	0.0226	#N/A
2021/10/15	01	16	0.0211	#N/A
2021/10/15	02	16.4	0.0213	#N/A
2021/10/15	03	16.1	0.0246	#N/A
2021/10/15	04	16.1	0.0330	#N/A
2021/10/15	05	16.1	0.0499	#N/A
2021/10/15	06	15.7	0.0639	#N/A
2021/10/15	07	15.7	0.0701	#N/A
2021/10/15	08	15.8	0.0647	#N/A
2021/10/15	09	16.7	0.0585	#N/A
2021/10/15	10	17.2	0.0536	#N/A
2021/10/15	11	18	0.0491	#N/A
2021/10/15	12	18.7	0.0438	#N/A
2021/10/15	13	19	0.0399	#N/A
2021/10/15	14	19.6	0.0412	#N/A
2021/10/15	15	20.6	0.0451	#N/A
2021/10/15	16	19.9	0.0524	#N/A
2021/10/15	17	19	0.0579	#N/A
2021/10/15	18	18.4	0.0588	#N/A
2021/10/15	19	17.9	0.0542	#N/A
2021/10/15	20	17.7	0.0469	#N/A
2021/10/15	21	17.4	0.0414	#N/A
2021/10/15	22	17.2	0.0438	#N/A
2021/10/15	23	16.9	0.0602	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/16	00	16.8	0.0765	#N/A
2021/10/16	01	16.6	0.0764	#N/A
2021/10/16	02	16.5	0.0554	#N/A
2021/10/16	03	16.7	0.0364	#N/A
2021/10/16	04	17.1	0.0385	#N/A
2021/10/16	05	17.5	0.0544	#N/A
2021/10/16	06	17.7	0.0704	#N/A
2021/10/16	07	18.3	0.0684	#N/A
2021/10/16	08	18.6	0.0538	#N/A
2021/10/16	09	18.1	0.0407	#N/A
2021/10/16	10	18	0.0429	#N/A
2021/10/16	11	16.7	0.0560	#N/A
2021/10/16	12	16.3	0.0658	#N/A
2021/10/16	13	15.5	0.0648	#N/A
2021/10/16	14	15.4	0.0609	#N/A
2021/10/16	15	15.7	0.0648	#N/A
2021/10/16	16	15.3	0.0717	#N/A
2021/10/16	17	13.2	0.0761	#N/A
2021/10/16	18	12.1	0.0744	#N/A
2021/10/16	19	11.8	0.0749	#N/A
2021/10/16	20	10.9	0.0794	#N/A
2021/10/16	21	10.4	0.0817	#N/A
2021/10/16	22	10.2	0.0792	#N/A
2021/10/16	23	9.6	0.0808	#N/A
2021/10/17	00	7.8	0.0933	#N/A
2021/10/17	01	6.7	0.1052	#N/A
2021/10/17	02	6	0.0987	#N/A
2021/10/17	03	6	0.0874	#N/A
2021/10/17	04	5.8	0.0963	#N/A
2021/10/17	05	5.1	0.1309	#N/A
2021/10/17	06	4.8	0.1614	#N/A
2021/10/17	07	5.3	0.1697	#N/A
2021/10/17	08	8.3	0.1656	#N/A
2021/10/17	09	9.1	0.1561	#N/A
2021/10/17	10	9.6	0.1466	#N/A
2021/10/17	11	10.8	0.1352	#N/A
2021/10/17	12	11	0.1299	#N/A
2021/10/17	13	12.1	0.1320	#N/A
2021/10/17	14	11.8	0.1362	#N/A
2021/10/17	15	11.3	0.1432	#N/A
2021/10/17	16	10.1	0.1550	#N/A
2021/10/17	17	8.8	0.1634	#N/A
2021/10/17	18	8.7	0.1680	#N/A
2021/10/17	19	8.5	0.1585	#N/A
2021/10/17	20	8.4	0.1461	#N/A
2021/10/17	21	7.4	0.1311	#N/A
2021/10/17	22	6.5	0.1195	#N/A
2021/10/17	23	5.9	0.1112	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/18	00	4.5	0.1091	#N/A
2021/10/18	01	6.1	0.1112	#N/A
2021/10/18	02	6.5	0.1174	#N/A
2021/10/18	03	6.9	0.1373	#N/A
2021/10/18	04	6.9	0.1740	#N/A
2021/10/18	05	6.7	0.2202	#N/A
2021/10/18	06	6.7	0.2450	#N/A
2021/10/18	07	6.5	0.2419	#N/A
2021/10/18	08	6.9	0.2146	#N/A
2021/10/18	09	7.4	0.1876	#N/A
2021/10/18	10	7.8	0.1663	#N/A
2021/10/18	11	9	0.1549	#N/A
2021/10/18	12	10.4	0.1418	#N/A
2021/10/18	13	9.6	0.1330	#N/A
2021/10/18	14	11.2	0.1378	#N/A
2021/10/18	15	9.1	0.1578	#N/A
2021/10/18	16	9.1	0.1757	#N/A
2021/10/18	17	8.9	0.1817	#N/A
2021/10/18	18	7.2	0.1792	#N/A
2021/10/18	19	8.1	0.1758	#N/A
2021/10/18	20	7.8	0.1663	#N/A
2021/10/18	21	6.9	0.1572	#N/A
2021/10/18	22	7.4	0.1487	#N/A
2021/10/18	23	7.9	0.1498	#N/A
2021/10/19	00	7.3	0.1537	#N/A
2021/10/19	01	5.7	0.1610	#N/A
2021/10/19	02	3.3	0.1748	#N/A
2021/10/19	03	2.4	0.2069	#N/A
2021/10/19	04	2.4	0.2585	#N/A
2021/10/19	05	2.5	0.3163	#N/A
2021/10/19	06	3.3	0.3409	#N/A
2021/10/19	07	3.8	0.3155	#N/A
2021/10/19	08	5.1	0.2554	#N/A
2021/10/19	09	6.5	0.1966	#N/A
2021/10/19	10	7.6	0.1523	#N/A
2021/10/19	11	8.6	0.1216	#N/A
2021/10/19	12	10.1	0.0939	#N/A
2021/10/19	13	12.8	0.0784	#N/A
2021/10/19	14	16.4	0.0718	#N/A
2021/10/19	15	17	0.0812	#N/A
2021/10/19	16	17.1	0.0975	#N/A
2021/10/19	17	14.2	0.1128	#N/A
2021/10/19	18	13.5	0.1158	#N/A
2021/10/19	19	8.5	0.1128	#N/A
2021/10/19	20	11.4	0.1021	#N/A
2021/10/19	21	9.3	0.0944	#N/A
2021/10/19	22	9	0.0869	#N/A
2021/10/19	23	9.3	0.0858	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/20	00	8.9	0.0871	#N/A
2021/10/20	01	8.6	0.0913	#N/A
2021/10/20	02	7.5	0.0975	#N/A
2021/10/20	03	6.9	0.1162	#N/A
2021/10/20	04	7.8	0.1510	#N/A
2021/10/20	05	8.4	0.1901	#N/A
2021/10/20	06	9.4	0.2079	#N/A
2021/10/20	07	10.2	0.1862	#N/A
2021/10/20	08	11.9	0.1467	#N/A
2021/10/20	09	13.9	0.1099	#N/A
2021/10/20	10	15.5	0.0880	#N/A
2021/10/20	11	16.7	0.0733	#N/A
2021/10/20	12	18	0.0633	#N/A
2021/10/20	13	19.1	0.0597	#N/A
2021/10/20	14	19.5	0.0630	#N/A
2021/10/20	15	19.8	0.0702	#N/A
2021/10/20	16	18.4	0.0838	#N/A
2021/10/20	17	17.3	0.0950	#N/A
2021/10/20	18	16.5	0.0994	#N/A
2021/10/20	19	14.9	0.0937	#N/A
2021/10/20	20	14.3	0.0830	#N/A
2021/10/20	21	13.5	0.0736	#N/A
2021/10/20	22	13	0.0724	#N/A
2021/10/20	23	11.4	0.0775	#N/A
2021/10/21	00	10.9	0.0870	#N/A
2021/10/21	01	10.6	0.0893	#N/A
2021/10/21	02	11.3	0.0894	#N/A
2021/10/21	03	10.7	0.0907	#N/A
2021/10/21	04	11	0.1024	#N/A
2021/10/21	05	10.7	0.1160	#N/A
2021/10/21	06	9.5	0.1275	#N/A
2021/10/21	07	9.3	0.1303	#N/A
2021/10/21	08	9.8	0.1313	#N/A
2021/10/21	09	9.7	0.1289	#N/A
2021/10/21	10	10.6	0.1301	#N/A
2021/10/21	11	11.1	0.1342	#N/A
2021/10/21	12	14.5	0.1421	#N/A
2021/10/21	13	14.8	0.1489	#N/A
2021/10/21	14	15.4	0.1515	#N/A
2021/10/21	15	16	0.1534	#N/A
2021/10/21	16	15.7	0.1518	#N/A
2021/10/21	17	14.9	0.1546	#N/A
2021/10/21	18	14.6	0.1528	#N/A
2021/10/21	19	14.4	0.1547	#N/A
2021/10/21	20	14.4	0.1548	#N/A
2021/10/21	21	14	0.1689	#N/A
2021/10/21	22	14.3	0.1823	#N/A
2021/10/21	23	13.9	0.2001	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/22	00	14	0.2030	#N/A
2021/10/22	01	12.1	0.2010	#N/A
2021/10/22	02	9.6	0.1967	#N/A
2021/10/22	03	9.2	0.2081	#N/A
2021/10/22	04	7	0.2360	#N/A
2021/10/22	05	6.2	0.2540	#N/A
2021/10/22	06	5	0.2540	#N/A
2021/10/22	07	4.2	0.2394	#N/A
2021/10/22	08	4.1	0.2237	#N/A
2021/10/22	09	4.1	0.2133	#N/A
2021/10/22	10	4.4	0.1969	#N/A
2021/10/22	11	5.4	0.1873	#N/A
2021/10/22	12	5.2	0.1807	#N/A
2021/10/22	13	5.8	0.1872	#N/A
2021/10/22	14	5.9	0.2059	#N/A
2021/10/22	15	6.3	0.2310	#N/A
2021/10/22	16	5.7	0.2430	#N/A
2021/10/22	17	4.2	0.2410	#N/A
2021/10/22	18	1.9	0.2297	#N/A
2021/10/22	19	1.8	0.2201	#N/A
2021/10/22	20	0.8	0.2125	#N/A
2021/10/22	21	1.4	0.2027	#N/A
2021/10/22	22	1.9	0.2020	#N/A
2021/10/22	23	1.1	0.2047	#N/A
2021/10/23	00	0.3	0.2150	#N/A
2021/10/23	01	-0.1	0.2303	#N/A
2021/10/23	02	1	0.2534	#N/A
2021/10/23	03	0.9	0.2991	#N/A
2021/10/23	04	0.6	0.3463	#N/A
2021/10/23	05	0.6	0.3879	#N/A
2021/10/23	06	0.6	0.3840	#N/A
2021/10/23	07	0.8	0.3418	#N/A
2021/10/23	08	1.8	0.2774	#N/A
2021/10/23	09	3.6	0.2203	#N/A
2021/10/23	10	4.8	0.1829	#N/A
2021/10/23	11	5.2	0.1589	#N/A
2021/10/23	12	6.6	0.1520	#N/A
2021/10/23	13	6.9	0.1651	#N/A
2021/10/23	14	8.4	0.1854	#N/A
2021/10/23	15	8.2	0.2037	#N/A
2021/10/23	16	7.2	0.2099	#N/A
2021/10/23	17	5.8	0.2118	#N/A
2021/10/23	18	4.6	0.2116	#N/A
2021/10/23	19	3.9	0.2063	#N/A
2021/10/23	20	4.1	0.1975	#N/A
2021/10/23	21	3.6	0.1871	#N/A
2021/10/23	22	3.5	0.1871	#N/A
2021/10/23	23	3.5	0.1968	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/24	00	3.4	0.2112	#N/A
2021/10/24	01	3.6	0.2268	#N/A
2021/10/24	02	2.9	0.2479	#N/A
2021/10/24	03	3.4	0.2859	#N/A
2021/10/24	04	2.4	0.3330	#N/A
2021/10/24	05	2.4	0.3696	#N/A
2021/10/24	06	1.8	0.3755	#N/A
2021/10/24	07	1.3	0.3461	#N/A
2021/10/24	08	3.8	0.2945	#N/A
2021/10/24	09	6.9	0.2384	#N/A
2021/10/24	10	8.8	0.2040	#N/A
2021/10/24	11	10.4	0.1841	#N/A
2021/10/24	12	11.1	0.1690	#N/A
2021/10/24	13	11.9	0.1572	#N/A
2021/10/24	14	11.4	0.1666	#N/A
2021/10/24	15	12	0.1827	#N/A
2021/10/24	16	11.6	0.1942	#N/A
2021/10/24	17	8.8	0.1901	#N/A
2021/10/24	18	7.8	0.1807	#N/A
2021/10/24	19	5.9	0.1666	#N/A
2021/10/24	20	5.5	0.1472	#N/A
2021/10/24	21	2.4	0.1351	#N/A
2021/10/24	22	4.6	0.1287	#N/A
2021/10/24	23	4.3	0.1308	#N/A
2021/10/25	00	3	0.1368	#N/A
2021/10/25	01	2.8	0.1416	#N/A
2021/10/25	02	3.1	0.1620	#N/A
2021/10/25	03	3.6	0.1892	#N/A
2021/10/25	04	4.3	0.2228	#N/A
2021/10/25	05	4.7	0.2334	#N/A
2021/10/25	06	5.1	0.2230	#N/A
2021/10/25	07	5.6	0.2054	#N/A
2021/10/25	08	5.7	0.1876	#N/A
2021/10/25	09	6.1	0.1826	#N/A
2021/10/25	10	6	0.1825	#N/A
2021/10/25	11	5.7	0.1891	#N/A
2021/10/25	12	6.2	0.1886	#N/A
2021/10/25	13	6.5	0.1818	#N/A
2021/10/25	14	6.8	0.1752	#N/A
2021/10/25	15	6.8	0.1733	#N/A
2021/10/25	16	6.6	0.1760	#N/A
2021/10/25	17	5.9	0.1777	#N/A
2021/10/25	18	5	0.1874	#N/A
2021/10/25	19	4.9	0.1982	#N/A
2021/10/25	20	5.1	0.2087	#N/A
2021/10/25	21	5	0.2095	#N/A
2021/10/25	22	5.3	0.2071	#N/A
2021/10/25	23	5.3	0.2030	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/26	00	5.2	0.2028	#N/A
2021/10/26	01	5.2	0.2064	#N/A
2021/10/26	02	5.4	0.2135	#N/A
2021/10/26	03	5.5	0.2176	#N/A
2021/10/26	04	5.8	0.2222	#N/A
2021/10/26	05	6	0.2239	#N/A
2021/10/26	06	6.1	0.2271	#N/A
2021/10/26	07	6.3	0.2203	#N/A
2021/10/26	08	6.7	0.2114	#N/A
2021/10/26	09	7	0.2005	#N/A
2021/10/26	10	7.3	0.1919	#N/A
2021/10/26	11	7.4	0.1858	#N/A
2021/10/26	12	7.6	0.1889	#N/A
2021/10/26	13	7.9	0.1983	#N/A
2021/10/26	14	8.3	0.2110	#N/A
2021/10/26	15	8.6	0.2079	#N/A
2021/10/26	16	9.1	0.1968	#N/A
2021/10/26	17	9.3	0.1801	#N/A
2021/10/26	18	9.5	0.1693	#N/A
2021/10/26	19	9.8	0.1573	#N/A
2021/10/26	20	9.6	0.1450	#N/A
2021/10/26	21	9.3	0.1316	#N/A
2021/10/26	22	8.9	0.1253	#N/A
2021/10/26	23	8.2	0.1246	#N/A
2021/10/27	00	7.7	0.1270	#N/A
2021/10/27	01	7.5	0.1352	#N/A
2021/10/27	02	7.4	0.1535	#N/A
2021/10/27	03	7.2	0.1933	#N/A
2021/10/27	04	6.6	0.2335	#N/A
2021/10/27	05	6	0.2572	#N/A
2021/10/27	06	5.7	0.2449	#N/A
2021/10/27	07	5.5	0.2118	#N/A
2021/10/27	08	6.9	0.1708	#N/A
2021/10/27	09	7.8	0.1387	#N/A
2021/10/27	10	9.3	0.1189	#N/A
2021/10/27	11	10.9	0.1050	#N/A
2021/10/27	12	11.6	0.0956	#N/A
2021/10/27	13	12.4	0.0922	#N/A
2021/10/27	14	13.3	0.1022	#N/A
2021/10/27	15	13.8	0.1194	#N/A
2021/10/27	16	12.2	0.1311	#N/A
2021/10/27	17	9.8	0.1349	#N/A
2021/10/27	18	9.7	0.1316	#N/A
2021/10/27	19	9.8	0.1251	#N/A
2021/10/27	20	9.2	0.1190	#N/A
2021/10/27	21	8.6	0.1149	#N/A
2021/10/27	22	7.7	0.1185	#N/A
2021/10/27	23	7.2	0.1289	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/28	00	6.8	0.1440	#N/A
2021/10/28	01	6.9	0.1641	#N/A
2021/10/28	02	5.7	0.1982	#N/A
2021/10/28	03	4.1	0.2504	#N/A
2021/10/28	04	2.3	0.3063	#N/A
2021/10/28	05	3.2	0.3336	#N/A
2021/10/28	06	2.1	0.3095	#N/A
2021/10/28	07	1.9	0.2530	#N/A
2021/10/28	08	4.6	0.1942	#N/A
2021/10/28	09	5.8	0.1545	#N/A
2021/10/28	10	6.8	0.1248	#N/A
2021/10/28	11	7.1	0.1035	#N/A
2021/10/28	12	7.5	0.0921	#N/A
2021/10/28	13	8.9	0.0940	#N/A
2021/10/28	14	9.2	0.1076	#N/A
2021/10/28	15	9.6	0.1295	#N/A
2021/10/28	16	9.2	0.1502	#N/A
2021/10/28	17	6.9	0.1620	#N/A
2021/10/28	18	5.1	0.1665	#N/A
2021/10/28	19	4.7	0.1647	#N/A
2021/10/28	20	5.4	0.1590	#N/A
2021/10/28	21	5.1	0.1525	#N/A
2021/10/28	22	3.6	0.1532	#N/A
2021/10/28	23	3.6	0.1637	#N/A
2021/10/29	00	3.6	0.1787	#N/A
2021/10/29	01	2.7	0.1991	#N/A
2021/10/29	02	2.3	0.2310	#N/A
2021/10/29	03	2.3	0.2863	#N/A
2021/10/29	04	2.1	0.3321	#N/A
2021/10/29	05	1.5	0.3451	#N/A
2021/10/29	06	1	0.3076	#N/A
2021/10/29	07	1.3	0.2697	#N/A
2021/10/29	08	3.1	0.2440	#N/A
2021/10/29	09	5.1	0.2330	#N/A
2021/10/29	10	7.2	0.2137	#N/A
2021/10/29	11	8.9	0.1974	#N/A
2021/10/29	12	10.7	0.1891	#N/A
2021/10/29	13	11.8	0.1891	#N/A
2021/10/29	14	13.1	0.1876	#N/A
2021/10/29	15	12.4	0.2015	#N/A
2021/10/29	16	11.7	0.2096	#N/A
2021/10/29	17	9.6	0.2193	#N/A
2021/10/29	18	7.4	0.2059	#N/A
2021/10/29	19	8	0.1985	#N/A
2021/10/29	20	7.5	0.1849	#N/A
2021/10/29	21	7.1	0.1785	#N/A
2021/10/29	22	7.1	0.1816	#N/A
2021/10/29	23	7.4	0.1912	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/10/30	00	6.7	0.1982	#N/A
2021/10/30	01	7.2	0.1933	#N/A
2021/10/30	02	6.6	0.1874	#N/A
2021/10/30	03	6.1	0.1888	#N/A
2021/10/30	04	6.1	0.1982	#N/A
2021/10/30	05	5.8	0.1988	#N/A
2021/10/30	06	5.6	0.1933	#N/A
2021/10/30	07	5.5	0.1815	#N/A
2021/10/30	08	5.3	0.1778	#N/A
2021/10/30	09	6.8	0.1767	#N/A
2021/10/30	10	7.1	0.1776	#N/A
2021/10/30	11	7	0.1806	#N/A
2021/10/30	12	6.9	0.1776	#N/A
2021/10/30	13	7.2	0.1757	#N/A
2021/10/30	14	8.1	0.1725	#N/A
2021/10/30	15	8.6	0.1698	#N/A
2021/10/30	16	8.4	0.1634	#N/A
2021/10/30	17	8.6	0.1553	#N/A
2021/10/30	18	8.8	0.1500	#N/A
2021/10/30	19	8.5	0.1422	#N/A
2021/10/30	20	8.5	0.1323	#N/A
2021/10/30	21	8.9	0.1238	#N/A
2021/10/30	22	8.8	0.1200	#N/A
2021/10/30	23	8.9	0.1200	#N/A
2021/10/31	00	9.1	0.1214	#N/A
2021/10/31	01	8.9	0.1286	#N/A
2021/10/31	02	8.8	0.1519	#N/A
2021/10/31	03	8.8	0.1846	#N/A
2021/10/31	04	8.7	0.2137	#N/A
2021/10/31	05	8.6	0.2215	#N/A
2021/10/31	06	8.4	0.2090	#N/A
2021/10/31	07	8.5	0.1885	#N/A
2021/10/31	08	8.7	0.1750	#N/A
2021/10/31	09	9.1	0.1655	#N/A
2021/10/31	10	9.6	0.1602	#N/A
2021/10/31	11	9.8	0.1513	0.1939
2021/10/31	12	10.3	0.1523	0.1922
2021/10/31	13	10.4	0.1520	0.1840
2021/10/31	14	10.6	0.1516	0.1761
2021/10/31	15	10.3	0.1504	0.1631
2021/10/31	16	10.4	0.1551	0.1572
2021/10/31	17	10.4	0.1644	0.1532
2021/10/31	18	10.8	0.1654	0.1540
2021/10/31	19	10	0.1606	0.1502
2021/10/31	20	9.5	0.1533	0.1393
2021/10/31	21	8.8	0.1507	0.1297
2021/10/31	22	8.1	0.1547	0.1216
2021/10/31	23	7.6	0.1600	0.1262

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/01	00	7.4	0.1720	0.1337
2021/11/01	01	7.7	0.1967	0.1428
2021/11/01	02	8.3	0.2480	0.1570
2021/11/01	03	8.1	0.3020	0.1815
2021/11/01	04	6.1	0.3314	0.2291
2021/11/01	05	5.2	0.3103	0.2656
2021/11/01	06	4.4	0.2677	0.2713
2021/11/01	07	3.8	0.2216	0.2353
2021/11/01	08	5	0.1889	0.1873
2021/11/01	09	6.5	0.1610	0.1532
2021/11/01	10	8	0.1434	0.1391
2021/11/01	11	9.6	0.1384	#N/A
2021/11/01	12	10.1	0.1501	#N/A
2021/11/01	13	10.6	0.1759	#N/A
2021/11/01	14	11.1	0.2031	#N/A
2021/11/01	15	9.6	0.2160	#N/A
2021/11/01	16	9	0.2182	#N/A
2021/11/01	17	6.7	0.2181	#N/A
2021/11/01	18	5.5	0.2166	#N/A
2021/11/01	19	4.6	0.2119	#N/A
2021/11/01	20	3.9	0.2081	#N/A
2021/11/01	21	3.3	0.2120	#N/A
2021/11/01	22	2.5	0.2203	#N/A
2021/11/01	23	1.7	0.2301	#N/A
2021/11/02	00	1.6	0.2458	#N/A
2021/11/02	01	1.1	0.2780	#N/A
2021/11/02	02	-1	0.3290	#N/A
2021/11/02	03	0.1	0.3800	#N/A
2021/11/02	04	0.7	0.3998	#N/A
2021/11/02	05	0.5	0.3786	#N/A
2021/11/02	06	-0.1	0.3388	#N/A
2021/11/02	07	-0.2	0.2897	#N/A
2021/11/02	08	1.1	0.2484	#N/A
2021/11/02	09	3.4	0.2244	#N/A
2021/11/02	10	4.1	0.2202	#N/A
2021/11/02	11	5.6	0.2261	#N/A
2021/11/02	12	7.9	0.2251	#N/A
2021/11/02	13	9.2	0.2392	#N/A
2021/11/02	14	6.8	0.2747	#N/A
2021/11/02	15	7.5	0.3042	#N/A
2021/11/02	16	6.1	0.3112	#N/A
2021/11/02	17	3.2	0.2919	#N/A
2021/11/02	18	3.1	0.2806	#N/A
2021/11/02	19	2.4	0.2857	#N/A
2021/11/02	20	1.8	0.2866	#N/A
2021/11/02	21	1.2	0.2830	#N/A
2021/11/02	22	1.4	0.2706	#N/A
2021/11/02	23	0.9	0.2678	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/03	00	0.8	0.2621	#N/A
2021/11/03	01	0.9	0.2572	#N/A
2021/11/03	02	1.1	0.2532	#N/A
2021/11/03	03	1.3	0.2552	#N/A
2021/11/03	04	1	0.2603	#N/A
2021/11/03	05	1	0.2627	#N/A
2021/11/03	06	1.3	0.2638	#N/A
2021/11/03	07	1.1	0.2595	#N/A
2021/11/03	08	1.6	0.2583	#N/A
2021/11/03	09	2.2	0.2564	#N/A
2021/11/03	10	2.8	0.2589	#N/A
2021/11/03	11	3.2	0.2644	#N/A
2021/11/03	12	4.1	0.2741	#N/A
2021/11/03	13	4.9	0.2860	#N/A
2021/11/03	14	5.2	0.2954	#N/A
2021/11/03	15	4.8	0.3050	#N/A
2021/11/03	16	4.4	0.3121	#N/A
2021/11/03	17	0.7	0.3222	#N/A
2021/11/03	18	0.5	0.3093	#N/A
2021/11/03	19	-0.1	0.2911	#N/A
2021/11/03	20	-0.9	0.2647	#N/A
2021/11/03	21	-3	0.2625	#N/A
2021/11/03	22	-1.6	0.2687	#N/A
2021/11/03	23	-2	0.2828	#N/A
2021/11/04	00	-2.7	0.3063	#N/A
2021/11/04	01	-3.5	0.3472	#N/A
2021/11/04	02	-2.7	0.4112	#N/A
2021/11/04	03	-3.1	0.4692	#N/A
2021/11/04	04	-2.3	0.4923	#N/A
2021/11/04	05	-1.3	0.4563	#N/A
2021/11/04	06	-3	0.3904	#N/A
2021/11/04	07	-3	0.3227	#N/A
2021/11/04	08	-0.9	0.2691	#N/A
2021/11/04	09	0.9	0.2366	#N/A
2021/11/04	10	2.7	0.2112	#N/A
2021/11/04	11	4.2	0.2077	#N/A
2021/11/04	12	3.7	0.2254	#N/A
2021/11/04	13	4.8	0.2564	#N/A
2021/11/04	14	3.9	0.2796	#N/A
2021/11/04	15	5.2	0.2804	#N/A
2021/11/04	16	4.3	0.2770	#N/A
2021/11/04	17	2.2	0.2725	#N/A
2021/11/04	18	2.6	0.2624	#N/A
2021/11/04	19	-0.9	0.2444	#N/A
2021/11/04	20	-2	0.2304	#N/A
2021/11/04	21	-2.5	0.2301	#N/A
2021/11/04	22	-1.7	0.2379	#N/A
2021/11/04	23	-2.4	0.2522	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/05	00	-2.2	0.2696	#N/A
2021/11/05	01	-1.5	0.3055	#N/A
2021/11/05	02	-1.8	0.3613	#N/A
2021/11/05	03	-1.9	0.4196	#N/A
2021/11/05	04	-1.7	0.4532	#N/A
2021/11/05	05	-3	0.4281	#N/A
2021/11/05	06	-2.1	0.3654	#N/A
2021/11/05	07	-4.2	0.2896	#N/A
2021/11/05	08	-1.1	0.2390	#N/A
2021/11/05	09	1.6	0.2215	#N/A
2021/11/05	10	3.6	0.2220	#N/A
2021/11/05	11	5.8	0.2219	#N/A
2021/11/05	12	6.9	0.2327	#N/A
2021/11/05	13	7.9	0.2426	#N/A
2021/11/05	14	8.5	0.2574	#N/A
2021/11/05	15	8.3	0.2532	#N/A
2021/11/05	16	6.9	0.2461	#N/A
2021/11/05	17	4.9	0.2400	#N/A
2021/11/05	18	6	0.2313	#N/A
2021/11/05	19	4.3	0.2212	#N/A
2021/11/05	20	3.3	0.2137	#N/A
2021/11/05	21	2.9	0.2125	#N/A
2021/11/05	22	2.2	0.2230	#N/A
2021/11/05	23	1.7	0.2358	#N/A
2021/11/06	00	1.2	0.2544	#N/A
2021/11/06	01	0.5	0.2796	#N/A
2021/11/06	02	-0.7	0.3254	#N/A
2021/11/06	03	-0.3	0.3741	#N/A
2021/11/06	04	-0.5	0.4122	#N/A
2021/11/06	05	-1.2	0.4067	#N/A
2021/11/06	06	-1.2	0.3689	#N/A
2021/11/06	07	-1.2	0.3028	#N/A
2021/11/06	08	0.7	0.2381	#N/A
2021/11/06	09	3.8	0.1891	#N/A
2021/11/06	10	6.7	0.1572	#N/A
2021/11/06	11	8.6	0.1453	#N/A
2021/11/06	12	9.5	0.1460	#N/A
2021/11/06	13	9.8	0.1747	#N/A
2021/11/06	14	10.2	0.2077	#N/A
2021/11/06	15	9.7	0.2370	#N/A
2021/11/06	16	8.8	0.2444	#N/A
2021/11/06	17	6.7	0.2478	#N/A
2021/11/06	18	5.1	0.2646	#N/A
2021/11/06	19	4.9	0.2786	#N/A
2021/11/06	20	3.8	0.2702	#N/A
2021/11/06	21	2.8	0.2475	#N/A
2021/11/06	22	2.4	0.2212	#N/A
2021/11/06	23	2.5	0.2130	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/07	00	1.8	0.2031	#N/A
2021/11/07	01	0.9	0.2051	#N/A
2021/11/07	02	-1	0.2051	#N/A
2021/11/07	03	-2.7	0.2026	#N/A
2021/11/07	04	0.8	0.2012	#N/A
2021/11/07	05	1.2	0.2036	#N/A
2021/11/07	06	0.9	0.2077	#N/A
2021/11/07	07	-0.4	0.2085	#N/A
2021/11/07	08	2	0.2078	#N/A
2021/11/07	09	5.4	0.2116	#N/A
2021/11/07	10	8.2	0.2129	#N/A
2021/11/07	11	10.9	0.2185	#N/A
2021/11/07	12	12.4	0.2112	#N/A
2021/11/07	13	13	0.2059	#N/A
2021/11/07	14	13.4	0.2035	#N/A
2021/11/07	15	13.6	0.2198	#N/A
2021/11/07	16	12.5	0.2358	#N/A
2021/11/07	17	10.6	0.2427	#N/A
2021/11/07	18	9.7	0.2353	#N/A
2021/11/07	19	8.8	0.2213	#N/A
2021/11/07	20	7.4	0.2078	#N/A
2021/11/07	21	7.3	0.2005	#N/A
2021/11/07	22	7.4	0.1917	#N/A
2021/11/07	23	7.3	0.1787	#N/A
2021/11/08	00	7.4	0.1612	#N/A
2021/11/08	01	6.8	0.1561	#N/A
2021/11/08	02	7	0.1624	#N/A
2021/11/08	03	5.6	0.1792	#N/A
2021/11/08	04	5.1	0.2082	#N/A
2021/11/08	05	4.5	0.2509	#N/A
2021/11/08	06	2	0.2923	#N/A
2021/11/08	07	1.7	0.3004	#N/A
2021/11/08	08	3.8	0.2804	#N/A
2021/11/08	09	7.3	0.2470	#N/A
2021/11/08	10	10.7	0.2168	#N/A
2021/11/08	11	12.8	0.1782	#N/A
2021/11/08	12	13.8	0.1381	#N/A
2021/11/08	13	14.3	0.1086	#N/A
2021/11/08	14	14	0.1004	#N/A
2021/11/08	15	13.6	0.1095	#N/A
2021/11/08	16	12.7	0.1272	#N/A
2021/11/08	17	11.3	0.1427	#N/A
2021/11/08	18	10.1	0.1480	#N/A
2021/11/08	19	9.1	0.1436	#N/A
2021/11/08	20	8.4	0.1408	#N/A
2021/11/08	21	7.2	0.1328	#N/A
2021/11/08	22	7.7	0.1269	#N/A
2021/11/08	23	7	0.1215	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/09	00	6.6	0.1232	#N/A
2021/11/09	01	6.3	0.1287	#N/A
2021/11/09	02	5.5	0.1355	#N/A
2021/11/09	03	6.2	0.1451	#N/A
2021/11/09	04	6.9	0.1671	#N/A
2021/11/09	05	7.4	0.2081	#N/A
2021/11/09	06	8.4	0.2494	#N/A
2021/11/09	07	7.6	0.2591	#N/A
2021/11/09	08	8.9	0.2317	#N/A
2021/11/09	09	9.3	0.1893	#N/A
2021/11/09	10	11.6	0.1520	#N/A
2021/11/09	11	13.2	0.1248	#N/A
2021/11/09	12	13.6	0.1030	#N/A
2021/11/09	13	14	0.0970	#N/A
2021/11/09	14	12.1	0.1020	#N/A
2021/11/09	15	12.2	0.1245	#N/A
2021/11/09	16	11	0.1505	#N/A
2021/11/09	17	9.8	0.1673	#N/A
2021/11/09	18	9.4	0.1771	#N/A
2021/11/09	19	9	0.1790	#N/A
2021/11/09	20	7	0.1845	#N/A
2021/11/09	21	6	0.1819	#N/A
2021/11/09	22	7	0.1777	#N/A
2021/11/09	23	5.5	0.1744	#N/A
2021/11/10	00	5.6	0.1788	#N/A
2021/11/10	01	3.6	0.1907	#N/A
2021/11/10	02	4.3	0.2067	#N/A
2021/11/10	03	4.3	0.2302	#N/A
2021/11/10	04	3	0.2704	#N/A
2021/11/10	05	2.9	0.3314	#N/A
2021/11/10	06	3.4	0.3896	#N/A
2021/11/10	07	2.6	0.3957	#N/A
2021/11/10	08	3.6	0.3476	#N/A
2021/11/10	09	5.2	0.2698	#N/A
2021/11/10	10	6.7	0.2090	#N/A
2021/11/10	11	8	0.1709	#N/A
2021/11/10	12	9.9	0.1465	#N/A
2021/11/10	13	10.3	0.1362	#N/A
2021/11/10	14	10.7	0.1388	#N/A
2021/11/10	15	10.6	0.1645	#N/A
2021/11/10	16	9.7	0.1945	#N/A
2021/11/10	17	6.7	0.2199	#N/A
2021/11/10	18	6.9	0.2322	#N/A
2021/11/10	19	4.4	0.2424	#N/A
2021/11/10	20	2.6	0.2496	#N/A
2021/11/10	21	3.2	0.2451	#N/A
2021/11/10	22	1.2	0.2365	#N/A
2021/11/10	23	0.8	0.2288	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/11	00	-0.3	0.2312	#N/A
2021/11/11	01	-0.7	0.2332	#N/A
2021/11/11	02	0.5	0.2376	#N/A
2021/11/11	03	0.1	0.2427	#N/A
2021/11/11	04	-0.2	0.2558	#N/A
2021/11/11	05	-1.6	0.2692	#N/A
2021/11/11	06	-1.5	0.2804	#N/A
2021/11/11	07	-2.4	0.2823	#N/A
2021/11/11	08	-0.2	0.2766	#N/A
2021/11/11	09	1.9	0.2745	#N/A
2021/11/11	10	3.8	0.2774	#N/A
2021/11/11	11	5.5	0.2884	#N/A
2021/11/11	12	5.9	0.2833	#N/A
2021/11/11	13	6.5	0.2746	#N/A
2021/11/11	14	6.9	0.2668	#N/A
2021/11/11	15	6.8	0.2840	#N/A
2021/11/11	16	6.3	0.3033	#N/A
2021/11/11	17	5.9	0.3131	#N/A
2021/11/11	18	5.5	0.3067	#N/A
2021/11/11	19	5.2	0.2827	#N/A
2021/11/11	20	5.2	0.2570	#N/A
2021/11/11	21	4.8	0.2355	#N/A
2021/11/11	22	4.8	0.2389	#N/A
2021/11/11	23	4.9	0.2384	#N/A
2021/11/12	00	5	0.2330	#N/A
2021/11/12	01	5.2	0.2210	#N/A
2021/11/12	02	5.8	0.2208	#N/A
2021/11/12	03	5.3	0.2244	#N/A
2021/11/12	04	4.7	0.2337	#N/A
2021/11/12	05	5.8	0.2559	#N/A
2021/11/12	06	7.1	0.2853	#N/A
2021/11/12	07	7.2	0.2919	#N/A
2021/11/12	08	9	0.2738	#N/A
2021/11/12	09	9.1	0.2344	#N/A
2021/11/12	10	9.1	0.1909	#N/A
2021/11/12	11	10.4	0.1493	#N/A
2021/11/12	12	10.4	0.1186	#N/A
2021/11/12	13	10.9	0.1101	#N/A
2021/11/12	14	12.2	0.1156	#N/A
2021/11/12	15	11.6	0.1382	#N/A
2021/11/12	16	10.2	0.1639	#N/A
2021/11/12	17	8.8	0.1853	#N/A
2021/11/12	18	7.1	0.1998	#N/A
2021/11/12	19	5.8	0.2109	#N/A
2021/11/12	20	4.9	0.2195	#N/A
2021/11/12	21	3.5	0.2182	#N/A
2021/11/12	22	4	0.2097	#N/A
2021/11/12	23	2.4	0.2019	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/13	00	2	0.1965	#N/A
2021/11/13	01	2.3	0.1960	#N/A
2021/11/13	02	2.3	0.1984	#N/A
2021/11/13	03	1.8	0.2079	#N/A
2021/11/13	04	0.7	0.2326	#N/A
2021/11/13	05	1.1	0.2726	#N/A
2021/11/13	06	1.9	0.3234	#N/A
2021/11/13	07	2.7	0.3538	#N/A
2021/11/13	08	4.1	0.3557	#N/A
2021/11/13	09	4.4	0.3232	#N/A
2021/11/13	10	4.2	0.2930	#N/A
2021/11/13	11	3.7	0.2522	#N/A
2021/11/13	12	4.1	0.2283	#N/A
2021/11/13	13	4.9	0.2162	#N/A
2021/11/13	14	5.7	0.2284	#N/A
2021/11/13	15	5.5	0.2407	#N/A
2021/11/13	16	5.1	0.2484	#N/A
2021/11/13	17	4.5	0.2523	#N/A
2021/11/13	18	4.2	0.2522	#N/A
2021/11/13	19	4.1	0.2470	#N/A
2021/11/13	20	2.7	0.2397	#N/A
2021/11/13	21	2.6	0.2305	#N/A
2021/11/13	22	1.9	0.2165	#N/A
2021/11/13	23	1.5	0.2050	#N/A
2021/11/14	00	1.4	0.2032	#N/A
2021/11/14	01	2.4	0.2086	#N/A
2021/11/14	02	2.9	0.2211	#N/A
2021/11/14	03	2.2	0.2361	#N/A
2021/11/14	04	0.9	0.2639	#N/A
2021/11/14	05	0.8	0.3047	#N/A
2021/11/14	06	-0.6	0.3558	#N/A
2021/11/14	07	-0.7	0.3931	#N/A
2021/11/14	08	0.3	0.3926	#N/A
2021/11/14	09	1.8	0.3600	#N/A
2021/11/14	10	2	0.3221	#N/A
2021/11/14	11	3.3	0.2962	#N/A
2021/11/14	12	4.4	0.2816	#N/A
2021/11/14	13	4.7	0.2767	#N/A
2021/11/14	14	5.1	0.2786	#N/A
2021/11/14	15	5.1	0.2862	#N/A
2021/11/14	16	4.6	0.2865	#N/A
2021/11/14	17	4.5	0.2819	#N/A
2021/11/14	18	3.6	0.2800	#N/A
2021/11/14	19	2.7	0.2766	#N/A
2021/11/14	20	2.5	0.2723	#N/A
2021/11/14	21	2.1	0.2547	#N/A
2021/11/14	22	1.4	0.2380	#N/A
2021/11/14	23	0.5	0.2227	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/15	00	0.3	0.2185	#N/A
2021/11/15	01	0.2	0.2181	#N/A
2021/11/15	02	0	0.2268	#N/A
2021/11/15	03	0	0.2419	#N/A
2021/11/15	04	0	0.2749	#N/A
2021/11/15	05	0	0.3262	#N/A
2021/11/15	06	0	0.3809	#N/A
2021/11/15	07	0.2	0.3969	#N/A
2021/11/15	08	0.3	0.3648	#N/A
2021/11/15	09	0.7	0.3020	#N/A
2021/11/15	10	2	0.2681	#N/A
2021/11/15	11	2.3	0.2619	#N/A
2021/11/15	12	2.9	0.2712	#N/A
2021/11/15	13	3.3	0.2752	#N/A
2021/11/15	14	1.6	0.2824	#N/A
2021/11/15	15	2.1	0.2991	#N/A
2021/11/15	16	1.5	0.3079	#N/A
2021/11/15	17	1.2	0.3053	#N/A
2021/11/15	18	1.3	0.3009	#N/A
2021/11/15	19	0.7	0.2974	#N/A
2021/11/15	20	0.9	0.2937	#N/A
2021/11/15	21	1.2	0.2758	#N/A
2021/11/15	22	1.3	0.2549	#N/A
2021/11/15	23	0.6	0.2364	#N/A
2021/11/16	00	0.9	0.2296	#N/A
2021/11/16	01	0.4	0.2315	#N/A
2021/11/16	02	1.2	0.2390	#N/A
2021/11/16	03	0.9	0.2557	#N/A
2021/11/16	04	0.9	0.2927	#N/A
2021/11/16	05	0.9	0.3534	#N/A
2021/11/16	06	0.4	0.4079	#N/A
2021/11/16	07	0.1	0.4216	#N/A
2021/11/16	08	0.6	0.3919	#N/A
2021/11/16	09	1.1	0.3583	#N/A
2021/11/16	10	1.1	0.3386	#N/A
2021/11/16	11	2.2	0.3317	#N/A
2021/11/16	12	2.9	0.3212	#N/A
2021/11/16	13	2.9	0.3144	#N/A
2021/11/16	14	2.6	0.3196	#N/A
2021/11/16	15	1.9	0.3315	#N/A
2021/11/16	16	0.6	0.3402	#N/A
2021/11/16	17	-0.6	0.3401	#N/A
2021/11/16	18	-1.9	0.3386	#N/A
2021/11/16	19	-0.9	0.3373	#N/A
2021/11/16	20	-2.5	0.3343	#N/A
2021/11/16	21	-2.2	0.3179	#N/A
2021/11/16	22	-2.1	0.2992	#N/A
2021/11/16	23	-2.4	0.2932	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/17	00	-3.8	0.2997	#N/A
2021/11/17	01	-4.6	0.3161	#N/A
2021/11/17	02	-5.4	0.3248	#N/A
2021/11/17	03	-4.8	0.3282	#N/A
2021/11/17	04	-3.8	0.3280	#N/A
2021/11/17	05	-3.9	0.3296	#N/A
2021/11/17	06	-3.2	0.3321	#N/A
2021/11/17	07	-2.7	0.3352	#N/A
2021/11/17	08	-1.9	0.3211	#N/A
2021/11/17	09	-1.8	0.3192	#N/A
2021/11/17	10	-0.7	0.3355	#N/A
2021/11/17	11	0	0.3765	#N/A
2021/11/17	12	0.4	0.3927	#N/A
2021/11/17	13	0.4	0.3587	#N/A
2021/11/17	14	0.5	0.3211	#N/A
2021/11/17	15	0.7	0.3186	#N/A
2021/11/17	16	0.8	0.3648	#N/A
2021/11/17	17	1	0.3872	#N/A
2021/11/17	18	0.4	0.3699	#N/A
2021/11/17	19	0.4	0.3206	#N/A
2021/11/17	20	-0.2	0.3000	#N/A
2021/11/17	21	-0.2	0.3151	#N/A
2021/11/17	22	0	0.3523	#N/A
2021/11/17	23	0.2	0.3622	#N/A
2021/11/18	00	0.5	0.3537	#N/A
2021/11/18	01	0.7	0.3517	#N/A
2021/11/18	02	1.1	0.3720	#N/A
2021/11/18	03	1.6	0.3834	#N/A
2021/11/18	04	2.2	0.3774	#N/A
2021/11/18	05	3.2	0.3711	#N/A
2021/11/18	06	4.9	0.3754	#N/A
2021/11/18	07	5.7	0.3640	#N/A
2021/11/18	08	6.3	0.3283	#N/A
2021/11/18	09	7.1	0.2906	#N/A
2021/11/18	10	7.4	0.2612	#N/A
2021/11/18	11	7.5	0.2515	#N/A
2021/11/18	12	7.2	0.2459	#N/A
2021/11/18	13	6.8	0.2573	#N/A
2021/11/18	14	6.3	0.2692	#N/A
2021/11/18	15	6.3	0.2784	#N/A
2021/11/18	16	6.1	0.2736	#N/A
2021/11/18	17	5.6	0.2715	#N/A
2021/11/18	18	5.4	0.2728	#N/A
2021/11/18	19	5.2	0.2799	#N/A
2021/11/18	20	4.2	0.2733	#N/A
2021/11/18	21	2.7	0.2594	#N/A
2021/11/18	22	2.1	0.2469	#N/A
2021/11/18	23	1.1	0.2463	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/19	00	1	0.2562	#N/A
2021/11/19	01	0.8	0.2679	#N/A
2021/11/19	02	0.9	0.2867	#N/A
2021/11/19	03	0.3	0.3197	#N/A
2021/11/19	04	-0.2	0.3716	#N/A
2021/11/19	05	0.2	0.4206	#N/A
2021/11/19	06	0.5	0.4362	#N/A
2021/11/19	07	0.5	0.4138	#N/A
2021/11/19	08	1	0.3664	#N/A
2021/11/19	09	1.2	0.3264	#N/A
2021/11/19	10	2.3	0.2980	#N/A
2021/11/19	11	2.5	0.2855	#N/A
2021/11/19	12	2.6	0.2850	#N/A
2021/11/19	13	3.3	0.2985	#N/A
2021/11/19	14	3.8	0.3211	#N/A
2021/11/19	15	3.4	0.3347	#N/A
2021/11/19	16	2.5	0.3364	#N/A
2021/11/19	17	1.3	0.3313	#N/A
2021/11/19	18	0.2	0.3304	#N/A
2021/11/19	19	-0.6	0.3323	#N/A
2021/11/19	20	-1.7	0.3265	#N/A
2021/11/19	21	-2	0.3138	#N/A
2021/11/19	22	-2	0.2999	#N/A
2021/11/19	23	-2	0.2967	#N/A
2021/11/20	00	-4.7	0.3058	#N/A
2021/11/20	01	-3.8	0.3224	#N/A
2021/11/20	02	-3.7	0.3408	#N/A
2021/11/20	03	-6.3	0.3648	#N/A
2021/11/20	04	-6	0.4024	#N/A
2021/11/20	05	-6.4	0.4451	#N/A
2021/11/20	06	-4.4	0.4788	#N/A
2021/11/20	07	-4.9	0.4726	#N/A
2021/11/20	08	-4	0.4387	#N/A
2021/11/20	09	-1.7	0.3849	#N/A
2021/11/20	10	-0.2	0.3447	#N/A
2021/11/20	11	1.1	0.3207	#N/A
2021/11/20	12	1.8	0.3152	#N/A
2021/11/20	13	2.9	0.3158	#N/A
2021/11/20	14	3	0.3150	#N/A
2021/11/20	15	3.2	0.3113	#N/A
2021/11/20	16	2.1	0.3026	#N/A
2021/11/20	17	0.9	0.2946	#N/A
2021/11/20	18	0.7	0.2837	#N/A
2021/11/20	19	1.1	0.2742	#N/A
2021/11/20	20	1.9	0.2588	#N/A
2021/11/20	21	2.2	0.2415	#N/A
2021/11/20	22	2.3	0.2273	#N/A
2021/11/20	23	2.6	0.2192	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/21	00	2.5	0.2203	#N/A
2021/11/21	01	1.5	0.2242	#N/A
2021/11/21	02	1.7	0.2454	#N/A
2021/11/21	03	1.5	0.2712	#N/A
2021/11/21	04	1.7	0.2965	#N/A
2021/11/21	05	1.9	0.2912	#N/A
2021/11/21	06	1.8	0.2758	#N/A
2021/11/21	07	1.9	0.2798	#N/A
2021/11/21	08	2.1	0.3028	#N/A
2021/11/21	09	2.5	0.3174	#N/A
2021/11/21	10	3.7	0.2875	#N/A
2021/11/21	11	4.4	0.2584	#N/A
2021/11/21	12	4.9	0.2551	#N/A
2021/11/21	13	5.2	0.2886	#N/A
2021/11/21	14	6.1	0.3032	#N/A
2021/11/21	15	5.3	0.2943	#N/A
2021/11/21	16	4.7	0.2654	#N/A
2021/11/21	17	4.2	0.2595	#N/A
2021/11/21	18	3.9	0.2798	#N/A
2021/11/21	19	3.4	0.3045	#N/A
2021/11/21	20	3.6	0.3097	#N/A
2021/11/21	21	4	0.3054	#N/A
2021/11/21	22	4.6	0.3282	#N/A
2021/11/21	23	4.8	0.3646	#N/A
2021/11/22	00	4.8	0.3714	#N/A
2021/11/22	01	5.5	0.3405	#N/A
2021/11/22	02	5.5	0.3210	#N/A
2021/11/22	03	5.8	0.3245	#N/A
2021/11/22	04	5.6	0.3403	#N/A
2021/11/22	05	4.7	0.3301	#N/A
2021/11/22	06	1.3	0.3115	#N/A
2021/11/22	07	0.7	0.2942	#N/A
2021/11/22	08	0	0.2879	#N/A
2021/11/22	09	1	0.2878	#N/A
2021/11/22	10	1.8	0.2924	#N/A
2021/11/22	11	2.7	0.2870	#N/A
2021/11/22	12	2.9	0.2895	#N/A
2021/11/22	13	3.2	0.2995	#N/A
2021/11/22	14	2.3	0.3355	#N/A
2021/11/22	15	1.5	0.3629	#N/A
2021/11/22	16	1.3	0.3782	#N/A
2021/11/22	17	-0.8	0.3839	#N/A
2021/11/22	18	-1	0.3844	#N/A
2021/11/22	19	-1.9	0.3823	#N/A
2021/11/22	20	-2.6	0.3589	#N/A
2021/11/22	21	-2.5	0.3369	#N/A
2021/11/22	22	-2.3	0.3171	#N/A
2021/11/22	23	-3.7	0.3128	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/23	00	-4.3	0.3218	#N/A
2021/11/23	01	-5.2	0.3345	#N/A
2021/11/23	02	-5.3	0.3620	#N/A
2021/11/23	03	-6.8	0.4077	#N/A
2021/11/23	04	-5.6	0.4734	#N/A
2021/11/23	05	-5.3	0.5287	#N/A
2021/11/23	06	-5.3	0.5423	#N/A
2021/11/23	07	-6.3	0.5143	#N/A
2021/11/23	08	-6.1	0.4764	#N/A
2021/11/23	09	-5.2	0.4389	#N/A
2021/11/23	10	-4.3	0.3991	#N/A
2021/11/23	11	-3.7	0.3492	#N/A
2021/11/23	12	-3.2	0.3262	#N/A
2021/11/23	13	-3.2	0.3376	#N/A
2021/11/23	14	-2.6	0.3795	#N/A
2021/11/23	15	-2.8	0.4055	#N/A
2021/11/23	16	-3.5	0.4168	#N/A
2021/11/23	17	-5.1	0.4155	#N/A
2021/11/23	18	-5.9	0.4198	#N/A
2021/11/23	19	-6	0.4209	#N/A
2021/11/23	20	-6.6	0.4052	#N/A
2021/11/23	21	-7.6	0.3844	#N/A
2021/11/23	22	-6.8	0.3669	#N/A
2021/11/23	23	-6.5	0.3678	#N/A
2021/11/24	00	-7	0.3767	#N/A
2021/11/24	01	-7.7	0.3936	#N/A
2021/11/24	02	-9.8	0.4168	#N/A
2021/11/24	03	-9.6	0.4603	#N/A
2021/11/24	04	-10.2	0.5159	#N/A
2021/11/24	05	-10.3	0.5629	#N/A
2021/11/24	06	-9.2	0.5646	#N/A
2021/11/24	07	-8.5	0.5120	#N/A
2021/11/24	08	-6.9	0.4377	#N/A
2021/11/24	09	-4	0.3684	#N/A
2021/11/24	10	-1.7	0.3248	#N/A
2021/11/24	11	0.7	0.2889	#N/A
2021/11/24	12	2.3	0.2785	#N/A
2021/11/24	13	3.8	0.2870	#N/A
2021/11/24	14	4.4	0.3184	#N/A
2021/11/24	15	4.2	0.3346	#N/A
2021/11/24	16	2.8	0.3331	#N/A
2021/11/24	17	1.8	0.3189	#N/A
2021/11/24	18	1.1	0.3088	#N/A
2021/11/24	19	0.6	0.2987	#N/A
2021/11/24	20	-0.2	0.2801	#N/A
2021/11/24	21	-0.3	0.2545	#N/A
2021/11/24	22	0.2	0.2338	#N/A
2021/11/24	23	-1.2	0.2228	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/25	00	-1.9	0.2229	#N/A
2021/11/25	01	-1.6	0.2288	#N/A
2021/11/25	02	-1.8	0.2439	#N/A
2021/11/25	03	-0.7	0.2786	#N/A
2021/11/25	04	-0.4	0.3329	#N/A
2021/11/25	05	-0.2	0.3671	#N/A
2021/11/25	06	-0.5	0.3627	#N/A
2021/11/25	07	0	0.3151	#N/A
2021/11/25	08	0.2	0.2861	#N/A
2021/11/25	09	0.8	0.2786	#N/A
2021/11/25	10	1.6	0.3006	#N/A
2021/11/25	11	2	0.3032	#N/A
2021/11/25	12	1.8	0.2963	#N/A
2021/11/25	13	1.8	0.2736	#N/A
2021/11/25	14	2.3	0.2806	#N/A
2021/11/25	15	2.5	0.3043	#N/A
2021/11/25	16	1.8	0.3252	#N/A
2021/11/25	17	1.7	0.3209	#N/A
2021/11/25	18	1.4	0.3126	#N/A
2021/11/25	19	1.3	0.3359	#N/A
2021/11/25	20	1.4	0.3567	#N/A
2021/11/25	21	1.4	0.3606	#N/A
2021/11/25	22	1.3	0.3383	#N/A
2021/11/25	23	1.1	0.3319	#N/A
2021/11/26	00	1.2	0.3353	#N/A
2021/11/26	01	1.2	0.3479	#N/A
2021/11/26	02	0.9	0.3517	#N/A
2021/11/26	03	0.9	0.3460	#N/A
2021/11/26	04	0.9	0.3278	#N/A
2021/11/26	05	0.8	0.3226	#N/A
2021/11/26	06	0.9	0.3300	#N/A
2021/11/26	07	1.2	0.3494	#N/A
2021/11/26	08	1.6	0.3565	#N/A
2021/11/26	09	1.6	0.3515	#N/A
2021/11/26	10	1.6	0.3316	#N/A
2021/11/26	11	1.9	0.3098	#N/A
2021/11/26	12	1.8	0.3080	#N/A
2021/11/26	13	1	0.3390	#N/A
2021/11/26	14	1	0.3779	#N/A
2021/11/26	15	0.1	0.4011	#N/A
2021/11/26	16	-0.9	0.4038	#N/A
2021/11/26	17	-1.3	0.4010	#N/A
2021/11/26	18	-1.9	0.3999	#N/A
2021/11/26	19	-2.2	0.3839	#N/A
2021/11/26	20	-2.6	0.3618	#N/A
2021/11/26	21	-2.6	0.3443	#N/A
2021/11/26	22	-2.7	0.3455	#N/A
2021/11/26	23	-3.3	0.3595	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/27	00	-3.6	0.3812	#N/A
2021/11/27	01	-4	0.4087	#N/A
2021/11/27	02	-4.9	0.4502	#N/A
2021/11/27	03	-5.1	0.5084	#N/A
2021/11/27	04	-5.5	0.5704	#N/A
2021/11/27	05	-6.1	0.6062	#N/A
2021/11/27	06	-7	0.5897	#N/A
2021/11/27	07	-7.8	0.5343	#N/A
2021/11/27	08	-8.2	0.4664	#N/A
2021/11/27	09	-7.2	0.4110	#N/A
2021/11/27	10	-6.8	0.3790	#N/A
2021/11/27	11	-5.2	0.3701	#N/A
2021/11/27	12	-4.3	0.3867	#N/A
2021/11/27	13	-3.4	0.4197	#N/A
2021/11/27	14	-3.1	0.4467	#N/A
2021/11/27	15	-2.9	0.4594	#N/A
2021/11/27	16	-3.4	0.4583	#N/A
2021/11/27	17	-4	0.4534	#N/A
2021/11/27	18	-4.4	0.4450	#N/A
2021/11/27	19	-5	0.4229	#N/A
2021/11/27	20	-5.4	0.3977	#N/A
2021/11/27	21	-6	0.3768	#N/A
2021/11/27	22	-6.5	0.3677	#N/A
2021/11/27	23	-6.9	0.3734	#N/A
2021/11/28	00	-7.6	0.3820	#N/A
2021/11/28	01	-8	0.4024	#N/A
2021/11/28	02	-8.5	0.4355	#N/A
2021/11/28	03	-9.1	0.4873	#N/A
2021/11/28	04	-9.8	0.5411	#N/A
2021/11/28	05	-10.3	0.5781	#N/A
2021/11/28	06	-9.9	0.5842	#N/A
2021/11/28	07	-10.9	0.5604	#N/A
2021/11/28	08	-10.9	0.5126	#N/A
2021/11/28	09	-8.9	0.4514	#N/A
2021/11/28	10	-7.4	0.4069	#N/A
2021/11/28	11	-5.5	0.3936	#N/A
2021/11/28	12	-5.1	0.4158	#N/A
2021/11/28	13	-3.3	0.4348	#N/A
2021/11/28	14	-2.9	0.4424	#N/A
2021/11/28	15	-3.1	0.4373	#N/A
2021/11/28	16	-3.5	0.4376	#N/A
2021/11/28	17	-4	0.4405	#N/A
2021/11/28	18	-3.9	0.4404	#N/A
2021/11/28	19	-4.1	0.4206	#N/A
2021/11/28	20	-4	0.3908	#N/A
2021/11/28	21	-4	0.3647	#N/A
2021/11/28	22	-4.6	0.3570	#N/A
2021/11/28	23	-4.7	0.3667	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/11/29	00	-5	0.3854	#N/A
2021/11/29	01	-5.7	0.4190	#N/A
2021/11/29	02	-5.9	0.4709	#N/A
2021/11/29	03	-6.5	0.5400	#N/A
2021/11/29	04	-6.5	0.5931	#N/A
2021/11/29	05	-7.2	0.6047	#N/A
2021/11/29	06	-8.6	0.5719	#N/A
2021/11/29	07	-7.5	0.5092	#N/A
2021/11/29	08	-7.2	0.4404	#N/A
2021/11/29	09	-5.6	0.3732	#N/A
2021/11/29	10	-4.5	0.3331	#N/A
2021/11/29	11	-3.2	0.3229	#N/A
2021/11/29	12	-3	0.3555	#N/A
2021/11/29	13	-2.6	0.3991	#N/A
2021/11/29	14	-1.9	0.4319	#N/A
2021/11/29	15	-1.8	0.4515	#N/A
2021/11/29	16	-2.3	0.4811	#N/A
2021/11/29	17	-3.4	0.4942	#N/A
2021/11/29	18	-3	0.4820	#N/A
2021/11/29	19	-2.9	0.4502	#N/A
2021/11/29	20	-3.2	0.4359	#N/A
2021/11/29	21	-3.2	0.4339	#N/A
2021/11/29	22	-3.4	0.4288	#N/A
2021/11/29	23	-4.3	0.4166	#N/A
2021/11/30	00	-4	0.4031	#N/A
2021/11/30	01	-4.3	0.3964	#N/A
2021/11/30	02	-4.3	0.3984	#N/A
2021/11/30	03	-4.7	0.3954	#N/A
2021/11/30	04	-5.6	0.3920	#N/A
2021/11/30	05	-6.5	0.3898	#N/A
2021/11/30	06	-6.4	0.3916	#N/A
2021/11/30	07	-6.4	0.3778	#N/A
2021/11/30	08	-7.5	0.3553	#N/A
2021/11/30	09	-4.3	0.3432	#N/A
2021/11/30	10	-4.3	0.3577	#N/A
2021/11/30	11	-3	0.3745	#N/A
2021/11/30	12	-2.1	0.3753	0.3168
2021/11/30	13	-1.3	0.3567	0.3281
2021/11/30	14	-1.2	0.3474	0.3459
2021/11/30	15	-1.2	0.3495	0.3686
2021/11/30	16	-1.3	0.3651	0.3676
2021/11/30	17	-1.7	0.3679	0.3600
2021/11/30	18	-2.3	0.3616	0.3544
2021/11/30	19	-2.5	0.3352	0.3459
2021/11/30	20	-2.6	0.3078	0.3332
2021/11/30	21	-3.1	0.2845	0.3056
2021/11/30	22	-2.6	0.2730	0.2883
2021/11/30	23	-2.6	0.2757	0.2671

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/01	00	-2.3	0.2884	0.2666
2021/12/01	01	-2.2	0.3141	0.2710
2021/12/01	02	-0.8	0.3640	0.2883
2021/12/01	03	-0.1	0.4331	0.3098
2021/12/01	04	0.3	0.4981	0.3577
2021/12/01	05	-0.4	0.5168	0.4056
2021/12/01	06	-1.7	0.4778	0.4432
2021/12/01	07	-2.6	0.4108	0.4257
2021/12/01	08	-3.3	0.3472	0.3782
2021/12/01	09	-3.7	0.3047	0.3116
2021/12/01	10	-3.6	0.2852	0.2642
2021/12/01	11	-3	0.3018	0.2440
2021/12/01	12	-2.2	0.3419	#N/A
2021/12/01	13	-1.4	0.3850	#N/A
2021/12/01	14	-0.7	0.3985	#N/A
2021/12/01	15	-0.8	0.3929	#N/A
2021/12/01	16	-2.4	0.3817	#N/A
2021/12/01	17	-3.5	0.3684	#N/A
2021/12/01	18	-4.4	0.3579	#N/A
2021/12/01	19	-2.4	0.3314	#N/A
2021/12/01	20	-2.6	0.3062	#N/A
2021/12/01	21	-2.2	0.2803	#N/A
2021/12/01	22	-1.8	0.2713	#N/A
2021/12/01	23	-1.5	0.2743	#N/A
2021/12/02	00	-1.2	0.2841	#N/A
2021/12/02	01	-0.6	0.3023	#N/A
2021/12/02	02	-0.6	0.3397	#N/A
2021/12/02	03	-0.9	0.3933	#N/A
2021/12/02	04	-0.7	0.4402	#N/A
2021/12/02	05	0.2	0.4484	#N/A
2021/12/02	06	0.2	0.4161	#N/A
2021/12/02	07	1.4	0.3741	#N/A
2021/12/02	08	2.9	0.3373	#N/A
2021/12/02	09	3.4	0.3151	#N/A
2021/12/02	10	4	0.2991	#N/A
2021/12/02	11	4.8	0.2960	#N/A
2021/12/02	12	5.1	0.3028	#N/A
2021/12/02	13	5.9	0.3160	#N/A
2021/12/02	14	6.3	0.3242	#N/A
2021/12/02	15	7	0.3308	#N/A
2021/12/02	16	6	0.3341	#N/A
2021/12/02	17	4.3	0.3399	#N/A
2021/12/02	18	4	0.3397	#N/A
2021/12/02	19	4.2	0.3268	#N/A
2021/12/02	20	3.2	0.3062	#N/A
2021/12/02	21	0.8	0.2865	#N/A
2021/12/02	22	0.2	0.2809	#N/A
2021/12/02	23	-0.2	0.2904	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/03	00	-0.8	0.3121	#N/A
2021/12/03	01	-1.2	0.3466	#N/A
2021/12/03	02	-1.2	0.4023	#N/A
2021/12/03	03	-1.9	0.4741	#N/A
2021/12/03	04	-2.1	0.5459	#N/A
2021/12/03	05	-3.2	0.5734	#N/A
2021/12/03	06	-3.9	0.5445	#N/A
2021/12/03	07	-4.6	0.4825	#N/A
2021/12/03	08	-5.5	0.4261	#N/A
2021/12/03	09	-5.6	0.3930	#N/A
2021/12/03	10	-5.5	0.3773	#N/A
2021/12/03	11	-5.8	0.3787	#N/A
2021/12/03	12	-5.7	0.4080	#N/A
2021/12/03	13	-5.3	0.4520	#N/A
2021/12/03	14	-4.9	0.4660	#N/A
2021/12/03	15	-4.7	0.4514	#N/A
2021/12/03	16	-5.3	0.4417	#N/A
2021/12/03	17	-6.5	0.4610	#N/A
2021/12/03	18	-6.8	0.4874	#N/A
2021/12/03	19	-6.8	0.4860	#N/A
2021/12/03	20	-6.5	0.4828	#N/A
2021/12/03	21	-6.8	0.4813	#N/A
2021/12/03	22	-6.8	0.4861	#N/A
2021/12/03	23	-6.9	0.4765	#N/A
2021/12/04	00	-7.1	0.4543	#N/A
2021/12/04	01	-8	0.4253	#N/A
2021/12/04	02	-9.8	0.4070	#N/A
2021/12/04	03	-9.8	0.3934	#N/A
2021/12/04	04	-9.3	0.3995	#N/A
2021/12/04	05	-11.8	0.4104	#N/A
2021/12/04	06	-11.2	0.4260	#N/A
2021/12/04	07	-11.5	0.4279	#N/A
2021/12/04	08	-9.2	0.4249	#N/A
2021/12/04	09	-7.6	0.4294	#N/A
2021/12/04	10	-7.3	0.4326	#N/A
2021/12/04	11	-6.9	0.4334	#N/A
2021/12/04	12	-6.2	0.4340	#N/A
2021/12/04	13	-5.7	0.4472	#N/A
2021/12/04	14	-5.1	0.4665	#N/A
2021/12/04	15	-5.6	0.4840	#N/A
2021/12/04	16	-6.1	0.4772	#N/A
2021/12/04	17	-8.2	0.4607	#N/A
2021/12/04	18	-7.2	0.4542	#N/A
2021/12/04	19	-7.2	0.4882	#N/A
2021/12/04	20	-7.7	0.5207	#N/A
2021/12/04	21	-9	0.5114	#N/A
2021/12/04	22	-8.2	0.4448	#N/A
2021/12/04	23	-6.6	0.3789	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/05	00	-7	0.3437	#N/A
2021/12/05	01	-8.7	0.3445	#N/A
2021/12/05	02	-10.2	0.3564	#N/A
2021/12/05	03	-8.7	0.3799	#N/A
2021/12/05	04	-10.4	0.4197	#N/A
2021/12/05	05	-10.5	0.4765	#N/A
2021/12/05	06	-12.3	0.5406	#N/A
2021/12/05	07	-10.5	0.5818	#N/A
2021/12/05	08	-9.9	0.5848	#N/A
2021/12/05	09	-9.2	0.5414	#N/A
2021/12/05	10	-7.1	0.4729	#N/A
2021/12/05	11	-5.2	0.4301	#N/A
2021/12/05	12	-4	0.4174	#N/A
2021/12/05	13	-2.9	0.4345	#N/A
2021/12/05	14	-3.3	0.4444	#N/A
2021/12/05	15	-4	0.4503	#N/A
2021/12/05	16	-4.4	0.4449	#N/A
2021/12/05	17	-4.7	0.4346	#N/A
2021/12/05	18	-4.7	0.4214	#N/A
2021/12/05	19	-4.8	0.4175	#N/A
2021/12/05	20	-5.9	0.4125	#N/A
2021/12/05	21	-5.7	0.3917	#N/A
2021/12/05	22	-5.6	0.3615	#N/A
2021/12/05	23	-5.5	0.3341	#N/A
2021/12/06	00	-5.3	0.3265	#N/A
2021/12/06	01	-4.7	0.3319	#N/A
2021/12/06	02	-3.9	0.3438	#N/A
2021/12/06	03	-3.6	0.3635	#N/A
2021/12/06	04	-3.6	0.4003	#N/A
2021/12/06	05	-2.4	0.4513	#N/A
2021/12/06	06	-1.9	0.4959	#N/A
2021/12/06	07	-1.2	0.5021	#N/A
2021/12/06	08	-0.3	0.4703	#N/A
2021/12/06	09	0.2	0.4297	#N/A
2021/12/06	10	1.2	0.4004	#N/A
2021/12/06	11	3.7	0.3837	#N/A
2021/12/06	12	5.9	0.3680	#N/A
2021/12/06	13	6.8	0.3538	#N/A
2021/12/06	14	7.3	0.3496	#N/A
2021/12/06	15	7.1	0.3576	#N/A
2021/12/06	16	5.4	0.3633	#N/A
2021/12/06	17	4.4	0.3646	#N/A
2021/12/06	18	3.2	0.3573	#N/A
2021/12/06	19	2.6	0.3504	#N/A
2021/12/06	20	1.6	0.3433	#N/A
2021/12/06	21	1.5	0.3312	#N/A
2021/12/06	22	1.2	0.3226	#N/A
2021/12/06	23	0.9	0.3135	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/07	00	-0.5	0.3171	#N/A
2021/12/07	01	-2.4	0.3286	#N/A
2021/12/07	02	-4.4	0.3518	#N/A
2021/12/07	03	-5.4	0.3824	#N/A
2021/12/07	04	-6.1	0.4330	#N/A
2021/12/07	05	-7.1	0.5023	#N/A
2021/12/07	06	-8	0.5673	#N/A
2021/12/07	07	-8.4	0.5925	#N/A
2021/12/07	08	-8.8	0.5703	#N/A
2021/12/07	09	-7.9	0.5358	#N/A
2021/12/07	10	-7.3	0.5087	#N/A
2021/12/07	11	-6.8	0.4969	#N/A
2021/12/07	12	-6.3	0.4819	#N/A
2021/12/07	13	-6.3	0.4704	#N/A
2021/12/07	14	-6.8	0.4787	#N/A
2021/12/07	15	-7.1	0.5109	#N/A
2021/12/07	16	-7.2	0.5464	#N/A
2021/12/07	17	-7.6	0.5645	#N/A
2021/12/07	18	-8.3	0.5629	#N/A
2021/12/07	19	-8.6	0.5535	#N/A
2021/12/07	20	-8.6	0.5304	#N/A
2021/12/07	21	-8.7	0.5005	#N/A
2021/12/07	22	-8.9	0.4784	#N/A
2021/12/07	23	-9.1	0.4793	#N/A
2021/12/08	00	-9.5	0.4824	#N/A
2021/12/08	01	-9.9	0.4722	#N/A
2021/12/08	02	-9.8	0.4534	#N/A
2021/12/08	03	-10	0.4471	#N/A
2021/12/08	04	-10.2	0.4584	#N/A
2021/12/08	05	-10.6	0.4701	#N/A
2021/12/08	06	-10.6	0.4761	#N/A
2021/12/08	07	-10	0.4713	#N/A
2021/12/08	08	-9.9	0.4685	#N/A
2021/12/08	09	-8.9	0.4670	#N/A
2021/12/08	10	-8.1	0.4754	#N/A
2021/12/08	11	-7.6	0.4661	#N/A
2021/12/08	12	-8	0.4600	#N/A
2021/12/08	13	-8.2	0.4726	#N/A
2021/12/08	14	-8.3	0.5158	#N/A
2021/12/08	15	-8.5	0.5362	#N/A
2021/12/08	16	-9.1	0.4995	#N/A
2021/12/08	17	-9.2	0.4553	#N/A
2021/12/08	18	-9.6	0.4497	#N/A
2021/12/08	19	-9.8	0.5015	#N/A
2021/12/08	20	-9.7	0.5187	#N/A
2021/12/08	21	-9.8	0.4981	#N/A
2021/12/08	22	-9.8	0.4441	#N/A
2021/12/08	23	-9.9	0.4302	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/09	00	-9.9	0.4474	#N/A
2021/12/09	01	-10	0.4801	#N/A
2021/12/09	02	-10.1	0.4835	#N/A
2021/12/09	03	-10.3	0.4762	#N/A
2021/12/09	04	-9.8	0.4796	#N/A
2021/12/09	05	-8.5	0.5330	#N/A
2021/12/09	06	-8	0.5900	#N/A
2021/12/09	07	-8.6	0.6197	#N/A
2021/12/09	08	-10.1	0.5813	#N/A
2021/12/09	09	-9.2	0.5247	#N/A
2021/12/09	10	-8.6	0.4811	#N/A
2021/12/09	11	-7.8	0.4693	#N/A
2021/12/09	12	-7.2	0.4611	#N/A
2021/12/09	13	-7.1	0.4487	#N/A
2021/12/09	14	-6.9	0.4592	#N/A
2021/12/09	15	-7.6	0.4878	#N/A
2021/12/09	16	-7	0.5162	#N/A
2021/12/09	17	-7.9	0.5168	#N/A
2021/12/09	18	-8.2	0.5075	#N/A
2021/12/09	19	-9.7	0.4959	#N/A
2021/12/09	20	-9.2	0.4818	#N/A
2021/12/09	21	-10.8	0.4510	#N/A
2021/12/09	22	-9.2	0.4169	#N/A
2021/12/09	23	-8.8	0.3901	#N/A
2021/12/10	00	-8	0.3799	#N/A
2021/12/10	01	-7.5	0.3850	#N/A
2021/12/10	02	-7.4	0.3968	#N/A
2021/12/10	03	-7.3	0.4165	#N/A
2021/12/10	04	-7.5	0.4500	#N/A
2021/12/10	05	-7.7	0.5054	#N/A
2021/12/10	06	-7.7	0.5541	#N/A
2021/12/10	07	-7.7	0.5727	#N/A
2021/12/10	08	-7.6	0.5417	#N/A
2021/12/10	09	-7.3	0.5035	#N/A
2021/12/10	10	-6.8	0.4718	#N/A
2021/12/10	11	-6.3	0.4598	#N/A
2021/12/10	12	-5.4	0.4470	#N/A
2021/12/10	13	-5.2	0.4406	#N/A
2021/12/10	14	-4.7	0.4363	#N/A
2021/12/10	15	-4.5	0.4401	#N/A
2021/12/10	16	-4.4	0.4323	#N/A
2021/12/10	17	-4.2	0.4191	#N/A
2021/12/10	18	-4.2	0.4032	#N/A
2021/12/10	19	-4.2	0.3906	#N/A
2021/12/10	20	-4	0.3816	#N/A
2021/12/10	21	-3.9	0.3581	#N/A
2021/12/10	22	-4.1	0.3320	#N/A
2021/12/10	23	-3.9	0.3060	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/11	00	-3.7	0.2959	#N/A
2021/12/11	01	-3.4	0.2979	#N/A
2021/12/11	02	-3.2	0.3052	#N/A
2021/12/11	03	-3.1	0.3174	#N/A
2021/12/11	04	-2.8	0.3433	#N/A
2021/12/11	05	-2.1	0.3843	#N/A
2021/12/11	06	-1.3	0.4325	#N/A
2021/12/11	07	-1	0.4662	#N/A
2021/12/11	08	0.1	0.4665	#N/A
2021/12/11	09	0.2	0.4444	#N/A
2021/12/11	10	0.2	0.4096	#N/A
2021/12/11	11	0.4	0.3852	#N/A
2021/12/11	12	0.4	0.3697	#N/A
2021/12/11	13	0.6	0.3599	#N/A
2021/12/11	14	1.6	0.3573	#N/A
2021/12/11	15	2.4	0.3478	#N/A
2021/12/11	16	2.5	0.3352	#N/A
2021/12/11	17	10.2	0.3175	#N/A
2021/12/11	18	10.8	0.3070	#N/A
2021/12/11	19	9.9	0.3004	#N/A
2021/12/11	20	6.9	0.2640	#N/A
2021/12/11	21	5.7	0.2069	#N/A
2021/12/11	22	4.2	0.1506	#N/A
2021/12/11	23	2.4	0.1678	#N/A
2021/12/12	00	1.8	0.2242	#N/A
2021/12/12	01	1.4	0.2960	#N/A
2021/12/12	02	1.2	0.3134	#N/A
2021/12/12	03	0.8	0.2869	#N/A
2021/12/12	04	-0.4	0.2279	#N/A
2021/12/12	05	-1.2	0.1956	#N/A
2021/12/12	06	-1.1	0.2115	#N/A
2021/12/12	07	-1	0.2556	#N/A
2021/12/12	08	-0.3	0.2735	#N/A
2021/12/12	09	0.9	0.2480	#N/A
2021/12/12	10	2.7	0.2057	#N/A
2021/12/12	11	4	0.1860	#N/A
2021/12/12	12	4.7	0.2028	#N/A
2021/12/12	13	5.2	0.2424	#N/A
2021/12/12	14	5.3	0.2553	#N/A
2021/12/12	15	5.3	0.2447	#N/A
2021/12/12	16	4.5	0.2358	#N/A
2021/12/12	17	3.5	0.2425	#N/A
2021/12/12	18	2.8	0.2597	#N/A
2021/12/12	19	3.1	0.2727	#N/A
2021/12/12	20	3.5	0.2813	#N/A
2021/12/12	21	3.5	0.2836	#N/A
2021/12/12	22	3.2	0.2711	#N/A
2021/12/12	23	3.7	0.2561	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/13	00	3.3	0.2665	#N/A
2021/12/13	01	3.3	0.3605	#N/A
2021/12/13	02	3	0.4156	#N/A
2021/12/13	03	2.7	0.4155	#N/A
2021/12/13	04	3.1	0.5875	#N/A
2021/12/13	05	3.2	0.6785	#N/A
2021/12/13	06	3.5	0.7364	#N/A
2021/12/13	07	3.6	0.5035	#N/A
2021/12/13	08	3.9	0.3714	#N/A
2021/12/13	09	4.1	0.2895	#N/A
2021/12/13	10	4.6	0.2393	#N/A
2021/12/13	11	6.2	0.2156	#N/A
2021/12/13	12	6.9	0.2117	#N/A
2021/12/13	13	7.8	0.2265	#N/A
2021/12/13	14	8.1	0.2583	#N/A
2021/12/13	15	8	0.2850	#N/A
2021/12/13	16	6.5	0.2958	#N/A
2021/12/13	17	5.2	0.2941	#N/A
2021/12/13	18	4.4	0.2889	#N/A
2021/12/13	19	4	0.2865	#N/A
2021/12/13	20	2.4	0.2736	#N/A
2021/12/13	21	2.1	0.2561	#N/A
2021/12/13	22	1.5	0.2377	#N/A
2021/12/13	23	0.7	0.2309	#N/A
2021/12/14	00	1.9	0.2349	#N/A
2021/12/14	01	1.8	0.2486	#N/A
2021/12/14	02	1.6	0.2691	#N/A
2021/12/14	03	1.4	0.3115	#N/A
2021/12/14	04	0.1	0.3753	#N/A
2021/12/14	05	0.3	0.4381	#N/A
2021/12/14	06	-1.2	0.4650	#N/A
2021/12/14	07	-0.9	0.4325	#N/A
2021/12/14	08	-1	0.3728	#N/A
2021/12/14	09	-0.7	0.3145	#N/A
2021/12/14	10	-0.2	0.2814	#N/A
2021/12/14	11	0.3	0.2638	#N/A
2021/12/14	12	0.7	0.2758	#N/A
2021/12/14	13	1.1	0.3048	#N/A
2021/12/14	14	1.3	0.3517	#N/A
2021/12/14	15	0.8	0.3759	#N/A
2021/12/14	16	-0.9	0.3859	#N/A
2021/12/14	17	-2	0.3818	#N/A
2021/12/14	18	-3.3	0.3791	#N/A
2021/12/14	19	-4.1	0.3741	#N/A
2021/12/14	20	-4.1	0.3546	#N/A
2021/12/14	21	-4.3	0.3325	#N/A
2021/12/14	22	-5	0.3131	#N/A
2021/12/14	23	-4.3	0.3092	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/15	00	-5.7	0.3125	#N/A
2021/12/15	01	-5	0.3268	#N/A
2021/12/15	02	-4.9	0.3490	#N/A
2021/12/15	03	-4.3	0.3940	#N/A
2021/12/15	04	-4.5	0.4535	#N/A
2021/12/15	05	-4.8	0.5071	#N/A
2021/12/15	06	-4.6	0.5266	#N/A
2021/12/15	07	-4.5	0.5042	#N/A
2021/12/15	08	-4.5	0.4702	#N/A
2021/12/15	09	-3.6	0.4472	#N/A
2021/12/15	10	-3	0.4363	#N/A
2021/12/15	11	-2.2	0.4304	#N/A
2021/12/15	12	-2.2	0.4223	#N/A
2021/12/15	13	-1.6	0.4236	#N/A
2021/12/15	14	-2.3	0.4209	#N/A
2021/12/15	15	-2	0.4098	#N/A
2021/12/15	16	-2.1	0.3942	#N/A
2021/12/15	17	-1.4	0.3811	#N/A
2021/12/15	18	-1.3	0.3691	#N/A
2021/12/15	19	-1.1	0.3522	#N/A
2021/12/15	20	-1.5	0.3239	#N/A
2021/12/15	21	-1	0.2954	#N/A
2021/12/15	22	-0.8	0.2701	#N/A
2021/12/15	23	-0.3	0.2609	#N/A
2021/12/16	00	-0.2	0.2594	#N/A
2021/12/16	01	-0.3	0.2632	#N/A
2021/12/16	02	0	0.3229	#N/A
2021/12/16	03	0.1	0.3575	#N/A
2021/12/16	04	0.1	0.3792	#N/A
2021/12/16	05	0.3	0.3199	#N/A
2021/12/16	06	0.9	0.2941	#N/A
2021/12/16	07	1.1	0.3088	#N/A
2021/12/16	08	1.2	0.3454	#N/A
2021/12/16	09	1.8	0.3449	#N/A
2021/12/16	10	3.6	0.2867	#N/A
2021/12/16	11	10.5	0.2512	#N/A
2021/12/16	12	14.5	0.2519	#N/A
2021/12/16	13	15.2	0.2796	#N/A
2021/12/16	14	14.6	0.2677	#N/A
2021/12/16	15	14.1	0.2425	#N/A
2021/12/16	16	13.6	0.2194	#N/A
2021/12/16	17	13.1	0.2247	#N/A
2021/12/16	18	13.7	0.2344	#N/A
2021/12/16	19	13.6	0.2327	#N/A
2021/12/16	20	14.2	0.2177	#N/A
2021/12/16	21	14	0.2209	#N/A
2021/12/16	22	12.9	0.2626	#N/A
2021/12/16	23	11.9	0.3015	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/17	00	9.4	0.3102	#N/A
2021/12/17	01	6.8	0.2772	#N/A
2021/12/17	02	6	0.2638	#N/A
2021/12/17	03	5.6	0.2731	#N/A
2021/12/17	04	5.2	0.3034	#N/A
2021/12/17	05	4.8	0.3184	#N/A
2021/12/17	06	5	0.3113	#N/A
2021/12/17	07	4.8	0.2831	#N/A
2021/12/17	08	4	0.2619	#N/A
2021/12/17	09	4.6	0.2651	#N/A
2021/12/17	10	4.4	0.2979	#N/A
2021/12/17	11	4.5	0.3331	#N/A
2021/12/17	12	4.7	0.3495	#N/A
2021/12/17	13	3.8	0.3568	#N/A
2021/12/17	14	3.2	0.3594	#N/A
2021/12/17	15	2.7	0.3730	#N/A
2021/12/17	16	1.7	0.3695	#N/A
2021/12/17	17	1.5	0.3603	#N/A
2021/12/17	18	1.4	0.3482	#N/A
2021/12/17	19	1	0.3402	#N/A
2021/12/17	20	0.4	0.3383	#N/A
2021/12/17	21	0	0.3269	#N/A
2021/12/17	22	-0.2	0.3186	#N/A
2021/12/17	23	-0.4	0.3076	#N/A
2021/12/18	00	-0.6	0.3074	#N/A
2021/12/18	01	-1.3	0.3169	#N/A
2021/12/18	02	-2.7	0.3339	#N/A
2021/12/18	03	-3	0.3620	#N/A
2021/12/18	04	-3.6	0.3999	#N/A
2021/12/18	05	-4.5	0.4497	#N/A
2021/12/18	06	-5.1	0.5006	#N/A
2021/12/18	07	-5.2	0.5413	#N/A
2021/12/18	08	-5.3	0.5510	#N/A
2021/12/18	09	-4.9	0.5383	#N/A
2021/12/18	10	-4.5	0.5080	#N/A
2021/12/18	11	-4.3	0.4822	#N/A
2021/12/18	12	-4.2	0.4630	#N/A
2021/12/18	13	-5.7	0.4552	#N/A
2021/12/18	14	-6	0.4537	#N/A
2021/12/18	15	-6.3	0.4518	#N/A
2021/12/18	16	-6.7	0.4413	#N/A
2021/12/18	17	-6.8	0.4302	#N/A
2021/12/18	18	-6.7	0.4211	#N/A
2021/12/18	19	-6.8	0.4198	#N/A
2021/12/18	20	-7	0.4108	#N/A
2021/12/18	21	-7.1	0.3949	#N/A
2021/12/18	22	-6.6	0.3723	#N/A
2021/12/18	23	-5.9	0.3559	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/19	00	-5.8	0.3537	#N/A
2021/12/19	01	-6.8	0.3658	#N/A
2021/12/19	02	-9.3	0.3879	#N/A
2021/12/19	03	-8.1	0.4169	#N/A
2021/12/19	04	-9	0.4543	#N/A
2021/12/19	05	-9.9	0.5068	#N/A
2021/12/19	06	-9	0.5623	#N/A
2021/12/19	07	-9.6	0.6058	#N/A
2021/12/19	08	-10.2	0.6130	#N/A
2021/12/19	09	-9.6	0.5783	#N/A
2021/12/19	10	-9.4	0.5189	#N/A
2021/12/19	11	-9.3	0.4622	#N/A
2021/12/19	12	-9	0.4291	#N/A
2021/12/19	13	-9.1	0.4211	#N/A
2021/12/19	14	-8.6	0.4459	#N/A
2021/12/19	15	-8.8	0.4861	#N/A
2021/12/19	16	-9	0.5157	#N/A
2021/12/19	17	-11	0.5236	#N/A
2021/12/19	18	-11	0.5254	#N/A
2021/12/19	19	-13.3	0.5364	#N/A
2021/12/19	20	-14.1	0.5420	#N/A
2021/12/19	21	-14.1	0.5289	#N/A
2021/12/19	22	-16.3	0.5045	#N/A
2021/12/19	23	-16.1	0.4888	#N/A
2021/12/20	00	-17.6	0.4899	#N/A
2021/12/20	01	-15.7	0.5103	#N/A
2021/12/20	02	-16.6	0.5299	#N/A
2021/12/20	03	-18	0.5546	#N/A
2021/12/20	04	-18.7	0.5885	#N/A
2021/12/20	05	-15.7	0.6342	#N/A
2021/12/20	06	-14.9	0.6748	#N/A
2021/12/20	07	-15.1	0.6840	#N/A
2021/12/20	08	-14.4	0.6675	#N/A
2021/12/20	09	-13.7	0.6356	#N/A
2021/12/20	10	-11.4	0.6021	#N/A
2021/12/20	11	-8.2	0.5695	#N/A
2021/12/20	12	-5.5	0.5375	#N/A
2021/12/20	13	-3.6	0.5154	#N/A
2021/12/20	14	-2.6	0.4972	#N/A
2021/12/20	15	-2	0.4855	#N/A
2021/12/20	16	-1.7	0.4660	#N/A
2021/12/20	17	-0.9	0.4445	#N/A
2021/12/20	18	-0.3	0.4256	#N/A
2021/12/20	19	0.7	0.4139	#N/A
2021/12/20	20	1	0.3990	#N/A
2021/12/20	21	1.1	0.3706	#N/A
2021/12/20	22	1.5	0.3377	#N/A
2021/12/20	23	0.9	0.3235	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/21	00	0.9	0.3383	#N/A
2021/12/21	01	1.4	0.3732	#N/A
2021/12/21	02	1.5	0.3943	#N/A
2021/12/21	03	0.7	0.3885	#N/A
2021/12/21	04	0.5	0.3663	#N/A
2021/12/21	05	-0.2	0.3639	#N/A
2021/12/21	06	-0.9	0.3857	#N/A
2021/12/21	07	-1.5	0.4154	#N/A
2021/12/21	08	-2.9	0.4181	#N/A
2021/12/21	09	-3.3	0.4010	#N/A
2021/12/21	10	-3.1	0.3964	#N/A
2021/12/21	11	-3.5	0.4185	#N/A
2021/12/21	12	-3.2	0.4300	#N/A
2021/12/21	13	-3.1	0.4117	#N/A
2021/12/21	14	-3.1	0.3922	#N/A
2021/12/21	15	-2.6	0.4138	#N/A
2021/12/21	16	-3.8	0.4608	#N/A
2021/12/21	17	-4.4	0.4741	#N/A
2021/12/21	18	-5	0.4489	#N/A
2021/12/21	19	-5.2	0.4119	#N/A
2021/12/21	20	-5.2	0.4022	#N/A
2021/12/21	21	-5.2	0.4092	#N/A
2021/12/21	22	-5.2	0.4016	#N/A
2021/12/21	23	-5.1	0.3870	#N/A
2021/12/22	00	-5.6	0.3853	#N/A
2021/12/22	01	-6.1	0.4235	#N/A
2021/12/22	02	-6.6	0.4608	#N/A
2021/12/22	03	-6.8	0.4654	#N/A
2021/12/22	04	-6.6	0.4522	#N/A
2021/12/22	05	-6.2	0.4548	#N/A
2021/12/22	06	-5.3	0.4789	#N/A
2021/12/22	07	-4.8	0.4886	#N/A
2021/12/22	08	-3.2	0.4756	#N/A
2021/12/22	09	-4.1	0.4529	#N/A
2021/12/22	10	-4.4	0.4370	#N/A
2021/12/22	11	-2.9	0.4339	#N/A
2021/12/22	12	0.4	0.4430	#N/A
2021/12/22	13	0	0.4553	#N/A
2021/12/22	14	-0.3	0.4686	#N/A
2021/12/22	15	-2	0.4776	#N/A
2021/12/22	16	-3.6	0.4847	#N/A
2021/12/22	17	-5.2	0.4909	#N/A
2021/12/22	18	-6.1	0.4989	#N/A
2021/12/22	19	-7	0.5026	#N/A
2021/12/22	20	-7.8	0.4939	#N/A
2021/12/22	21	-8.7	0.4722	#N/A
2021/12/22	22	-9.2	0.4572	#N/A
2021/12/22	23	-10.3	0.4526	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/23	00	-11.1	0.4638	#N/A
2021/12/23	01	-12.3	0.4791	#N/A
2021/12/23	02	-13	0.5066	#N/A
2021/12/23	03	-14.3	0.5501	#N/A
2021/12/23	04	-15	0.6081	#N/A
2021/12/23	05	-15.7	0.6568	#N/A
2021/12/23	06	-17.1	0.6774	#N/A
2021/12/23	07	-15.2	0.6503	#N/A
2021/12/23	08	-15.1	0.6055	#N/A
2021/12/23	09	-14.8	0.5699	#N/A
2021/12/23	10	-14.3	0.5552	#N/A
2021/12/23	11	-13.3	0.5467	#N/A
2021/12/23	12	-12.7	0.5309	#N/A
2021/12/23	13	-11.9	0.5310	#N/A
2021/12/23	14	-11	0.5436	#N/A
2021/12/23	15	-10.9	0.5518	#N/A
2021/12/23	16	-11.6	0.5471	#N/A
2021/12/23	17	-12.2	0.5401	#N/A
2021/12/23	18	-14	0.5366	#N/A
2021/12/23	19	-14.1	0.5317	#N/A
2021/12/23	20	-13.3	0.5079	#N/A
2021/12/23	21	-14	0.4749	#N/A
2021/12/23	22	-15.9	0.4460	#N/A
2021/12/23	23	-14	0.4397	#N/A
2021/12/24	00	-13.8	0.4523	#N/A
2021/12/24	01	-13.6	0.4772	#N/A
2021/12/24	02	-13.3	0.5066	#N/A
2021/12/24	03	-14.6	0.5547	#N/A
2021/12/24	04	-15.4	0.6122	#N/A
2021/12/24	05	-15	0.6676	#N/A
2021/12/24	06	-15.6	0.6933	#N/A
2021/12/24	07	-15.9	0.6709	#N/A
2021/12/24	08	-15.4	0.6198	#N/A
2021/12/24	09	-13.6	0.5646	#N/A
2021/12/24	10	-12.2	0.5295	#N/A
2021/12/24	11	-10.4	0.5118	#N/A
2021/12/24	12	-8.3	0.4980	#N/A
2021/12/24	13	-6.6	0.4915	#N/A
2021/12/24	14	-6.3	0.4881	#N/A
2021/12/24	15	-6	0.4768	#N/A
2021/12/24	16	-6.1	0.4560	#N/A
2021/12/24	17	-6.5	0.4360	#N/A
2021/12/24	18	-6.6	0.4279	#N/A
2021/12/24	19	-6.7	0.4245	#N/A
2021/12/24	20	-6.7	0.4100	#N/A
2021/12/24	21	-7.1	0.3884	#N/A
2021/12/24	22	-7.4	0.3680	#N/A
2021/12/24	23	-7.3	0.3573	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/25	00	-7.3	0.3593	#N/A
2021/12/25	01	-7.8	0.3661	#N/A
2021/12/25	02	-7.7	0.3808	#N/A
2021/12/25	03	-7.2	0.3993	#N/A
2021/12/25	04	-6.8	0.4048	#N/A
2021/12/25	05	-6.7	0.3975	#N/A
2021/12/25	06	-6.8	0.3914	#N/A
2021/12/25	07	-6.9	0.4174	#N/A
2021/12/25	08	-6.8	0.4414	#N/A
2021/12/25	09	-7	0.4365	#N/A
2021/12/25	10	-6.7	0.3896	#N/A
2021/12/25	11	-6.5	0.3622	#N/A
2021/12/25	12	-6	0.3750	#N/A
2021/12/25	13	-5.5	0.4113	#N/A
2021/12/25	14	-5.5	0.4182	#N/A
2021/12/25	15	-5.4	0.3942	#N/A
2021/12/25	16	-5	0.3573	#N/A
2021/12/25	17	-4.8	0.3483	#N/A
2021/12/25	18	-4.4	0.3636	#N/A
2021/12/25	19	-4.2	0.3866	#N/A
2021/12/25	20	-4.2	0.3911	#N/A
2021/12/25	21	-4	0.3834	#N/A
2021/12/25	22	-3.9	0.3883	#N/A
2021/12/25	23	-3.2	0.4093	#N/A
2021/12/26	00	-3	0.4195	#N/A
2021/12/26	01	-2.8	0.4094	#N/A
2021/12/26	02	-2.5	0.3945	#N/A
2021/12/26	03	-2.5	0.4031	#N/A
2021/12/26	04	-2.5	0.4307	#N/A
2021/12/26	05	-2.1	0.4467	#N/A
2021/12/26	06	-1.8	0.4361	#N/A
2021/12/26	07	-1.8	0.4111	#N/A
2021/12/26	08	-1.4	0.4026	#N/A
2021/12/26	09	-1.2	0.4044	#N/A
2021/12/26	10	-0.9	0.4159	#N/A
2021/12/26	11	-0.8	0.4134	#N/A
2021/12/26	12	-0.6	0.4161	#N/A
2021/12/26	13	-1.5	0.4206	#N/A
2021/12/26	14	-2.1	0.4366	#N/A
2021/12/26	15	-2	0.4502	#N/A
2021/12/26	16	-2.5	0.4585	#N/A
2021/12/26	17	-3.2	0.4649	#N/A
2021/12/26	18	-3.6	0.4701	#N/A
2021/12/26	19	-4.2	0.4720	#N/A
2021/12/26	20	-4.9	0.4620	#N/A
2021/12/26	21	-7.1	0.4458	#N/A
2021/12/26	22	-8.3	0.4317	#N/A
2021/12/26	23	-9.4	0.4362	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/27	00	-10.3	0.4546	#N/A
2021/12/27	01	-11.4	0.4811	#N/A
2021/12/27	02	-11.9	0.5079	#N/A
2021/12/27	03	-12.3	0.5469	#N/A
2021/12/27	04	-12.2	0.5962	#N/A
2021/12/27	05	-13.6	0.6406	#N/A
2021/12/27	06	-13.1	0.6639	#N/A
2021/12/27	07	-12.8	0.6611	#N/A
2021/12/27	08	-12.8	0.6472	#N/A
2021/12/27	09	-12.3	0.6242	#N/A
2021/12/27	10	-11.5	0.6068	#N/A
2021/12/27	11	-10.7	0.5883	#N/A
2021/12/27	12	-10.4	0.5779	#N/A
2021/12/27	13	-9.8	0.5676	#N/A
2021/12/27	14	-9.2	0.5646	#N/A
2021/12/27	15	-9.1	0.5561	#N/A
2021/12/27	16	-8.9	0.5427	#N/A
2021/12/27	17	-8.7	0.5291	#N/A
2021/12/27	18	-8.6	0.5195	#N/A
2021/12/27	19	-8.7	0.5087	#N/A
2021/12/27	20	-8.6	0.4780	#N/A
2021/12/27	21	-8.7	0.4414	#N/A
2021/12/27	22	-8.6	0.4110	#N/A
2021/12/27	23	-8.6	0.4041	#N/A
2021/12/28	00	-8.7	0.4122	#N/A
2021/12/28	01	-8.8	0.4258	#N/A
2021/12/28	02	-9.3	0.4397	#N/A
2021/12/28	03	-9.1	0.4684	#N/A
2021/12/28	04	-9.2	0.5126	#N/A
2021/12/28	05	-8.9	0.5568	#N/A
2021/12/28	06	-8.7	0.5751	#N/A
2021/12/28	07	-8.6	0.5671	#N/A
2021/12/28	08	-7.8	0.5445	#N/A
2021/12/28	09	-6.4	0.5208	#N/A
2021/12/28	10	-5.2	0.4862	#N/A
2021/12/28	11	-3.9	0.4633	#N/A
2021/12/28	12	-2.8	0.4533	#N/A
2021/12/28	13	-2.4	0.4587	#N/A
2021/12/28	14	-2.6	0.4543	#N/A
2021/12/28	15	-3.7	0.4392	#N/A
2021/12/28	16	-3	0.4231	#N/A
2021/12/28	17	-2.6	0.4140	#N/A
2021/12/28	18	-2.2	0.4066	#N/A
2021/12/28	19	-2.3	0.3961	#N/A
2021/12/28	20	-2.9	0.3822	#N/A
2021/12/28	21	-2.9	0.3646	#N/A
2021/12/28	22	-3.1	0.3528	#N/A
2021/12/28	23	-2.8	0.3485	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/29	00	-3.4	0.3575	#N/A
2021/12/29	01	-3.9	0.3730	#N/A
2021/12/29	02	-4	0.3977	#N/A
2021/12/29	03	-4	0.4358	#N/A
2021/12/29	04	-4	0.4874	#N/A
2021/12/29	05	-4.1	0.5188	#N/A
2021/12/29	06	-4.4	0.5063	#N/A
2021/12/29	07	-4.5	0.4527	#N/A
2021/12/29	08	-4.5	0.4159	#N/A
2021/12/29	09	-4.3	0.4261	#N/A
2021/12/29	10	-4	0.4672	#N/A
2021/12/29	11	-3.6	0.4787	#N/A
2021/12/29	12	-3.3	0.4532	#N/A
2021/12/29	13	-2.9	0.4132	#N/A
2021/12/29	14	-2.7	0.4149	#N/A
2021/12/29	15	-2.7	0.4427	#N/A
2021/12/29	16	-3.7	0.4631	#N/A
2021/12/29	17	-4.6	0.4572	#N/A
2021/12/29	18	-5.4	0.4500	#N/A
2021/12/29	19	-6.3	0.4594	#N/A
2021/12/29	20	-6.4	0.4709	#N/A
2021/12/29	21	-5.9	0.4656	#N/A
2021/12/29	22	-5.7	0.4550	#N/A
2021/12/29	23	-5.4	0.4471	#N/A
2021/12/30	00	-5.8	0.4432	#N/A
2021/12/30	01	-5.7	0.4349	#N/A
2021/12/30	02	-5.7	0.4208	#N/A
2021/12/30	03	-5.7	0.4141	#N/A
2021/12/30	04	-5.8	0.4194	#N/A
2021/12/30	05	-5.6	0.4291	#N/A
2021/12/30	06	-5.5	0.4175	#N/A
2021/12/30	07	-5.6	0.3965	#N/A
2021/12/30	08	-5.5	0.3802	#N/A
2021/12/30	09	-5.3	0.3808	#N/A
2021/12/30	10	-4.6	0.3799	#N/A
2021/12/30	11	-3.9	0.3717	#N/A
2021/12/30	12	-3	0.3640	#N/A
2021/12/30	13	-1.8	0.3695	#N/A
2021/12/30	14	-1	0.3748	#N/A
2021/12/30	15	-1	0.3709	#N/A
2021/12/30	16	-1.1	0.3626	#N/A
2021/12/30	17	-1.4	0.3555	#N/A
2021/12/30	18	-1.6	0.3526	#N/A
2021/12/30	19	-2	0.3346	#N/A
2021/12/30	20	-2.4	0.3161	#N/A
2021/12/30	21	-2.4	0.3004	#N/A
2021/12/30	22	-3.1	0.2964	#N/A
2021/12/30	23	-4.3	0.2977	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2021/12/31	00	-4.9	0.3070	#N/A
2021/12/31	01	-4.9	0.3239	#N/A
2021/12/31	02	-6.5	0.3564	#N/A
2021/12/31	03	-4.3	0.3986	#N/A
2021/12/31	04	-4.2	0.4394	#N/A
2021/12/31	05	-4.2	0.4609	#N/A
2021/12/31	06	-4	0.4615	#N/A
2021/12/31	07	-4.1	0.4487	#N/A
2021/12/31	08	-3.9	0.4294	#N/A
2021/12/31	09	-3.6	0.4196	#N/A
2021/12/31	10	-3	0.4111	#N/A
2021/12/31	11	-2.6	0.4093	#N/A
2021/12/31	12	-2.5	0.4016	0.3819
2021/12/31	13	-1.8	0.4005	0.3808
2021/12/31	14	-1.6	0.3891	0.3852
2021/12/31	15	-1.5	0.3751	0.3943
2021/12/31	16	-1.5	0.3569	0.3871
2021/12/31	17	-1.4	0.3452	0.3692
2021/12/31	18	-1.5	0.3370	0.3505
2021/12/31	19	-1.5	0.3223	0.3390
2021/12/31	20	-1.6	0.3066	0.3219
2021/12/31	21	-1.5	0.2904	0.3054
2021/12/31	22	-1.7	0.2844	0.2912
2021/12/31	23	-1.7	0.2848	0.2822
2022/01/01	00	-1.6	0.2900	0.2822
2022/01/01	01	-1.8	0.2989	0.2885
2022/01/01	02	-1.8	0.3228	0.3037
2022/01/01	03	-1.9	0.3569	0.3174
2022/01/01	04	-1.8	0.3968	0.3423
2022/01/01	05	-1.7	0.4244	0.3738
2022/01/01	06	-1.5	0.4280	0.4034
2022/01/01	07	-1.4	0.4132	0.4188
2022/01/01	08	-1.2	0.3985	0.4204
2022/01/01	09	-1	0.3918	0.4043
2022/01/01	10	-0.8	0.3922	0.3933
2022/01/01	11	-0.4	0.3984	0.3807
2022/01/01	12	0.2	0.4101	#N/A
2022/01/01	13	0.8	0.4275	#N/A
2022/01/01	14	0.8	0.4362	#N/A
2022/01/01	15	1.2	0.4441	#N/A
2022/01/01	16	1.2	0.4517	#N/A
2022/01/01	17	-0.3	0.4595	#N/A
2022/01/01	18	-1.7	0.4632	#N/A
2022/01/01	19	-2.3	0.4500	#N/A
2022/01/01	20	-2.5	0.4305	#N/A
2022/01/01	21	-3	0.4168	#N/A
2022/01/01	22	-4.3	0.4177	#N/A
2022/01/01	23	-5.5	0.4312	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/02	00	-7	0.4502	#N/A
2022/01/02	01	-8.3	0.4759	#N/A
2022/01/02	02	-8.8	0.5161	#N/A
2022/01/02	03	-9.4	0.5637	#N/A
2022/01/02	04	-9.8	0.6178	#N/A
2022/01/02	05	-10.3	0.6597	#N/A
2022/01/02	06	-10.6	0.6789	#N/A
2022/01/02	07	-11.6	0.6679	#N/A
2022/01/02	08	-11.6	0.6192	#N/A
2022/01/02	09	-11.9	0.5440	#N/A
2022/01/02	10	-11.9	0.4819	#N/A
2022/01/02	11	-11.6	0.4857	#N/A
2022/01/02	12	-11.1	0.5505	#N/A
2022/01/02	13	-10.6	0.5912	#N/A
2022/01/02	14	-10.5	0.6112	#N/A
2022/01/02	15	-10.5	0.6260	#N/A
2022/01/02	16	-10.6	0.6982	#N/A
2022/01/02	17	-11	0.7372	#N/A
2022/01/02	18	-11.3	0.7220	#N/A
2022/01/02	19	-11.7	0.6638	#N/A
2022/01/02	20	-12.7	0.6359	#N/A
2022/01/02	21	-13.7	0.6523	#N/A
2022/01/02	22	-15	0.6751	#N/A
2022/01/02	23	-15.4	0.6641	#N/A
2022/01/03	00	-15.9	0.6312	#N/A
2022/01/03	01	-16.6	0.6045	#N/A
2022/01/03	02	-17.8	0.6033	#N/A
2022/01/03	03	-17.4	0.6061	#N/A
2022/01/03	04	-18	0.6049	#N/A
2022/01/03	05	-18.1	0.6056	#N/A
2022/01/03	06	-19.1	0.6106	#N/A
2022/01/03	07	-18.5	0.5992	#N/A
2022/01/03	08	-18.8	0.5741	#N/A
2022/01/03	09	-18.3	0.5582	#N/A
2022/01/03	10	-16.8	0.5751	#N/A
2022/01/03	11	-15.8	0.5908	#N/A
2022/01/03	12	-14.7	0.5911	#N/A
2022/01/03	13	-13.6	0.5776	#N/A
2022/01/03	14	-13.1	0.5779	#N/A
2022/01/03	15	-12.8	0.5833	#N/A
2022/01/03	16	-13.1	0.5877	#N/A
2022/01/03	17	-14.9	0.5839	#N/A
2022/01/03	18	-15	0.5688	#N/A
2022/01/03	19	-16.3	0.5370	#N/A
2022/01/03	20	-15.6	0.4969	#N/A
2022/01/03	21	-16.4	0.4715	#N/A
2022/01/03	22	-16	0.4636	#N/A
2022/01/03	23	-16.9	0.4730	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/04	00	-16	0.4853	#N/A
2022/01/04	01	-14.4	0.5020	#N/A
2022/01/04	02	-13.8	0.5303	#N/A
2022/01/04	03	-13.2	0.5683	#N/A
2022/01/04	04	-12.2	0.6041	#N/A
2022/01/04	05	-11.2	0.6154	#N/A
2022/01/04	06	-9.7	0.6011	#N/A
2022/01/04	07	-8.3	0.5760	#N/A
2022/01/04	08	-7.6	0.5456	#N/A
2022/01/04	09	-7	0.5149	#N/A
2022/01/04	10	-6.7	0.4871	#N/A
2022/01/04	11	-5.6	0.4704	#N/A
2022/01/04	12	-4.5	0.4645	#N/A
2022/01/04	13	-3.7	0.4622	#N/A
2022/01/04	14	-3.3	0.4532	#N/A
2022/01/04	15	-2.5	0.4386	#N/A
2022/01/04	16	-2.5	0.4248	#N/A
2022/01/04	17	-2.8	0.4143	#N/A
2022/01/04	18	-3.5	0.4030	#N/A
2022/01/04	19	-3.5	0.3800	#N/A
2022/01/04	20	-2.8	0.3520	#N/A
2022/01/04	21	-1.4	0.3312	#N/A
2022/01/04	22	-1.5	0.3245	#N/A
2022/01/04	23	-1.5	0.3310	#N/A
2022/01/05	00	-2.6	0.3404	#N/A
2022/01/05	01	-3.2	0.3585	#N/A
2022/01/05	02	-3.7	0.3970	#N/A
2022/01/05	03	-3.7	0.4489	#N/A
2022/01/05	04	-4.4	0.4990	#N/A
2022/01/05	05	-4.9	0.5193	#N/A
2022/01/05	06	-5.5	0.5079	#N/A
2022/01/05	07	-6	0.4787	#N/A
2022/01/05	08	-6.4	0.4463	#N/A
2022/01/05	09	-6.2	0.4245	#N/A
2022/01/05	10	-4.9	0.4073	#N/A
2022/01/05	11	-3.8	0.3980	#N/A
2022/01/05	12	-3.1	0.3972	#N/A
2022/01/05	13	-2	0.4005	#N/A
2022/01/05	14	-0.5	0.3972	#N/A
2022/01/05	15	-0.4	0.3850	#N/A
2022/01/05	16	2.9	0.3702	#N/A
2022/01/05	17	2.4	0.3637	#N/A
2022/01/05	18	2.3	0.3533	#N/A
2022/01/05	19	1.6	0.3316	#N/A
2022/01/05	20	1.1	0.3061	#N/A
2022/01/05	21	1.2	0.2844	#N/A
2022/01/05	22	1.8	0.2822	#N/A
2022/01/05	23	0.8	0.2899	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/06	00	0.7	0.3116	#N/A
2022/01/06	01	0.4	0.3479	#N/A
2022/01/06	02	-0.8	0.4037	#N/A
2022/01/06	03	-2.2	0.4763	#N/A
2022/01/06	04	-3.5	0.5446	#N/A
2022/01/06	05	-3.8	0.5859	#N/A
2022/01/06	06	-3.9	0.5889	#N/A
2022/01/06	07	-4.2	0.5698	#N/A
2022/01/06	08	-3.8	0.5461	#N/A
2022/01/06	09	-3.8	0.5246	#N/A
2022/01/06	10	-5.6	0.5157	#N/A
2022/01/06	11	-7.3	0.5239	#N/A
2022/01/06	12	-7.9	0.5465	#N/A
2022/01/06	13	-7.7	0.5723	#N/A
2022/01/06	14	-7.8	0.5864	#N/A
2022/01/06	15	-8.2	0.5999	#N/A
2022/01/06	16	-9.3	0.6237	#N/A
2022/01/06	17	-10.2	0.6476	#N/A
2022/01/06	18	-10.7	0.6404	#N/A
2022/01/06	19	-11.8	0.6035	#N/A
2022/01/06	20	-12.5	0.5781	#N/A
2022/01/06	21	-12.4	0.5818	#N/A
2022/01/06	22	-13.9	0.5938	#N/A
2022/01/06	23	-13	0.5840	#N/A
2022/01/07	00	-12.2	0.5658	#N/A
2022/01/07	01	-12.2	0.5435	#N/A
2022/01/07	02	-11.7	0.5368	#N/A
2022/01/07	03	-11.4	0.5444	#N/A
2022/01/07	04	-11.3	0.5726	#N/A
2022/01/07	05	-11.5	0.5994	#N/A
2022/01/07	06	-11.7	0.6022	#N/A
2022/01/07	07	-11.7	0.5775	#N/A
2022/01/07	08	-11.7	0.5654	#N/A
2022/01/07	09	-11.9	0.5871	#N/A
2022/01/07	10	-12.4	0.6261	#N/A
2022/01/07	11	-10.9	0.6378	#N/A
2022/01/07	12	-11.2	0.6294	#N/A
2022/01/07	13	-10.6	0.6201	#N/A
2022/01/07	14	-10.9	0.6377	#N/A
2022/01/07	15	-11.6	0.6640	#N/A
2022/01/07	16	-12.4	0.6753	#N/A
2022/01/07	17	-14	0.6719	#N/A
2022/01/07	18	-14.5	0.6688	#N/A
2022/01/07	19	-14.8	0.7034	#N/A
2022/01/07	20	-15.2	0.7270	#N/A
2022/01/07	21	-15.9	0.7098	#N/A
2022/01/07	22	-16.7	0.6475	#N/A
2022/01/07	23	-17.2	0.5983	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/08	00	-17.9	0.5928	#N/A
2022/01/08	01	-18.5	0.6146	#N/A
2022/01/08	02	-19.1	0.6413	#N/A
2022/01/08	03	-19.4	0.6717	#N/A
2022/01/08	04	-20.1	0.7125	#N/A
2022/01/08	05	-21.3	0.7641	#N/A
2022/01/08	06	-21.2	0.8211	#N/A
2022/01/08	07	-21.8	0.8642	#N/A
2022/01/08	08	-22.4	0.8636	#N/A
2022/01/08	09	-21	0.8180	#N/A
2022/01/08	10	-19.2	0.7468	#N/A
2022/01/08	11	-17.8	0.6762	#N/A
2022/01/08	12	-15.8	0.6468	#N/A
2022/01/08	13	-13.9	0.6420	#N/A
2022/01/08	14	-13.6	0.6671	#N/A
2022/01/08	15	-13.4	0.6742	#N/A
2022/01/08	16	-14.3	0.6670	#N/A
2022/01/08	17	-14.1	0.6423	#N/A
2022/01/08	18	-14.1	0.6213	#N/A
2022/01/08	19	-14	0.6047	#N/A
2022/01/08	20	-14.5	0.5883	#N/A
2022/01/08	21	-14.3	0.5532	#N/A
2022/01/08	22	-13.8	0.5072	#N/A
2022/01/08	23	-13.4	0.4725	#N/A
2022/01/09	00	-12.8	0.4587	#N/A
2022/01/09	01	-11.9	0.4653	#N/A
2022/01/09	02	-10.6	0.4769	#N/A
2022/01/09	03	-10.6	0.4923	#N/A
2022/01/09	04	-9.8	0.5183	#N/A
2022/01/09	05	-8.9	0.5559	#N/A
2022/01/09	06	-7.8	0.5947	#N/A
2022/01/09	07	-7	0.6209	#N/A
2022/01/09	08	-6.1	0.6187	#N/A
2022/01/09	09	-2.3	0.5946	#N/A
2022/01/09	10	-1.3	0.5586	#N/A
2022/01/09	11	0.2	0.5213	#N/A
2022/01/09	12	0.5	0.4970	#N/A
2022/01/09	13	1.4	0.4767	#N/A
2022/01/09	14	1.6	0.4687	#N/A
2022/01/09	15	2	0.4724	#N/A
2022/01/09	16	1.2	0.4783	#N/A
2022/01/09	17	0.5	0.4859	#N/A
2022/01/09	18	0.1	0.4886	#N/A
2022/01/09	19	-0.9	0.4907	#N/A
2022/01/09	20	-2.8	0.4922	#N/A
2022/01/09	21	-4.3	0.4742	#N/A
2022/01/09	22	-5.8	0.4536	#N/A
2022/01/09	23	-6.8	0.4339	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/10	00	-8.3	0.4354	#N/A
2022/01/10	01	-9.6	0.4584	#N/A
2022/01/10	02	-10.8	0.4952	#N/A
2022/01/10	03	-11.9	0.5447	#N/A
2022/01/10	04	-13.9	0.6055	#N/A
2022/01/10	05	-14.1	0.6765	#N/A
2022/01/10	06	-13.1	0.7402	#N/A
2022/01/10	07	-12.7	0.7700	#N/A
2022/01/10	08	-13.4	0.7489	#N/A
2022/01/10	09	-12.7	0.6887	#N/A
2022/01/10	10	-12.5	0.6223	#N/A
2022/01/10	11	-12.3	0.5759	#N/A
2022/01/10	12	-12.1	0.5529	#N/A
2022/01/10	13	-12.3	0.5587	#N/A
2022/01/10	14	-12.1	0.5850	#N/A
2022/01/10	15	-12.2	0.6272	#N/A
2022/01/10	16	-13	0.6567	#N/A
2022/01/10	17	-14	0.6708	#N/A
2022/01/10	18	-14.9	0.6849	#N/A
2022/01/10	19	-15.2	0.6969	#N/A
2022/01/10	20	-16.4	0.7074	#N/A
2022/01/10	21	-17.6	0.6898	#N/A
2022/01/10	22	-18.6	0.6875	#N/A
2022/01/10	23	-20	0.6978	#N/A
2022/01/11	00	-21.3	0.7121	#N/A
2022/01/11	01	-22.4	0.6918	#N/A
2022/01/11	02	-23.3	0.6762	#N/A
2022/01/11	03	-24	0.6916	#N/A
2022/01/11	04	-24.7	0.7339	#N/A
2022/01/11	05	-25.3	0.7557	#N/A
2022/01/11	06	-25.6	0.7559	#N/A
2022/01/11	07	-26.4	0.7419	#N/A
2022/01/11	08	-26.5	0.7374	#N/A
2022/01/11	09	-25.7	0.7369	#N/A
2022/01/11	10	-25	0.7399	#N/A
2022/01/11	11	-24.2	0.7297	#N/A
2022/01/11	12	-23	0.7234	#N/A
2022/01/11	13	-22.2	0.7545	#N/A
2022/01/11	14	-21.2	0.7969	#N/A
2022/01/11	15	-20.6	0.8010	#N/A
2022/01/11	16	-20.3	0.7307	#N/A
2022/01/11	17	-20.3	0.6763	#N/A
2022/01/11	18	-21.6	0.6998	#N/A
2022/01/11	19	-19.7	0.7903	#N/A
2022/01/11	20	-19	0.8248	#N/A
2022/01/11	21	-18.4	0.7715	#N/A
2022/01/11	22	-17.7	0.6784	#N/A
2022/01/11	23	-15.9	0.6434	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/12	00	-15.1	0.6694	#N/A
2022/01/12	01	-15.8	0.7024	#N/A
2022/01/12	02	-16	0.6988	#N/A
2022/01/12	03	-15.9	0.6722	#N/A
2022/01/12	04	-16	0.6651	#N/A
2022/01/12	05	-15.5	0.6854	#N/A
2022/01/12	06	-14.7	0.7125	#N/A
2022/01/12	07	-13.8	0.7214	#N/A
2022/01/12	08	-12.4	0.6991	#N/A
2022/01/12	09	-12.3	0.6646	#N/A
2022/01/12	10	-11.3	0.6182	#N/A
2022/01/12	11	-10.7	0.5795	#N/A
2022/01/12	12	-10.8	0.5524	#N/A
2022/01/12	13	-9.7	0.5379	#N/A
2022/01/12	14	-10.2	0.5404	#N/A
2022/01/12	15	-9.4	0.5418	#N/A
2022/01/12	16	-8	0.5408	#N/A
2022/01/12	17	-7.2	0.5327	#N/A
2022/01/12	18	-6.8	0.5237	#N/A
2022/01/12	19	-6.7	0.5161	#N/A
2022/01/12	20	-6.8	0.5066	#N/A
2022/01/12	21	-6.8	0.4809	#N/A
2022/01/12	22	-6.8	0.4550	#N/A
2022/01/12	23	-7.1	0.4338	#N/A
2022/01/13	00	-6.9	0.4341	#N/A
2022/01/13	01	-7.4	0.4472	#N/A
2022/01/13	02	-7.8	0.4681	#N/A
2022/01/13	03	-7.9	0.4971	#N/A
2022/01/13	04	-8	0.5405	#N/A
2022/01/13	05	-8.1	0.5955	#N/A
2022/01/13	06	-8.4	0.6421	#N/A
2022/01/13	07	-9.2	0.6613	#N/A
2022/01/13	08	-9.6	0.6443	#N/A
2022/01/13	09	-9.8	0.6065	#N/A
2022/01/13	10	-9.5	0.5588	#N/A
2022/01/13	11	-9	0.5204	#N/A
2022/01/13	12	-8.6	0.4993	#N/A
2022/01/13	13	-7.8	0.4996	#N/A
2022/01/13	14	-7.7	0.5077	#N/A
2022/01/13	15	-7.5	0.5212	#N/A
2022/01/13	16	-7.6	0.5242	#N/A
2022/01/13	17	-7.5	0.5161	#N/A
2022/01/13	18	-7.4	0.5022	#N/A
2022/01/13	19	-7.4	0.4884	#N/A
2022/01/13	20	-7.5	0.4770	#N/A
2022/01/13	21	-7.5	0.4529	#N/A
2022/01/13	22	-7.6	0.4208	#N/A
2022/01/13	23	-7.4	0.3996	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/14	00	-7.4	0.3979	#N/A
2022/01/14	01	-7.2	0.4226	#N/A
2022/01/14	02	-7	0.4599	#N/A
2022/01/14	03	-7.1	0.5069	#N/A
2022/01/14	04	-7.1	0.5742	#N/A
2022/01/14	05	-8.9	0.6544	#N/A
2022/01/14	06	-10.3	0.7338	#N/A
2022/01/14	07	-13	0.7764	#N/A
2022/01/14	08	-15	0.7676	#N/A
2022/01/14	09	-16.4	0.7236	#N/A
2022/01/14	10	-16.7	0.6693	#N/A
2022/01/14	11	-17.2	0.6280	#N/A
2022/01/14	12	-17.3	0.6035	#N/A
2022/01/14	13	-16.8	0.6009	#N/A
2022/01/14	14	-16.8	0.6243	#N/A
2022/01/14	15	-16.9	0.6714	#N/A
2022/01/14	16	-17.1	0.7114	#N/A
2022/01/14	17	-18.3	0.7316	#N/A
2022/01/14	18	-19.3	0.7329	#N/A
2022/01/14	19	-19.9	0.7332	#N/A
2022/01/14	20	-20.5	0.7273	#N/A
2022/01/14	21	-21.1	0.7041	#N/A
2022/01/14	22	-21.7	0.6703	#N/A
2022/01/14	23	-22.4	0.6562	#N/A
2022/01/15	00	-23.1	0.6726	#N/A
2022/01/15	01	-23.7	0.7075	#N/A
2022/01/15	02	-24.2	0.7336	#N/A
2022/01/15	03	-25.2	0.7416	#N/A
2022/01/15	04	-25.3	0.7416	#N/A
2022/01/15	05	-25.9	0.7503	#N/A
2022/01/15	06	-26.5	0.7665	#N/A
2022/01/15	07	-26.6	0.7782	#N/A
2022/01/15	08	-26.6	0.7971	#N/A
2022/01/15	09	-25.8	0.8061	#N/A
2022/01/15	10	-25	0.7931	#N/A
2022/01/15	11	-23.9	0.7466	#N/A
2022/01/15	12	-22.6	0.6920	#N/A
2022/01/15	13	-21.5	0.6631	#N/A
2022/01/15	14	-20.2	0.6664	#N/A
2022/01/15	15	-20	0.7009	#N/A
2022/01/15	16	-20.9	0.7361	#N/A
2022/01/15	17	-22.1	0.7558	#N/A
2022/01/15	18	-21.9	0.7584	#N/A
2022/01/15	19	-23.3	0.7607	#N/A
2022/01/15	20	-23.1	0.7599	#N/A
2022/01/15	21	-23.8	0.7449	#N/A
2022/01/15	22	-23.2	0.7191	#N/A
2022/01/15	23	-25	0.6990	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/16	00	-25.8	0.7074	#N/A
2022/01/16	01	-25	0.7373	#N/A
2022/01/16	02	-26.4	0.7757	#N/A
2022/01/16	03	-25.4	0.8082	#N/A
2022/01/16	04	-27.5	0.8438	#N/A
2022/01/16	05	-25.1	0.8877	#N/A
2022/01/16	06	-26.7	0.9382	#N/A
2022/01/16	07	-26.3	0.9721	#N/A
2022/01/16	08	-26.4	0.9755	#N/A
2022/01/16	09	-24.1	0.9354	#N/A
2022/01/16	10	-21.8	0.8545	#N/A
2022/01/16	11	-19.2	0.7567	#N/A
2022/01/16	12	-17.4	0.6678	#N/A
2022/01/16	13	-16.1	0.6202	#N/A
2022/01/16	14	-15.2	0.6152	#N/A
2022/01/16	15	-14.9	0.6483	#N/A
2022/01/16	16	-14.6	0.6837	#N/A
2022/01/16	17	-17.3	0.6979	#N/A
2022/01/16	18	-17.7	0.6942	#N/A
2022/01/16	19	-17.4	0.6835	#N/A
2022/01/16	20	-17.7	0.6701	#N/A
2022/01/16	21	-17.4	0.6357	#N/A
2022/01/16	22	-17.6	0.5893	#N/A
2022/01/16	23	-17.2	0.5517	#N/A
2022/01/17	00	-16.5	0.5404	#N/A
2022/01/17	01	-16	0.5541	#N/A
2022/01/17	02	-15.6	0.5718	#N/A
2022/01/17	03	-14.6	0.5909	#N/A
2022/01/17	04	-12.5	0.6236	#N/A
2022/01/17	05	-11.3	0.6716	#N/A
2022/01/17	06	-8.8	0.7193	#N/A
2022/01/17	07	-8.3	0.7307	#N/A
2022/01/17	08	-6.3	0.7132	#N/A
2022/01/17	09	-7	0.6750	#N/A
2022/01/17	10	-5.8	0.6425	#N/A
2022/01/17	11	-5.7	0.6102	#N/A
2022/01/17	12	-5.3	0.5779	#N/A
2022/01/17	13	-4.5	0.5553	#N/A
2022/01/17	14	-4.9	0.5461	#N/A
2022/01/17	15	-4.7	0.5600	#N/A
2022/01/17	16	-6	0.5631	#N/A
2022/01/17	17	-7.1	0.5634	#N/A
2022/01/17	18	-7	0.5539	#N/A
2022/01/17	19	-6.6	0.5489	#N/A
2022/01/17	20	-7.2	0.5354	#N/A
2022/01/17	21	-7.5	0.5011	#N/A
2022/01/17	22	-7.3	0.4647	#N/A
2022/01/17	23	-8.2	0.4404	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/18	00	-9.1	0.4424	#N/A
2022/01/18	01	-10.1	0.4650	#N/A
2022/01/18	02	-10.1	0.4968	#N/A
2022/01/18	03	-10	0.5313	#N/A
2022/01/18	04	-11.1	0.5796	#N/A
2022/01/18	05	-12.2	0.6449	#N/A
2022/01/18	06	-13.7	0.7166	#N/A
2022/01/18	07	-14.9	0.7529	#N/A
2022/01/18	08	-15.6	0.7264	#N/A
2022/01/18	09	-15.5	0.6646	#N/A
2022/01/18	10	-15.5	0.5953	#N/A
2022/01/18	11	-15.7	0.5470	#N/A
2022/01/18	12	-15.5	0.5162	#N/A
2022/01/18	13	-14.9	0.5074	#N/A
2022/01/18	14	-14.8	0.5300	#N/A
2022/01/18	15	-15.1	0.5808	#N/A
2022/01/18	16	-15.8	0.6285	#N/A
2022/01/18	17	-16.3	0.6567	#N/A
2022/01/18	18	-17.1	0.6646	#N/A
2022/01/18	19	-18.9	0.6683	#N/A
2022/01/18	20	-19.2	0.6577	#N/A
2022/01/18	21	-20	0.6250	#N/A
2022/01/18	22	-19.6	0.5893	#N/A
2022/01/18	23	-19.4	0.5738	#N/A
2022/01/19	00	-17.4	0.5686	#N/A
2022/01/19	01	-16.6	0.5561	#N/A
2022/01/19	02	-17.2	0.5492	#N/A
2022/01/19	03	-16.7	0.5539	#N/A
2022/01/19	04	-16.2	0.5679	#N/A
2022/01/19	05	-15.9	0.5693	#N/A
2022/01/19	06	-15.5	0.5693	#N/A
2022/01/19	07	-15.4	0.5782	#N/A
2022/01/19	08	-15.5	0.5948	#N/A
2022/01/19	09	-15	0.6014	#N/A
2022/01/19	10	-14.6	0.5942	#N/A
2022/01/19	11	-13.8	0.5761	#N/A
2022/01/19	12	-13.2	0.5797	#N/A
2022/01/19	13	-13.1	0.6112	#N/A
2022/01/19	14	-12.3	0.6436	#N/A
2022/01/19	15	-12.2	0.6268	#N/A
2022/01/19	16	-11.3	0.5827	#N/A
2022/01/19	17	-10.4	0.5711	#N/A
2022/01/19	18	-10.1	0.6227	#N/A
2022/01/19	19	-10.3	0.6735	#N/A
2022/01/19	20	-7.2	0.6696	#N/A
2022/01/19	21	-5.4	0.6249	#N/A
2022/01/19	22	-3.9	0.5949	#N/A
2022/01/19	23	-7.3	0.6088	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/20	00	-10.1	0.6352	#N/A
2022/01/20	01	-12.2	0.6425	#N/A
2022/01/20	02	-13.9	0.6387	#N/A
2022/01/20	03	-16	0.6621	#N/A
2022/01/20	04	-17.3	0.7258	#N/A
2022/01/20	05	-18.2	0.7977	#N/A
2022/01/20	06	-19.7	0.8310	#N/A
2022/01/20	07	-20.2	0.8082	#N/A
2022/01/20	08	-20.9	0.7492	#N/A
2022/01/20	09	-20.5	0.6821	#N/A
2022/01/20	10	-19.9	0.6311	#N/A
2022/01/20	11	-19.3	0.5938	#N/A
2022/01/20	12	-18.5	0.5773	#N/A
2022/01/20	13	-17.9	0.5940	#N/A
2022/01/20	14	-17.9	0.6443	#N/A
2022/01/20	15	-17.8	0.6912	#N/A
2022/01/20	16	-18.9	0.7149	#N/A
2022/01/20	17	-19.5	0.7119	#N/A
2022/01/20	18	-21.1	0.7140	#N/A
2022/01/20	19	-20.1	0.7110	#N/A
2022/01/20	20	-21.9	0.6934	#N/A
2022/01/20	21	-23.7	0.6665	#N/A
2022/01/20	22	-22	0.6562	#N/A
2022/01/20	23	-23.4	0.6750	#N/A
2022/01/21	00	-24.8	0.7127	#N/A
2022/01/21	01	-24.8	0.7548	#N/A
2022/01/21	02	-24.7	0.7976	#N/A
2022/01/21	03	-25.2	0.8481	#N/A
2022/01/21	04	-25.9	0.9103	#N/A
2022/01/21	05	-26.8	0.9760	#N/A
2022/01/21	06	-26.5	1.0074	#N/A
2022/01/21	07	-27.7	0.9825	#N/A
2022/01/21	08	-27.9	0.9127	#N/A
2022/01/21	09	-27.6	0.8262	#N/A
2022/01/21	10	-23.4	0.7523	#N/A
2022/01/21	11	-21.8	0.6938	#N/A
2022/01/21	12	-20.5	0.6611	#N/A
2022/01/21	13	-19.4	0.6580	#N/A
2022/01/21	14	-18.6	0.6873	#N/A
2022/01/21	15	-18.1	0.7219	#N/A
2022/01/21	16	-18.2	0.7403	#N/A
2022/01/21	17	-19.1	0.7441	#N/A
2022/01/21	18	-20.5	0.7435	#N/A
2022/01/21	19	-21.8	0.7441	#N/A
2022/01/21	20	-22.8	0.7219	#N/A
2022/01/21	21	-23.5	0.6934	#N/A
2022/01/21	22	-24	0.6763	#N/A
2022/01/21	23	-24.3	0.6889	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/22	00	-25.9	0.7201	#N/A
2022/01/22	01	-26.7	0.7548	#N/A
2022/01/22	02	-27.9	0.7899	#N/A
2022/01/22	03	-27.1	0.8231	#N/A
2022/01/22	04	-27	0.8575	#N/A
2022/01/22	05	-29.1	0.8859	#N/A
2022/01/22	06	-27.9	0.9042	#N/A
2022/01/22	07	-28.4	0.9025	#N/A
2022/01/22	08	-29.2	0.8722	#N/A
2022/01/22	09	-27.1	0.8293	#N/A
2022/01/22	10	-24	0.7820	#N/A
2022/01/22	11	-21.9	0.7456	#N/A
2022/01/22	12	-20.1	0.7217	#N/A
2022/01/22	13	-18.9	0.7099	#N/A
2022/01/22	14	-18.1	0.7089	#N/A
2022/01/22	15	-17.7	0.6992	#N/A
2022/01/22	16	-17.4	0.6799	#N/A
2022/01/22	17	-16.8	0.6598	#N/A
2022/01/22	18	-17.1	0.6457	#N/A
2022/01/22	19	-17.1	0.6311	#N/A
2022/01/22	20	-17.9	0.6021	#N/A
2022/01/22	21	-17.6	0.5632	#N/A
2022/01/22	22	-17.9	0.5384	#N/A
2022/01/22	23	-17.2	0.5434	#N/A
2022/01/23	00	-16.9	0.5806	#N/A
2022/01/23	01	-18.1	0.6229	#N/A
2022/01/23	02	-19.2	0.6440	#N/A
2022/01/23	03	-19.2	0.6387	#N/A
2022/01/23	04	-20.1	0.6295	#N/A
2022/01/23	05	-18.7	0.6373	#N/A
2022/01/23	06	-17.1	0.6742	#N/A
2022/01/23	07	-17.4	0.7000	#N/A
2022/01/23	08	-12.3	0.6977	#N/A
2022/01/23	09	-11.9	0.6763	#N/A
2022/01/23	10	-12.8	0.6836	#N/A
2022/01/23	11	-14.9	0.7031	#N/A
2022/01/23	12	-13.4	0.7024	#N/A
2022/01/23	13	-13.3	0.6815	#N/A
2022/01/23	14	-13.8	0.6894	#N/A
2022/01/23	15	-14.3	0.7292	#N/A
2022/01/23	16	-15.3	0.7478	#N/A
2022/01/23	17	-16.6	0.7249	#N/A
2022/01/23	18	-17.1	0.7049	#N/A
2022/01/23	19	-19.1	0.7186	#N/A
2022/01/23	20	-20.1	0.7472	#N/A
2022/01/23	21	-20.4	0.7288	#N/A
2022/01/23	22	-18.7	0.6756	#N/A
2022/01/23	23	-21.9	0.6399	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/24	00	-22.4	0.6830	#N/A
2022/01/24	01	-22.8	0.7761	#N/A
2022/01/24	02	-23.8	0.8240	#N/A
2022/01/24	03	-25.1	0.7779	#N/A
2022/01/24	04	-24.8	0.7043	#N/A
2022/01/24	05	-24.1	0.7028	#N/A
2022/01/24	06	-26.9	0.7732	#N/A
2022/01/24	07	-28.2	0.8289	#N/A
2022/01/24	08	-27.7	0.8275	#N/A
2022/01/24	09	-25	0.7832	#N/A
2022/01/24	10	-21.8	0.7430	#N/A
2022/01/24	11	-19.4	0.7095	#N/A
2022/01/24	12	-17.1	0.6912	#N/A
2022/01/24	13	-15.9	0.6837	#N/A
2022/01/24	14	-15.9	0.6834	#N/A
2022/01/24	15	-14.7	0.6829	#N/A
2022/01/24	16	-14.7	0.6693	#N/A
2022/01/24	17	-14.4	0.6551	#N/A
2022/01/24	18	-15.4	0.6383	#N/A
2022/01/24	19	-15.3	0.6204	#N/A
2022/01/24	20	-15.2	0.5821	#N/A
2022/01/24	21	-15.3	0.5358	#N/A
2022/01/24	22	-15.6	0.5019	#N/A
2022/01/24	23	-15.6	0.4958	#N/A
2022/01/25	00	-15.4	0.5102	#N/A
2022/01/25	01	-15.4	0.5335	#N/A
2022/01/25	02	-15.3	0.5604	#N/A
2022/01/25	03	-15.3	0.6008	#N/A
2022/01/25	04	-15.6	0.6551	#N/A
2022/01/25	05	-15.5	0.7140	#N/A
2022/01/25	06	-15.3	0.7364	#N/A
2022/01/25	07	-15.4	0.7026	#N/A
2022/01/25	08	-15.4	0.6356	#N/A
2022/01/25	09	-14.9	0.5713	#N/A
2022/01/25	10	-14.3	0.5279	#N/A
2022/01/25	11	-12.8	0.4984	#N/A
2022/01/25	12	-12	0.4892	#N/A
2022/01/25	13	-11	0.5136	#N/A
2022/01/25	14	-10.5	0.5724	#N/A
2022/01/25	15	-10.6	0.6295	#N/A
2022/01/25	16	-11.4	0.6632	#N/A
2022/01/25	17	-12.8	0.6728	#N/A
2022/01/25	18	-14.3	0.6758	#N/A
2022/01/25	19	-15.7	0.6729	#N/A
2022/01/25	20	-15	0.6524	#N/A
2022/01/25	21	-15.8	0.6272	#N/A
2022/01/25	22	-17.2	0.6175	#N/A
2022/01/25	23	-18	0.6352	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/26	00	-19.1	0.6764	#N/A
2022/01/26	01	-20.3	0.7213	#N/A
2022/01/26	02	-22	0.7677	#N/A
2022/01/26	03	-22.6	0.8214	#N/A
2022/01/26	04	-23.1	0.8920	#N/A
2022/01/26	05	-23.3	0.9633	#N/A
2022/01/26	06	-24.7	0.9960	#N/A
2022/01/26	07	-27.3	0.9620	#N/A
2022/01/26	08	-26.5	0.8780	#N/A
2022/01/26	09	-25.7	0.7885	#N/A
2022/01/26	10	-22.7	0.7192	#N/A
2022/01/26	11	-20.8	0.6696	#N/A
2022/01/26	12	-19.5	0.6359	#N/A
2022/01/26	13	-19	0.6373	#N/A
2022/01/26	14	-18.3	0.6725	#N/A
2022/01/26	15	-18	0.7168	#N/A
2022/01/26	16	-18	0.7378	#N/A
2022/01/26	17	-20.3	0.7430	#N/A
2022/01/26	18	-20.3	0.7369	#N/A
2022/01/26	19	-22.3	0.7228	#N/A
2022/01/26	20	-21.5	0.6842	#N/A
2022/01/26	21	-22.3	0.6420	#N/A
2022/01/26	22	-21.8	0.6146	#N/A
2022/01/26	23	-23.5	0.6163	#N/A
2022/01/27	00	-23	0.6349	#N/A
2022/01/27	01	-23.4	0.6591	#N/A
2022/01/27	02	-24.7	0.6807	#N/A
2022/01/27	03	-24	0.6833	#N/A
2022/01/27	04	-24.2	0.6419	#N/A
2022/01/27	05	-24.6	0.6037	#N/A
2022/01/27	06	-22.2	0.6195	#N/A
2022/01/27	07	-22.3	0.6998	#N/A
2022/01/27	08	-20.8	0.7352	#N/A
2022/01/27	09	-19.5	0.6754	#N/A
2022/01/27	10	-11.8	0.5827	#N/A
2022/01/27	11	-9.7	0.5706	#N/A
2022/01/27	12	-8.9	0.6365	#N/A
2022/01/27	13	-7.4	0.6984	#N/A
2022/01/27	14	-6.8	0.6880	#N/A
2022/01/27	15	-6.5	0.6405	#N/A
2022/01/27	16	-6.4	0.6129	#N/A
2022/01/27	17	-5.9	0.6322	#N/A
2022/01/27	18	-5.8	0.6535	#N/A
2022/01/27	19	-6.1	0.6547	#N/A
2022/01/27	20	-6	0.6340	#N/A
2022/01/27	21	-4.7	0.6553	#N/A
2022/01/27	22	-4.3	0.7058	#N/A
2022/01/27	23	-4.2	0.7357	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/28	00	-4.4	0.7004	#N/A
2022/01/28	01	-4.4	0.6449	#N/A
2022/01/28	02	-5.3	0.6341	#N/A
2022/01/28	03	-10.7	0.6598	#N/A
2022/01/28	04	-12.1	0.6770	#N/A
2022/01/28	05	-14.8	0.6590	#N/A
2022/01/28	06	-16.7	0.6213	#N/A
2022/01/28	07	-17.9	0.5849	#N/A
2022/01/28	08	-19.1	0.5596	#N/A
2022/01/28	09	-19.1	0.5498	#N/A
2022/01/28	10	-18.2	0.5383	#N/A
2022/01/28	11	-17.5	0.5322	#N/A
2022/01/28	12	-17.1	0.5461	#N/A
2022/01/28	13	-16	0.5926	#N/A
2022/01/28	14	-15.3	0.6389	#N/A
2022/01/28	15	-15.1	0.6680	#N/A
2022/01/28	16	-15.2	0.6804	#N/A
2022/01/28	17	-16.1	0.6901	#N/A
2022/01/28	18	-17.5	0.6983	#N/A
2022/01/28	19	-18.4	0.6882	#N/A
2022/01/28	20	-18.5	0.6718	#N/A
2022/01/28	21	-19.1	0.6571	#N/A
2022/01/28	22	-19.7	0.6698	#N/A
2022/01/28	23	-21	0.7038	#N/A
2022/01/29	00	-21	0.7462	#N/A
2022/01/29	01	-21.4	0.7877	#N/A
2022/01/29	02	-22	0.8307	#N/A
2022/01/29	03	-22.4	0.8835	#N/A
2022/01/29	04	-21.9	0.9406	#N/A
2022/01/29	05	-22.7	0.9748	#N/A
2022/01/29	06	-23.4	0.9605	#N/A
2022/01/29	07	-24.1	0.8943	#N/A
2022/01/29	08	-23.2	0.8054	#N/A
2022/01/29	09	-22.2	0.7204	#N/A
2022/01/29	10	-19.9	0.6520	#N/A
2022/01/29	11	-18.1	0.6023	#N/A
2022/01/29	12	-17	0.5845	#N/A
2022/01/29	13	-16	0.6069	#N/A
2022/01/29	14	-14.6	0.6455	#N/A
2022/01/29	15	-13.6	0.6764	#N/A
2022/01/29	16	-13.1	0.6899	#N/A
2022/01/29	17	-14	0.6932	#N/A
2022/01/29	18	-14	0.6952	#N/A
2022/01/29	19	-15.8	0.6769	#N/A
2022/01/29	20	-14.8	0.6497	#N/A
2022/01/29	21	-15.3	0.6267	#N/A
2022/01/29	22	-18.7	0.6311	#N/A
2022/01/29	23	-16.4	0.6622	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/01/30	00	-16.8	0.7005	#N/A
2022/01/30	01	-19.7	0.7384	#N/A
2022/01/30	02	-20.2	0.7795	#N/A
2022/01/30	03	-21.4	0.8323	#N/A
2022/01/30	04	-19.8	0.8861	#N/A
2022/01/30	05	-20	0.9185	#N/A
2022/01/30	06	-20.4	0.8953	#N/A
2022/01/30	07	-21.3	0.8281	#N/A
2022/01/30	08	-20.6	0.7377	#N/A
2022/01/30	09	-18.7	0.6757	#N/A
2022/01/30	10	-17.1	0.6193	#N/A
2022/01/30	11	-15.2	0.5764	#N/A
2022/01/30	12	-13.3	0.5461	#N/A
2022/01/30	13	-11.2	0.5629	#N/A
2022/01/30	14	-10.6	0.5972	#N/A
2022/01/30	15	-10.3	0.6256	#N/A
2022/01/30	16	-10.3	0.6367	#N/A
2022/01/30	17	-10.3	0.6412	#N/A
2022/01/30	18	-11.4	0.6389	#N/A
2022/01/30	19	-11.7	0.6184	#N/A
2022/01/30	20	-12.8	0.5905	#N/A
2022/01/30	21	-13.3	0.5667	#N/A
2022/01/30	22	-13.9	0.5641	#N/A
2022/01/30	23	-14.6	0.5808	#N/A
2022/01/31	00	-15.3	0.6074	#N/A
2022/01/31	01	-17.4	0.6355	#N/A
2022/01/31	02	-17.2	0.6736	#N/A
2022/01/31	03	-17.5	0.7210	#N/A
2022/01/31	04	-18.4	0.7653	#N/A
2022/01/31	05	-17.2	0.7552	#N/A
2022/01/31	06	-16.7	0.6850	#N/A
2022/01/31	07	-16.3	0.5941	#N/A
2022/01/31	08	-16.1	0.5590	#N/A
2022/01/31	09	-15.2	0.5797	#N/A
2022/01/31	10	-13.6	0.5997	#N/A
2022/01/31	11	-11.1	0.5796	#N/A
2022/01/31	12	-10	0.5531	0.3988
2022/01/31	13	-8.2	0.5532	0.4096
2022/01/31	14	-6.5	0.5726	0.4375
2022/01/31	15	-6.8	0.5735	0.4652
2022/01/31	16	-7.5	0.5576	0.4853
2022/01/31	17	-9	0.5485	0.4915
2022/01/31	18	-10.8	0.5795	0.4934
2022/01/31	19	-11.4	0.6265	0.4953
2022/01/31	20	-11.7	0.6451	0.4912
2022/01/31	21	-12.7	0.6064	0.4751
2022/01/31	22	-14.1	0.5646	0.4567
2022/01/31	23	-15.2	0.5540	0.4499

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/01	00	-16.2	0.5679	0.4577
2022/02/01	01	-15.9	0.5660	0.4786
2022/02/01	02	-17.2	0.5469	0.5008
2022/02/01	03	-16.2	0.5362	0.5387
2022/02/01	04	-16.4	0.5388	0.5927
2022/02/01	05	-18.3	0.5425	0.6570
2022/02/01	06	-16.8	0.5210	0.7021
2022/02/01	07	-16.6	0.4977	0.6856
2022/02/01	08	-16.4	0.4888	0.6072
2022/02/01	09	-14.9	0.5037	0.5101
2022/02/01	10	-12.9	0.5047	0.4299
2022/02/01	11	-10.7	0.4988	0.4048
2022/02/01	12	-8.2	0.4905	#N/A
2022/02/01	13	-7.9	0.5006	#N/A
2022/02/01	14	-6.7	0.5056	#N/A
2022/02/01	15	-6.1	0.5014	#N/A
2022/02/01	16	-6.7	0.4834	#N/A
2022/02/01	17	-7.2	0.4649	#N/A
2022/02/01	18	-7.5	0.4433	#N/A
2022/02/01	19	-8.2	0.4118	#N/A
2022/02/01	20	-9	0.3746	#N/A
2022/02/01	21	-9.3	0.3449	#N/A
2022/02/01	22	-7.8	0.3344	#N/A
2022/02/01	23	-7	0.3327	#N/A
2022/02/02	00	-0.9	0.3399	#N/A
2022/02/02	01	-0.6	0.3504	#N/A
2022/02/02	02	-1.1	0.3834	#N/A
2022/02/02	03	-1.2	0.4300	#N/A
2022/02/02	04	-1.3	0.4728	#N/A
2022/02/02	05	-1.2	0.4858	#N/A
2022/02/02	06	-0.7	0.4667	#N/A
2022/02/02	07	-0.6	0.4334	#N/A
2022/02/02	08	-0.5	0.3986	#N/A
2022/02/02	09	0.2	0.3774	#N/A
2022/02/02	10	0.9	0.3666	#N/A
2022/02/02	11	1.7	0.3653	#N/A
2022/02/02	12	2.3	0.3701	#N/A
2022/02/02	13	2.8	0.3777	#N/A
2022/02/02	14	3.3	0.3825	#N/A
2022/02/02	15	3.4	0.3787	#N/A
2022/02/02	16	3.3	0.3727	#N/A
2022/02/02	17	2.8	0.3642	#N/A
2022/02/02	18	2.7	0.3558	#N/A
2022/02/02	19	1.2	0.3376	#N/A
2022/02/02	20	1	0.3198	#N/A
2022/02/02	21	0.6	0.3053	#N/A
2022/02/02	22	0.7	0.3097	#N/A
2022/02/02	23	0.9	0.3260	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/03	00	0.5	0.3541	#N/A
2022/02/03	01	0.2	0.3860	#N/A
2022/02/03	02	0	0.4387	#N/A
2022/02/03	03	-0.1	0.5129	#N/A
2022/02/03	04	-3.4	0.5835	#N/A
2022/02/03	05	-3.8	0.6120	#N/A
2022/02/03	06	-4.9	0.5770	#N/A
2022/02/03	07	-5.8	0.5249	#N/A
2022/02/03	08	-6.4	0.4918	#N/A
2022/02/03	09	-6.9	0.4860	#N/A
2022/02/03	10	-6.9	0.4866	#N/A
2022/02/03	11	-6.9	0.4890	#N/A
2022/02/03	12	-7.3	0.5015	#N/A
2022/02/03	13	-7.6	0.5299	#N/A
2022/02/03	14	-8.1	0.5508	#N/A
2022/02/03	15	-8.3	0.5612	#N/A
2022/02/03	16	-8.6	0.5610	#N/A
2022/02/03	17	-9	0.5532	#N/A
2022/02/03	18	-9.4	0.5492	#N/A
2022/02/03	19	-9.8	0.5213	#N/A
2022/02/03	20	-11.2	0.4927	#N/A
2022/02/03	21	-11.3	0.4666	#N/A
2022/02/03	22	-11.6	0.4697	#N/A
2022/02/03	23	-12	0.4932	#N/A
2022/02/04	00	-12.2	0.5257	#N/A
2022/02/04	01	-12.3	0.5605	#N/A
2022/02/04	02	-12.5	0.6126	#N/A
2022/02/04	03	-12.9	0.6803	#N/A
2022/02/04	04	-13.3	0.7534	#N/A
2022/02/04	05	-13.4	0.7759	#N/A
2022/02/04	06	-13.6	0.7296	#N/A
2022/02/04	07	-13.6	0.6475	#N/A
2022/02/04	08	-13.7	0.5788	#N/A
2022/02/04	09	-13.5	0.5466	#N/A
2022/02/04	10	-13	0.5378	#N/A
2022/02/04	11	-12.4	0.5252	#N/A
2022/02/04	12	-11.7	0.5136	#N/A
2022/02/04	13	-11.9	0.5345	#N/A
2022/02/04	14	-11.1	0.5824	#N/A
2022/02/04	15	-10.9	0.6127	#N/A
2022/02/04	16	-11.2	0.6134	#N/A
2022/02/04	17	-11.8	0.6173	#N/A
2022/02/04	18	-12.1	0.6751	#N/A
2022/02/04	19	-13.1	0.7301	#N/A
2022/02/04	20	-13.3	0.7296	#N/A
2022/02/04	21	-13.9	0.6739	#N/A
2022/02/04	22	-13.6	0.6120	#N/A
2022/02/04	23	-14	0.6006	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/05	00	-13.9	0.6119	#N/A
2022/02/05	01	-14.3	0.6135	#N/A
2022/02/05	02	-15.4	0.5915	#N/A
2022/02/05	03	-15.2	0.5717	#N/A
2022/02/05	04	-16.3	0.5551	#N/A
2022/02/05	05	-17.3	0.5481	#N/A
2022/02/05	06	-18.7	0.5404	#N/A
2022/02/05	07	-19.5	0.5396	#N/A
2022/02/05	08	-20	0.5383	#N/A
2022/02/05	09	-19.5	0.5328	#N/A
2022/02/05	10	-18.3	0.5365	#N/A
2022/02/05	11	-17.1	0.5468	#N/A
2022/02/05	12	-15.9	0.5699	#N/A
2022/02/05	13	-15.1	0.5909	#N/A
2022/02/05	14	-15.1	0.5989	#N/A
2022/02/05	15	-14.5	0.6029	#N/A
2022/02/05	16	-14.2	0.6160	#N/A
2022/02/05	17	-15.4	0.6440	#N/A
2022/02/05	18	-16.6	0.6620	#N/A
2022/02/05	19	-16.9	0.6572	#N/A
2022/02/05	20	-17.2	0.6391	#N/A
2022/02/05	21	-18.5	0.6118	#N/A
2022/02/05	22	-18.7	0.5778	#N/A
2022/02/05	23	-20.2	0.5551	#N/A
2022/02/06	00	-20.6	0.5514	#N/A
2022/02/06	01	-19.5	0.5719	#N/A
2022/02/06	02	-18.3	0.5915	#N/A
2022/02/06	03	-18.2	0.6104	#N/A
2022/02/06	04	-17.3	0.6334	#N/A
2022/02/06	05	-17.2	0.6712	#N/A
2022/02/06	06	-17.4	0.7171	#N/A
2022/02/06	07	-17.3	0.7537	#N/A
2022/02/06	08	-17.1	0.7570	#N/A
2022/02/06	09	-15.9	0.7325	#N/A
2022/02/06	10	-14.2	0.6976	#N/A
2022/02/06	11	-12.8	0.6641	#N/A
2022/02/06	12	-12.1	0.6350	#N/A
2022/02/06	13	-11.3	0.6094	#N/A
2022/02/06	14	-10.5	0.5953	#N/A
2022/02/06	15	-9.1	0.5937	#N/A
2022/02/06	16	-9.3	0.5877	#N/A
2022/02/06	17	-9.3	0.5770	#N/A
2022/02/06	18	-9.6	0.5608	#N/A
2022/02/06	19	-10.1	0.5480	#N/A
2022/02/06	20	-10	0.5285	#N/A
2022/02/06	21	-10.3	0.4937	#N/A
2022/02/06	22	-10	0.4499	#N/A
2022/02/06	23	-9.5	0.4175	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/07	00	-9.3	0.4056	#N/A
2022/02/07	01	-9	0.4133	#N/A
2022/02/07	02	-8.4	0.4242	#N/A
2022/02/07	03	-8.6	0.4447	#N/A
2022/02/07	04	-9.6	0.4836	#N/A
2022/02/07	05	-8.8	0.5392	#N/A
2022/02/07	06	-9.7	0.5911	#N/A
2022/02/07	07	-10.7	0.6017	#N/A
2022/02/07	08	-11.8	0.5697	#N/A
2022/02/07	09	-10.9	0.5167	#N/A
2022/02/07	10	-7.8	0.4621	#N/A
2022/02/07	11	-5.7	0.4188	#N/A
2022/02/07	12	-2.2	0.3889	#N/A
2022/02/07	13	-1.2	0.3773	#N/A
2022/02/07	14	-2.1	0.3916	#N/A
2022/02/07	15	-1.4	0.4106	#N/A
2022/02/07	16	-3.2	0.4256	#N/A
2022/02/07	17	-3.4	0.4205	#N/A
2022/02/07	18	-4.7	0.4092	#N/A
2022/02/07	19	-5.3	0.3986	#N/A
2022/02/07	20	-5.9	0.3889	#N/A
2022/02/07	21	-7.2	0.3673	#N/A
2022/02/07	22	-6.3	0.3382	#N/A
2022/02/07	23	-6.5	0.3149	#N/A
2022/02/08	00	-6.8	0.3056	#N/A
2022/02/08	01	-6.8	0.3144	#N/A
2022/02/08	02	-6.8	0.3310	#N/A
2022/02/08	03	-6.8	0.3559	#N/A
2022/02/08	04	-6.8	0.3958	#N/A
2022/02/08	05	-7	0.4578	#N/A
2022/02/08	06	-7	0.5147	#N/A
2022/02/08	07	-7	0.5390	#N/A
2022/02/08	08	-6.5	0.5119	#N/A
2022/02/08	09	-5.7	0.4796	#N/A
2022/02/08	10	-5.6	0.4447	#N/A
2022/02/08	11	-4.6	0.4191	#N/A
2022/02/08	12	-4.2	0.3940	#N/A
2022/02/08	13	-3.7	0.3766	#N/A
2022/02/08	14	-2.5	0.3792	#N/A
2022/02/08	15	-1.8	0.3892	#N/A
2022/02/08	16	-1.7	0.4069	#N/A
2022/02/08	17	-2.4	0.4250	#N/A
2022/02/08	18	-2.6	0.4452	#N/A
2022/02/08	19	-2.9	0.4513	#N/A
2022/02/08	20	-3.1	0.4366	#N/A
2022/02/08	21	-3.8	0.4165	#N/A
2022/02/08	22	-5.2	0.4123	#N/A
2022/02/08	23	-5.9	0.4176	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/09	00	-6.5	0.4080	#N/A
2022/02/09	01	-8.1	0.4052	#N/A
2022/02/09	02	-8.2	0.4109	#N/A
2022/02/09	03	-10.1	0.4202	#N/A
2022/02/09	04	-10.7	0.4158	#N/A
2022/02/09	05	-9.6	0.4179	#N/A
2022/02/09	06	-13.3	0.4346	#N/A
2022/02/09	07	-10.3	0.4482	#N/A
2022/02/09	08	-11	0.4387	#N/A
2022/02/09	09	-9	0.4270	#N/A
2022/02/09	10	-5.4	0.4266	#N/A
2022/02/09	11	-3.6	0.4429	#N/A
2022/02/09	12	-2.8	0.4466	#N/A
2022/02/09	13	-1.9	0.4371	#N/A
2022/02/09	14	-0.9	0.4170	#N/A
2022/02/09	15	-0.6	0.4312	#N/A
2022/02/09	16	-0.8	0.4781	#N/A
2022/02/09	17	-0.6	0.5243	#N/A
2022/02/09	18	-0.7	0.4951	#N/A
2022/02/09	19	-1	0.4206	#N/A
2022/02/09	20	-1.1	0.3857	#N/A
2022/02/09	21	-2.6	0.4463	#N/A
2022/02/09	22	-1.9	0.5214	#N/A
2022/02/09	23	-1.6	0.5159	#N/A
2022/02/10	00	-1.6	0.4330	#N/A
2022/02/10	01	-2.1	0.3501	#N/A
2022/02/10	02	-2.2	0.3167	#N/A
2022/02/10	03	-1.9	0.3205	#N/A
2022/02/10	04	-1.8	0.3524	#N/A
2022/02/10	05	1.7	0.4098	#N/A
2022/02/10	06	2.4	0.4688	#N/A
2022/02/10	07	2.1	0.4888	#N/A
2022/02/10	08	2	0.4570	#N/A
2022/02/10	09	1.7	0.4081	#N/A
2022/02/10	10	3	0.3708	#N/A
2022/02/10	11	3.1	0.3507	#N/A
2022/02/10	12	3	0.3391	#N/A
2022/02/10	13	3.1	0.3399	#N/A
2022/02/10	14	2.6	0.3530	#N/A
2022/02/10	15	2.7	0.3776	#N/A
2022/02/10	16	2.4	0.3895	#N/A
2022/02/10	17	2	0.3884	#N/A
2022/02/10	18	1.9	0.3816	#N/A
2022/02/10	19	1.5	0.3728	#N/A
2022/02/10	20	1.5	0.3676	#N/A
2022/02/10	21	1	0.3441	#N/A
2022/02/10	22	0.5	0.3204	#N/A
2022/02/10	23	0.5	0.2976	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/11	00	0.2	0.2895	#N/A
2022/02/11	01	0	0.2901	#N/A
2022/02/11	02	-0.5	0.2988	#N/A
2022/02/11	03	-0.4	0.3124	#N/A
2022/02/11	04	-0.7	0.3503	#N/A
2022/02/11	05	-0.9	0.4118	#N/A
2022/02/11	06	-1	0.4749	#N/A
2022/02/11	07	-0.9	0.5011	#N/A
2022/02/11	08	-0.8	0.4859	#N/A
2022/02/11	09	-0.3	0.4508	#N/A
2022/02/11	10	0.1	0.4215	#N/A
2022/02/11	11	1.2	0.3977	#N/A
2022/02/11	12	2.1	0.3838	#N/A
2022/02/11	13	2.7	0.3791	#N/A
2022/02/11	14	3	0.3847	#N/A
2022/02/11	15	2	0.3913	#N/A
2022/02/11	16	2	0.3855	#N/A
2022/02/11	17	4.1	0.3748	#N/A
2022/02/11	18	2.9	0.3590	#N/A
2022/02/11	19	3	0.3489	#N/A
2022/02/11	20	2.4	0.3340	#N/A
2022/02/11	21	2.5	0.3159	#N/A
2022/02/11	22	2.1	0.2917	#N/A
2022/02/11	23	2	0.2753	#N/A
2022/02/12	00	2.1	0.2652	#N/A
2022/02/12	01	1.8	0.2669	#N/A
2022/02/12	02	1.8	0.2696	#N/A
2022/02/12	03	1.6	0.2927	#N/A
2022/02/12	04	1.5	0.3424	#N/A
2022/02/12	05	1.4	0.4226	#N/A
2022/02/12	06	1.5	0.5167	#N/A
2022/02/12	07	1.8	0.5932	#N/A
2022/02/12	08	1.9	0.6276	#N/A
2022/02/12	09	-1.2	0.6191	#N/A
2022/02/12	10	-7.7	0.5733	#N/A
2022/02/12	11	-9.7	0.5172	#N/A
2022/02/12	12	-11	0.4679	#N/A
2022/02/12	13	-11.5	0.4510	#N/A
2022/02/12	14	-12.4	0.4679	#N/A
2022/02/12	15	-12.6	0.5104	#N/A
2022/02/12	16	-13.2	0.5626	#N/A
2022/02/12	17	-13.7	0.5977	#N/A
2022/02/12	18	-14.2	0.6188	#N/A
2022/02/12	19	-14.7	0.6252	#N/A
2022/02/12	20	-14.7	0.6217	#N/A
2022/02/12	21	-15.5	0.5962	#N/A
2022/02/12	22	-16.6	0.5704	#N/A
2022/02/12	23	-17.4	0.5755	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/13	00	-18.3	0.5920	#N/A
2022/02/13	01	-18.8	0.5949	#N/A
2022/02/13	02	-19.7	0.5959	#N/A
2022/02/13	03	-20.3	0.6171	#N/A
2022/02/13	04	-21	0.6573	#N/A
2022/02/13	05	-21.7	0.6744	#N/A
2022/02/13	06	-22.1	0.6739	#N/A
2022/02/13	07	-22.6	0.6752	#N/A
2022/02/13	08	-22.7	0.6925	#N/A
2022/02/13	09	-21.4	0.7047	#N/A
2022/02/13	10	-19.9	0.6914	#N/A
2022/02/13	11	-18.5	0.6564	#N/A
2022/02/13	12	-17.3	0.6351	#N/A
2022/02/13	13	-16.3	0.6368	#N/A
2022/02/13	14	-15.6	0.6409	#N/A
2022/02/13	15	-15.1	0.6303	#N/A
2022/02/13	16	-15.2	0.6245	#N/A
2022/02/13	17	-15.9	0.6563	#N/A
2022/02/13	18	-16.8	0.7158	#N/A
2022/02/13	19	-16.8	0.7624	#N/A
2022/02/13	20	-17.4	0.7436	#N/A
2022/02/13	21	-17.9	0.6979	#N/A
2022/02/13	22	-18.4	0.6587	#N/A
2022/02/13	23	-17.2	0.6741	#N/A
2022/02/14	00	-17.8	0.6954	#N/A
2022/02/14	01	-17.9	0.7074	#N/A
2022/02/14	02	-19.5	0.7193	#N/A
2022/02/14	03	-20.4	0.7608	#N/A
2022/02/14	04	-20.8	0.8348	#N/A
2022/02/14	05	-21.7	0.9085	#N/A
2022/02/14	06	-22.3	0.9444	#N/A
2022/02/14	07	-23	0.9157	#N/A
2022/02/14	08	-23.3	0.8362	#N/A
2022/02/14	09	-22	0.7442	#N/A
2022/02/14	10	-19.9	0.6668	#N/A
2022/02/14	11	-18.3	0.6095	#N/A
2022/02/14	12	-16.9	0.5686	#N/A
2022/02/14	13	-16	0.5516	#N/A
2022/02/14	14	-15.3	0.5681	#N/A
2022/02/14	15	-14.9	0.6064	#N/A
2022/02/14	16	-14.9	0.6472	#N/A
2022/02/14	17	-15.4	0.6686	#N/A
2022/02/14	18	-15.6	0.6687	#N/A
2022/02/14	19	-16.2	0.6546	#N/A
2022/02/14	20	-17.1	0.6290	#N/A
2022/02/14	21	-17.9	0.5968	#N/A
2022/02/14	22	-18.2	0.5710	#N/A
2022/02/14	23	-18.4	0.5644	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/15	00	-18.1	0.5762	#N/A
2022/02/15	01	-17.7	0.5974	#N/A
2022/02/15	02	-18.4	0.6211	#N/A
2022/02/15	03	-18.2	0.6602	#N/A
2022/02/15	04	-17.1	0.7162	#N/A
2022/02/15	05	-17.2	0.7816	#N/A
2022/02/15	06	-16	0.8151	#N/A
2022/02/15	07	-16.3	0.7846	#N/A
2022/02/15	08	-15.3	0.7024	#N/A
2022/02/15	09	-14.9	0.6066	#N/A
2022/02/15	10	-13.4	0.5378	#N/A
2022/02/15	11	-12.5	0.4892	#N/A
2022/02/15	12	-11.3	0.4552	#N/A
2022/02/15	13	-10.1	0.4416	#N/A
2022/02/15	14	-9.8	0.4576	#N/A
2022/02/15	15	-9.5	0.5030	#N/A
2022/02/15	16	-9.6	0.5522	#N/A
2022/02/15	17	-11.2	0.5900	#N/A
2022/02/15	18	-11.2	0.6062	#N/A
2022/02/15	19	-12.2	0.6083	#N/A
2022/02/15	20	-18.1	0.5895	#N/A
2022/02/15	21	-14.4	0.5587	#N/A
2022/02/15	22	-14.6	0.5268	#N/A
2022/02/15	23	-15.2	0.5114	#N/A
2022/02/16	00	-15.4	0.5118	#N/A
2022/02/16	01	-14.6	0.5210	#N/A
2022/02/16	02	-14.8	0.5399	#N/A
2022/02/16	03	-14.7	0.5726	#N/A
2022/02/16	04	-14.2	0.6247	#N/A
2022/02/16	05	-13.1	0.6766	#N/A
2022/02/16	06	-12.1	0.7016	#N/A
2022/02/16	07	-11.1	0.6749	#N/A
2022/02/16	08	-9.8	0.6100	#N/A
2022/02/16	09	-8.2	0.5439	#N/A
2022/02/16	10	-6.2	0.5005	#N/A
2022/02/16	11	-4.2	0.4692	#N/A
2022/02/16	12	1.8	0.4401	#N/A
2022/02/16	13	3.7	0.4278	#N/A
2022/02/16	14	5.7	0.4312	#N/A
2022/02/16	15	6.3	0.4389	#N/A
2022/02/16	16	6	0.4238	#N/A
2022/02/16	17	5.5	0.3995	#N/A
2022/02/16	18	5.7	0.3777	#N/A
2022/02/16	19	5.7	0.3577	#N/A
2022/02/16	20	5.8	0.3384	#N/A
2022/02/16	21	5.8	0.3112	#N/A
2022/02/16	22	5.8	0.2955	#N/A
2022/02/16	23	5.6	0.2935	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/17	00	5.6	0.3014	#N/A
2022/02/17	01	5.7	0.2888	#N/A
2022/02/17	02	5.5	0.2716	#N/A
2022/02/17	03	5.5	0.2654	#N/A
2022/02/17	04	4.7	0.3061	#N/A
2022/02/17	05	4.4	0.3680	#N/A
2022/02/17	06	4.8	0.4199	#N/A
2022/02/17	07	4.3	0.4197	0.3809
2022/02/17	08	4.1	0.3873	0.3504
2022/02/17	09	4.1	0.3566	0.3249
2022/02/17	10	4.5	0.3574	0.3079
2022/02/17	11	4.9	0.3647	0.3012
2022/02/17	12	4.8	0.3707	0.2961
2022/02/17	13	4.3	0.3715	0.2926
2022/02/17	14	3.9	0.3820	0.2917
2022/02/17	15	3.3	0.4037	0.2978
2022/02/17	16	1.3	0.4169	0.3012
2022/02/17	17	0.4	0.4231	0.3096
2022/02/17	18	-1.4	0.4268	0.3169
2022/02/17	19	-2.2	0.4282	0.3251
2022/02/17	20	-2.8	0.4210	0.3296
2022/02/17	21	-3.2	0.4016	0.3263
2022/02/17	22	-3.9	0.3964	0.3187
2022/02/17	23	-4.5	0.4075	0.3140
2022/02/18	00	-6.3	0.4294	0.3215
2022/02/18	01	-7.5	0.4287	0.3489
2022/02/18	02	-8.1	0.4271	0.3865
2022/02/18	03	-9.8	0.4356	0.4331
2022/02/18	04	-11	0.5090	0.4905
2022/02/18	05	-11.4	0.6062	0.5484
2022/02/18	06	-12.3	0.6831	0.5964
2022/02/18	07	-12.9	0.6773	0.6057
2022/02/18	08	-13.2	0.6136	0.5693
2022/02/18	09	-13.9	0.5392	0.4999
2022/02/18	10	-13.8	0.4834	0.4173
2022/02/18	11	-13.7	0.4479	0.3679
2022/02/18	12	-13.5	0.4261	0.3366
2022/02/18	13	-12.7	0.4253	0.3417
2022/02/18	14	-12.8	0.4491	0.3563
2022/02/18	15	-12.5	0.4947	0.4083
2022/02/18	16	-12.7	0.5469	0.4754
2022/02/18	17	-12.5	0.5834	0.5359
2022/02/18	18	-13.8	0.5944	0.5739
2022/02/18	19	-16.1	0.5948	0.5834
2022/02/18	20	-17.1	0.5797	0.5845
2022/02/18	21	-16.9	0.5533	0.5710
2022/02/18	22	-16.8	0.5180	0.5518
2022/02/18	23	-15.8	0.4977	0.5374

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/19	00	-14.3	0.4977	0.5275
2022/02/19	01	-13.7	0.5105	0.5358
2022/02/19	02	-14	0.5277	0.5398
2022/02/19	03	-11.7	0.5517	0.5540
2022/02/19	04	-10.8	0.5841	0.5728
2022/02/19	05	-10	0.6300	0.6055
2022/02/19	06	-9.2	0.6611	0.6372
2022/02/19	07	-9.1	0.6499	0.6454
2022/02/19	08	-5	0.6046	0.6178
2022/02/19	09	-4.2	0.5518	0.5618
2022/02/19	10	-2.6	0.5168	0.4681
2022/02/19	11	-3.6	0.4908	0.4186
2022/02/19	12	-3.6	0.4789	0.3821
2022/02/19	13	-5.1	0.4840	0.3936
2022/02/19	14	-6.8	0.5111	0.4176
2022/02/19	15	-7.8	0.5498	0.4508
2022/02/19	16	-9.5	0.5836	0.5081
2022/02/19	17	-10.9	0.5992	0.5405
2022/02/19	18	-11.9	0.5954	0.5731
2022/02/19	19	-12.3	0.5879	0.5790
2022/02/19	20	-12.5	0.5778	0.5681
2022/02/19	21	-13	0.5592	0.5398
2022/02/19	22	-13.6	0.5373	0.5100
2022/02/19	23	-14.2	0.5223	0.4913
2022/02/20	00	-16	0.5276	0.4985
2022/02/20	01	-16.4	0.5378	0.5236
2022/02/20	02	-17.6	0.5502	0.5527
2022/02/20	03	-18.7	0.5609	0.5866
2022/02/20	04	-17.7	0.5757	0.6225
2022/02/20	05	-17.3	0.5914	0.6693
2022/02/20	06	-17.1	0.6041	0.6981
2022/02/20	07	-17.5	0.6153	0.6835
2022/02/20	08	-16.2	0.6210	0.6557
2022/02/20	09	-13.5	0.6060	0.6199
2022/02/20	10	-12	0.5691	0.5933
2022/02/20	11	-10.5	0.5192	0.5599
2022/02/20	12	-8.5	0.4886	0.5387
2022/02/20	13	-5.3	0.4977	0.5334
2022/02/20	14	-4.7	0.5318	0.5173
2022/02/20	15	-3.2	0.5378	0.4974
2022/02/20	16	-2	0.4855	0.4893
2022/02/20	17	-0.7	0.4166	0.4840
2022/02/20	18	0	0.4014	0.4621
2022/02/20	19	1	0.4447	0.4007
2022/02/20	20	1.7	0.4887	0.3383
2022/02/20	21	2.2	0.4661	0.3211
2022/02/20	22	2.7	0.4024	0.3508
2022/02/20	23	3.4	0.3460	0.3762

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/21	00	3.4	0.3619	0.3665
2022/02/21	01	3.5	0.4121	0.3392
2022/02/21	02	3.3	0.4722	0.3393
2022/02/21	03	3.6	0.4874	0.3499
2022/02/21	04	3.5	0.4877	0.3484
2022/02/21	05	2	0.4828	0.3388
2022/02/21	06	1.7	0.4915	0.3393
2022/02/21	07	1	0.4947	0.3632
2022/02/21	08	1	0.4800	0.3806
2022/02/21	09	0.8	0.4593	0.3784
2022/02/21	10	-0.2	0.4462	0.3578
2022/02/21	11	-2.4	0.4488	0.3397
2022/02/21	12	-2.9	0.4607	0.3370
2022/02/21	13	-2.6	0.4611	0.3524
2022/02/21	14	-2.6	0.4633	0.3747
2022/02/21	15	-2.9	0.4693	0.3858
2022/02/21	16	-3.2	0.4839	0.3899
2022/02/21	17	-3.6	0.4891	0.3920
2022/02/21	18	-4.2	0.4854	0.3966
2022/02/21	19	-4.9	0.4833	0.3963
2022/02/21	20	-4.8	0.4795	0.3996
2022/02/21	21	-4.7	0.4698	0.4062
2022/02/21	22	-5	0.4507	0.4077
2022/02/21	23	-5.7	0.4344	0.3953
2022/02/22	00	-6.2	0.4326	0.3857
2022/02/22	01	-7	0.4626	0.4118
2022/02/22	02	-7.5	0.5065	0.4558
2022/02/22	03	-8.1	0.5505	0.5211
2022/02/22	04	-8.4	0.5716	0.5752
2022/02/22	05	-8.6	0.5924	0.6171
2022/02/22	06	-8.9	0.5929	0.6188
2022/02/22	07	-9.2	0.5862	0.5775
2022/02/22	08	-9.2	0.5631	0.5200
2022/02/22	09	-8.9	0.5398	0.4764
2022/02/22	10	-8.2	0.5191	0.4545
2022/02/22	11	-7.8	0.5108	0.4474
2022/02/22	12	-7.3	0.5120	0.4547
2022/02/22	13	-6.7	0.5210	0.4729
2022/02/22	14	-6.3	0.5261	0.5022
2022/02/22	15	-6	0.5264	0.5100
2022/02/22	16	-5.5	0.5199	0.5069
2022/02/22	17	-5.4	0.5054	0.4858
2022/02/22	18	-5.1	0.4916	0.4647
2022/02/22	19	-3.5	0.4716	0.4332
2022/02/22	20	-2.4	0.4398	0.3998
2022/02/22	21	-2.1	0.4022	0.3640
2022/02/22	22	-2	0.3817	0.3392
2022/02/22	23	-1.6	0.3825	0.3251

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/23	00	-1.2	0.4027	0.3176
2022/02/23	01	-0.2	0.4244	0.3180
2022/02/23	02	0.8	0.4612	0.3218
2022/02/23	03	-1.2	0.5157	0.3523
2022/02/23	04	-1.4	0.5905	0.4030
2022/02/23	05	-3.3	0.6542	0.4516
2022/02/23	06	-3.9	0.6758	0.4717
2022/02/23	07	-6.3	0.6445	0.4649
2022/02/23	08	-8	0.5924	0.4551
2022/02/23	09	-9.3	0.5427	0.4366
2022/02/23	10	-9.7	0.5040	0.4111
2022/02/23	11	-9.9	0.4684	0.3910
2022/02/23	12	-9.5	0.4478	0.3914
2022/02/23	13	-9	0.4502	0.4193
2022/02/23	14	-8.9	0.4818	0.4495
2022/02/23	15	-9.6	0.5347	0.4971
2022/02/23	16	-10.2	0.5751	0.5356
2022/02/23	17	-10.9	0.5979	0.5701
2022/02/23	18	-11.6	0.5900	0.5820
2022/02/23	19	-12	0.5760	0.5741
2022/02/23	20	-12.5	0.5436	0.5427
2022/02/23	21	-12.7	0.5106	0.5059
2022/02/23	22	-13.3	0.4896	0.4825
2022/02/23	23	-13.8	0.4946	0.4903
2022/02/24	00	-14.3	0.5215	0.5150
2022/02/24	01	-15	0.5564	0.5446
2022/02/24	02	-15.5	0.5933	0.5778
2022/02/24	03	-15.8	0.6236	0.6307
2022/02/24	04	-16.9	0.6553	0.6958
2022/02/24	05	-17.1	0.6870	0.7378
2022/02/24	06	-17.2	0.7079	0.6962
2022/02/24	07	-17.5	0.6856	0.6017
2022/02/24	08	-17.2	0.6241	0.5087
2022/02/24	09	-16.4	0.5688	0.4528
2022/02/24	10	-15.4	0.5641	0.4132
2022/02/24	11	-14.1	0.5923	0.3782
2022/02/24	12	-12.8	0.5821	0.3660
2022/02/24	13	-12.1	0.5332	0.3815
2022/02/24	14	-11	0.4878	0.4212
2022/02/24	15	-10.7	0.5181	0.4785
2022/02/24	16	-10.3	0.5696	0.5305
2022/02/24	17	-10.1	0.5973	0.5670
2022/02/24	18	-10.5	0.5753	0.5734
2022/02/24	19	-11	0.5489	0.5592
2022/02/24	20	-11.7	0.5344	0.5295
2022/02/24	21	-12.5	0.5292	0.4811
2022/02/24	22	-13.2	0.5154	0.4459
2022/02/24	23	-13.6	0.4991	0.4593

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/25	00	-13.2	0.5030	0.4901
2022/02/25	01	-13.3	0.5456	0.5190
2022/02/25	02	-13.3	0.6054	0.5230
2022/02/25	03	-13.2	0.6257	0.5415
2022/02/25	04	-13.1	0.6030	0.5636
2022/02/25	05	-13	0.5775	0.5716
2022/02/25	06	-13	0.5907	0.5668
2022/02/25	07	-13.4	0.6229	0.5648
2022/02/25	08	-13.5	0.6418	0.5689
2022/02/25	09	-13.3	0.6340	0.5800
2022/02/25	10	-12.6	0.6051	0.5732
2022/02/25	11	-12.8	0.5691	0.5596
2022/02/25	12	-12.3	0.5405	0.5522
2022/02/25	13	-11.8	0.5252	0.5906
2022/02/25	14	-10.8	0.5292	0.6335
2022/02/25	15	-10.6	0.5471	0.6419
2022/02/25	16	-10.7	0.5790	0.6032
2022/02/25	17	-11.6	0.6117	0.5735
2022/02/25	18	-13.8	0.6373	0.5813
2022/02/25	19	-14.2	0.6209	0.6054
2022/02/25	20	-14.5	0.5756	0.6085
2022/02/25	21	-17.9	0.5261	0.5974
2022/02/25	22	-18.2	0.5510	0.5949
2022/02/25	23	-19.1	0.5954	0.6092
2022/02/26	00	-17.4	0.6323	0.6272
2022/02/26	01	-19	0.6114	0.6285
2022/02/26	02	-20.3	0.6016	0.6187
2022/02/26	03	-19.2	0.6200	0.6111
2022/02/26	04	-20.1	0.6717	0.6454
2022/02/26	05	-22.5	0.7098	0.6744
2022/02/26	06	-21.1	0.7140	0.6611
2022/02/26	07	-21.1	0.6821	0.5879
2022/02/26	08	-19.7	0.6336	0.4976
2022/02/26	09	-17	0.5881	0.4365
2022/02/26	10	-13.8	0.5506	0.3921
2022/02/26	11	-10.1	0.5319	0.3684
2022/02/26	12	-6.5	0.5245	0.3546
2022/02/26	13	-5	0.5292	0.3597
2022/02/26	14	-4.7	0.5300	0.3958
2022/02/26	15	-3.9	0.5271	0.4448
2022/02/26	16	-4.2	0.5133	0.4876
2022/02/26	17	-4.4	0.4999	0.5002
2022/02/26	18	-4.6	0.4803	0.4976
2022/02/26	19	-4.8	0.4587	0.4815
2022/02/26	20	-4.9	0.4299	0.4547
2022/02/26	21	-5.5	0.3998	0.4247
2022/02/26	22	-6.1	0.3801	0.4072
2022/02/26	23	-6.3	0.3727	0.4070

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/02/27	00	-6.2	0.3776	0.4244
2022/02/27	01	-5.9	0.3876	0.4443
2022/02/27	02	-5.7	0.4080	0.4655
2022/02/27	03	-5.7	0.4440	0.4934
2022/02/27	04	-5.2	0.4920	0.5266
2022/02/27	05	-5	0.5314	0.5569
2022/02/27	06	-4.3	0.5351	0.5654
2022/02/27	07	-4.1	0.4973	0.5516
2022/02/27	08	-3.7	0.4362	0.5183
2022/02/27	09	-3.3	0.3937	0.4661
2022/02/27	10	-2.8	0.3775	0.4112
2022/02/27	11	-1	0.3804	0.3844
2022/02/27	12	-4	0.3906	0.3733
2022/02/27	13	-3.8	0.4169	0.3770
2022/02/27	14	-4.6	0.4583	0.3817
2022/02/27	15	-4.7	0.4980	0.4149
2022/02/27	16	-4.7	0.5289	0.4494
2022/02/27	17	-6.1	0.5421	0.4773
2022/02/27	18	-7	0.5474	0.4771
2022/02/27	19	-7.7	0.5304	0.4746
2022/02/27	20	-8.7	0.5084	0.4582
2022/02/27	21	-9.8	0.4857	0.4530
2022/02/27	22	-11.1	0.4796	0.4602
2022/02/27	23	-12.3	0.4917	0.4831
2022/02/28	00	-13.4	0.5167	0.5100
2022/02/28	01	-14.3	0.5550	0.5340
2022/02/28	02	-15.3	0.6062	0.5683
2022/02/28	03	-16	0.6636	0.6184
2022/02/28	04	-16.9	0.6981	0.6862
2022/02/28	05	-17.7	0.6741	0.7260
2022/02/28	06	-17.5	0.6295	0.6853
2022/02/28	07	-18.8	0.6121	0.5794
2022/02/28	08	-18.1	0.6280	0.4694
2022/02/28	09	-17	0.6018	0.4122
2022/02/28	10	-16.2	0.5324	0.3892
2022/02/28	11	-15.4	0.4673	0.3791
2022/02/28	12	-14.4	0.4656	0.3804
2022/02/28	13	-13.4	0.4943	0.3932
2022/02/28	14	-12.6	0.5229	0.4328
2022/02/28	15	-11.5	0.5316	0.4913
2022/02/28	16	-10.8	0.5366	0.5457
2022/02/28	17	-11.3	0.5516	0.5772
2022/02/28	18	-13	0.5626	0.5814
2022/02/28	19	-12.9	0.5459	0.5722
2022/02/28	20	-14.4	0.5048	0.5503
2022/02/28	21	-13.7	0.4959	0.5230
2022/02/28	22	-14.3	0.5310	0.5050
2022/02/28	23	-15.1	0.5793	0.5105

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/01	00	-15.4	0.5818	0.5255
2022/03/01	01	-16.2	0.5562	0.5434
2022/03/01	02	-15.6	0.5478	0.5464
2022/03/01	03	-16	0.5782	0.5500
2022/03/01	04	-15.9	0.6127	0.5675
2022/03/01	05	-15.6	0.6256	0.5934
2022/03/01	06	-15.2	0.6081	0.6104
2022/03/01	07	-14.4	0.5893	0.5697
2022/03/01	08	-14.3	0.5723	0.5193
2022/03/01	09	-14.1	0.5622	0.4998
2022/03/01	10	-13.2	0.5523	0.5598
2022/03/01	11	-12.8	0.5448	0.6192
2022/03/01	12	-12.1	0.5283	0.6226
2022/03/01	13	-11.9	0.5315	0.5673
2022/03/01	14	-11.4	0.5433	0.5240
2022/03/01	15	-11.1	0.5751	0.5236
2022/03/01	16	-10.5	0.5739	0.5457
2022/03/01	17	-10.2	0.5547	0.5579
2022/03/01	18	-10.2	0.5216	0.5524
2022/03/01	19	-9.9	0.5241	0.5449
2022/03/01	20	-9.7	0.5215	0.5522
2022/03/01	21	-9.7	0.5084	0.5563
2022/03/01	22	-9.8	0.4805	0.5435
2022/03/01	23	-9.6	0.4757	0.5245
2022/03/02	00	-9.3	0.4967	0.5269
2022/03/02	01	-10.9	0.5149	0.5528
2022/03/02	02	-12.2	0.5419	0.5629
2022/03/02	03	-11.8	0.5827	0.5410
2022/03/02	04	-12.2	0.6241	0.5310
2022/03/02	05	-13	0.6283	0.5336
2022/03/02	06	-12.4	0.5812	0.5238
2022/03/02	07	-12.4	0.5173	0.4483
2022/03/02	08	-12	0.4709	0.3563
2022/03/02	09	-10.9	0.4600	0.2919
2022/03/02	10	-8.2	0.4614	0.2774
2022/03/02	11	-6.6	0.4627	0.2974
2022/03/02	12	-5	0.4615	0.3331
2022/03/02	13	-4.2	0.4707	0.3885
2022/03/02	14	-3.8	0.4791	0.4324
2022/03/02	15	-3.1	0.4819	0.4589
2022/03/02	16	-3.7	0.4720	0.4560
2022/03/02	17	-3.9	0.4668	0.4430
2022/03/02	18	-4	0.4540	0.4204
2022/03/02	19	-3.5	0.4359	0.3973
2022/03/02	20	-3.8	0.4095	0.3699
2022/03/02	21	-4	0.3957	0.3571
2022/03/02	22	-4.4	0.3929	0.3548
2022/03/02	23	-6.4	0.4049	0.3678

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/03	00	-8.2	0.4247	0.3896
2022/03/03	01	-10	0.4612	0.4287
2022/03/03	02	-6.9	0.5189	0.4864
2022/03/03	03	-9.5	0.6005	0.5637
2022/03/03	04	-10.5	0.6678	0.5996
2022/03/03	05	-11	0.6705	0.5528
2022/03/03	06	-12	0.6060	0.4540
2022/03/03	07	-12.7	0.5193	0.3634
2022/03/03	08	-12.5	0.4591	0.3207
2022/03/03	09	-12.5	0.4267	0.3047
2022/03/03	10	-12.4	0.4079	0.3124
2022/03/03	11	-11.7	0.4011	0.3293
2022/03/03	12	-11.3	0.4142	0.3544
2022/03/03	13	-10.9	0.4495	0.3913
2022/03/03	14	-10.6	0.5014	0.4552
2022/03/03	15	-10.6	0.5463	0.5175
2022/03/03	16	-10.6	0.5773	0.5581
2022/03/03	17	-10.8	0.5887	0.5688
2022/03/03	18	-11.7	0.5898	0.5595
2022/03/03	19	-13.2	0.5739	0.5432
2022/03/03	20	-13.4	0.5542	0.5238
2022/03/03	21	-15.2	0.5439	0.5213
2022/03/03	22	-15.4	0.5594	0.5450
2022/03/03	23	-19.9	0.5930	0.5748
2022/03/04	00	-17	0.6328	0.6057
2022/03/04	01	-17.4	0.6762	0.6290
2022/03/04	02	-18	0.7304	0.6775
2022/03/04	03	-18.8	0.7968	0.7317
2022/03/04	04	-19.3	0.8590	0.7603
2022/03/04	05	-19.9	0.8727	0.7290
2022/03/04	06	-20	0.8177	0.6366
2022/03/04	07	-20	0.7159	0.5358
2022/03/04	08	-17	0.6195	0.4895
2022/03/04	09	-12.8	0.5704	0.4665
2022/03/04	10	-10.2	0.5458	0.4707
2022/03/04	11	-7.9	0.5333	0.4417
2022/03/04	12	-6.4	0.5115	0.4238
2022/03/04	13	-5.7	0.5068	0.4047
2022/03/04	14	-4	0.5261	0.4180
2022/03/04	15	-3.4	0.5488	0.4540
2022/03/04	16	-3.1	0.5505	0.4922
2022/03/04	17	-4.6	0.5316	0.5042
2022/03/04	18	-4.2	0.5318	0.5006
2022/03/04	19	-6	0.5604	0.4833
2022/03/04	20	-6.4	0.5895	0.4598
2022/03/04	21	-5	0.5792	0.4292
2022/03/04	22	-7.3	0.5502	0.3990
2022/03/04	23	-9.7	0.5305	0.3842

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/05	00	-9.2	0.5499	0.3860
2022/03/05	01	-9.5	0.5784	0.4073
2022/03/05	02	-11.9	0.5939	0.4292
2022/03/05	03	-12.9	0.6037	0.4611
2022/03/05	04	-11	0.6179	0.5071
2022/03/05	05	-13.2	0.6280	0.5653
2022/03/05	06	-12.6	0.6037	0.6046
2022/03/05	07	-13.8	0.5526	0.5799
2022/03/05	08	-12.3	0.4939	0.5160
2022/03/05	09	-10.5	0.4592	0.4298
2022/03/05	10	-8.2	0.4402	0.3660
2022/03/05	11	-4.9	0.4333	0.3243
2022/03/05	12	-3.2	0.4391	0.3005
2022/03/05	13	-2.3	0.4582	0.2951
2022/03/05	14	-1.4	0.4841	0.2971
2022/03/05	15	-0.8	0.4876	0.3297
2022/03/05	16	-1.2	0.4757	0.3755
2022/03/05	17	-1.6	0.4593	0.4102
2022/03/05	18	-2	0.4459	0.4250
2022/03/05	19	-1.7	0.4309	0.4198
2022/03/05	20	-2.4	0.4064	0.4093
2022/03/05	21	-2.7	0.3807	0.3839
2022/03/05	22	-2.8	0.3667	0.3583
2022/03/05	23	-2.6	0.3626	0.3403
2022/03/06	00	-2.3	0.3657	0.3378
2022/03/06	01	-2	0.3632	0.3433
2022/03/06	02	-1.7	0.3682	0.3535
2022/03/06	03	-2.6	0.3858	0.3673
2022/03/06	04	-2.4	0.4167	0.3959
2022/03/06	05	-2.8	0.4415	0.4425
2022/03/06	06	-2.3	0.4397	0.4834
2022/03/06	07	-2.4	0.4157	0.5027
2022/03/06	08	-1	0.3872	0.4759
2022/03/06	09	-0.7	0.3663	0.4245
2022/03/06	10	1.3	0.3555	0.3408
2022/03/06	11	6	0.3502	0.2666
2022/03/06	12	9.2	0.3507	0.2002
2022/03/06	13	12.5	0.3483	0.1711
2022/03/06	14	12.9	0.3468	0.1637
2022/03/06	15	12.4	0.3500	0.1787
2022/03/06	16	11.4	0.3547	0.2009
2022/03/06	17	10.6	0.3593	0.2240
2022/03/06	18	8.7	0.3618	0.2399
2022/03/06	19	6.3	0.3471	0.2477
2022/03/06	20	5.3	0.3206	0.2488
2022/03/06	21	4.7	0.2896	0.2409
2022/03/06	22	4.1	0.2748	0.2303
2022/03/06	23	3.9	0.2726	0.2208

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/07	00	3.5	0.2757	0.2241
2022/03/07	01	3.1	0.2868	0.2327
2022/03/07	02	3	0.3122	0.2497
2022/03/07	03	1.4	0.3572	0.2777
2022/03/07	04	1.4	0.4088	0.3267
2022/03/07	05	1.1	0.4413	0.3893
2022/03/07	06	0.7	0.4448	0.4316
2022/03/07	07	0.6	0.4245	0.4326
2022/03/07	08	0.6	0.3988	0.3980
2022/03/07	09	0.6	0.3741	0.3624
2022/03/07	10	-0.6	0.3597	0.3399
2022/03/07	11	-0.3	0.3534	0.3222
2022/03/07	12	-0.2	0.3528	0.3237
2022/03/07	13	-0.1	0.3592	0.3297
2022/03/07	14	0	0.3707	0.3471
2022/03/07	15	-0.3	0.3854	0.3624
2022/03/07	16	-0.3	0.3917	0.3787
2022/03/07	17	-0.4	0.3956	0.3885
2022/03/07	18	-0.3	0.3945	0.3893
2022/03/07	19	-0.2	0.3890	0.3795
2022/03/07	20	-0.9	0.3712	0.3366
2022/03/07	21	-0.8	0.3516	0.2925
2022/03/07	22	-1.4	0.3380	0.2644
2022/03/07	23	-3.2	0.3373	0.2890
2022/03/08	00	-3.4	0.3438	0.3113
2022/03/08	01	-4.2	0.3612	0.3272
2022/03/08	02	-4.7	0.3927	0.3184
2022/03/08	03	-5.8	0.4486	0.3340
2022/03/08	04	-5.5	0.5049	0.3686
2022/03/08	05	-5.8	0.5312	0.3880
2022/03/08	06	-6.2	0.5125	0.3933
2022/03/08	07	-6.5	0.4516	0.3824
2022/03/08	08	-5.3	0.3883	0.4012
2022/03/08	09	-5.7	0.3293	0.4066
2022/03/08	10	-5.3	0.2977	0.3997
2022/03/08	11	-4.9	0.2783	0.3931
2022/03/08	12	-4.1	0.2920	0.4019
2022/03/08	13	-3.8	0.3152	0.4398
2022/03/08	14	-3.3	0.3725	0.4289
2022/03/08	15	-2.8	0.4075	0.4019
2022/03/08	16	-2.5	0.4270	0.3573
2022/03/08	17	-3.2	0.4141	0.4230
2022/03/08	18	-4.1	0.4176	0.4731
2022/03/08	19	-3.6	0.4220	0.4826
2022/03/08	20	-3.4	0.4194	0.4093
2022/03/08	21	-3.3	0.3967	0.3633
2022/03/08	22	-2.5	0.3835	0.3570
2022/03/08	23	-2.3	0.3789	0.3495

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/09	00	-1.7	0.3819	0.3249
2022/03/09	01	-2	0.3838	0.2949
2022/03/09	02	-3.1	0.3862	0.3242
2022/03/09	03	-3.6	0.3966	0.3872
2022/03/09	04	-2.8	0.4164	0.4761
2022/03/09	05	-2.9	0.4420	0.5077
2022/03/09	06	-4	0.4570	0.4854
2022/03/09	07	-4.7	0.4410	0.4200
2022/03/09	08	-3.6	0.4146	0.3416
2022/03/09	09	-1.8	0.3829	0.2862
2022/03/09	10	-0.7	0.3642	0.2387
2022/03/09	11	0.1	0.3488	0.2229
2022/03/09	12	0.8	0.3342	0.2100
2022/03/09	13	1.3	0.3310	0.2253
2022/03/09	14	1.8	0.3375	0.2545
2022/03/09	15	2.1	0.3513	0.2942
2022/03/09	16	2.4	0.3720	0.3224
2022/03/09	17	2.4	0.3965	0.3325
2022/03/09	18	1	0.4136	0.3399
2022/03/09	19	0.6	0.3955	0.3357
2022/03/09	20	0	0.3590	0.3220
2022/03/09	21	-0.4	0.3195	0.3004
2022/03/09	22	-1.2	0.3067	0.2885
2022/03/09	23	-1	0.2987	0.2864
2022/03/10	00	0.2	0.2954	0.2995
2022/03/10	01	-0.3	0.2881	0.3186
2022/03/10	02	-1	0.2952	0.3504
2022/03/10	03	-1.2	0.3177	0.3995
2022/03/10	04	-1.8	0.3537	0.4629
2022/03/10	05	-1.8	0.3956	0.4853
2022/03/10	06	-3.4	0.4237	0.4506
2022/03/10	07	-3.5	0.4237	0.3742
2022/03/10	08	-2.6	0.3936	0.3090
2022/03/10	09	-2	0.3574	0.2624
2022/03/10	10	-1.5	0.3316	0.2312
2022/03/10	11	-0.7	0.3199	0.2069
2022/03/10	12	0.1	0.3164	0.1970
2022/03/10	13	0.9	0.3247	0.1991
2022/03/10	14	1.7	0.3330	0.2311
2022/03/10	15	1.8	0.3442	0.2709
2022/03/10	16	2.1	0.3672	0.3188
2022/03/10	17	2.3	0.3991	0.3482
2022/03/10	18	1.1	0.4248	0.3681
2022/03/10	19	0.1	0.4171	0.3642
2022/03/10	20	-0.6	0.3926	0.3510
2022/03/10	21	-1.3	0.3670	0.3363
2022/03/10	22	-0.8	0.3549	0.3291
2022/03/10	23	-1.2	0.3385	0.3282

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/11	00	-1.6	0.3269	0.3357
2022/03/11	01	-1.5	0.3275	0.3499
2022/03/11	02	-1.8	0.3440	0.3714
2022/03/11	03	-2.4	0.3709	0.4136
2022/03/11	04	-2.7	0.4133	0.4675
2022/03/11	05	-2.9	0.4789	0.5073
2022/03/11	06	-3.8	0.5363	0.4936
2022/03/11	07	-4.3	0.5452	0.4301
2022/03/11	08	-4.1	0.4809	0.3425
2022/03/11	09	-3.8	0.4023	0.2756
2022/03/11	10	-3	0.3406	0.2443
2022/03/11	11	-2.6	0.3253	0.2534
2022/03/11	12	-1.3	0.3252	0.2717
2022/03/11	13	-1.1	0.3438	0.3014
2022/03/11	14	-1.8	0.3633	0.3351
2022/03/11	15	-2.2	0.3901	0.3658
2022/03/11	16	-2.2	0.4072	0.3803
2022/03/11	17	-2.3	0.4154	0.3783
2022/03/11	18	-2.3	0.4097	0.3742
2022/03/11	19	-2.3	0.3998	0.3606
2022/03/11	20	-2.2	0.3894	0.3410
2022/03/11	21	-2.3	0.3710	0.3184
2022/03/11	22	-2.4	0.3480	0.3060
2022/03/11	23	-2.3	0.3261	0.2884
2022/03/12	00	-2.4	0.3170	0.3404
2022/03/12	01	-2.5	0.3192	0.4013
2022/03/12	02	-2.5	0.3309	0.4180
2022/03/12	03	-2.4	0.3513	0.3783
2022/03/12	04	-2.2	0.3855	0.3365
2022/03/12	05	-4.1	0.4411	0.4044
2022/03/12	06	-4.3	0.5038	0.4636
2022/03/12	07	-4.1	0.5477	0.5044
2022/03/12	08	-4	0.5408	0.4589
2022/03/12	09	-4.3	0.4838	0.4291
2022/03/12	10	-5.1	0.4053	0.4254
2022/03/12	11	-6	0.3436	0.4510
2022/03/12	12	-6.2	0.3184	0.4568
2022/03/12	13	-6	0.3193	0.4519
2022/03/12	14	-6	0.3490	0.4655
2022/03/12	15	-5.3	0.3797	0.4794
2022/03/12	16	-5.1	0.4300	0.4769
2022/03/12	17	-5.3	0.4650	0.4684
2022/03/12	18	-6.6	0.4958	0.4727
2022/03/12	19	-7.4	0.4978	0.4921
2022/03/12	20	-7.7	0.4880	0.4742
2022/03/12	21	-8.1	0.4706	0.4471
2022/03/12	22	-8.7	0.4613	0.4143
2022/03/12	23	-9.2	0.4545	0.4577

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/13	00	-9.6	0.4522	0.5178
2022/03/13	01	-9.9	0.4553	0.5884
2022/03/13	02	-10.3	0.4620	0.5464
2022/03/13	03	-10.9	0.4807	0.4842
2022/03/13	04	-11.4	0.4940	0.4297
2022/03/13	05	-12	0.5200	0.4795
2022/03/13	06	-12.5	0.5371	0.4977
2022/03/13	07	-12.7	0.5487	0.4845
2022/03/13	08	-11.7	0.5458	0.4326
2022/03/13	09	-10.3	0.5276	0.3969
2022/03/13	10	-8.9	0.5029	0.3801
2022/03/13	11	-8.1	0.4784	0.3717
2022/03/13	12	-6.7	0.4646	0.3824
2022/03/13	13	-5.3	0.4550	0.3838
2022/03/13	14	-4.3	0.4376	0.4005
2022/03/13	15	-3.8	0.4319	0.4245
2022/03/13	16	-3.5	0.4530	0.4618
2022/03/13	17	-3.8	0.4957	0.4663
2022/03/13	18	-5.3	0.5060	0.4505
2022/03/13	19	-4.9	0.4699	0.4207
2022/03/13	20	-4.7	0.4101	0.3904
2022/03/13	21	-5.1	0.3897	0.3735
2022/03/13	22	-5	0.4033	0.3671
2022/03/13	23	-5	0.4305	0.3720
2022/03/14	00	-4.7	0.4241	0.3812
2022/03/14	01	-4.1	0.4014	0.3950
2022/03/14	02	-3.4	0.3777	0.4255
2022/03/14	03	-3	0.3866	0.4653
2022/03/14	04	-2.9	0.4166	0.4989
2022/03/14	05	-2.4	0.4477	0.4862
2022/03/14	06	-2.2	0.4583	0.4144
2022/03/14	07	-2.4	0.4443	0.3286
2022/03/14	08	-2.5	0.4193	0.2650
2022/03/14	09	-1.2	0.3848	0.2481
2022/03/14	10	0.2	0.3411	0.2331
2022/03/14	11	0.8	0.3013	0.2142
2022/03/14	12	2.8	0.2766	0.2082
2022/03/14	13	3.8	0.2961	0.2231
2022/03/14	14	4.9	0.3397	0.2625
2022/03/14	15	4.6	0.3791	0.2985
2022/03/14	16	4.3	0.3799	0.3270
2022/03/14	17	4	0.3609	0.3354
2022/03/14	18	3.9	0.3498	0.3258
2022/03/14	19	2.4	0.3516	0.3061
2022/03/14	20	1.6	0.3453	0.2871
2022/03/14	21	1.4	0.3220	0.2739
2022/03/14	22	1.1	0.3085	0.2697
2022/03/14	23	1	0.3107	0.2780

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/15	00	0.8	0.3312	0.2935
2022/03/15	01	0.4	0.3264	0.3156
2022/03/15	02	0.2	0.3162	0.3526
2022/03/15	03	-0.6	0.3247	0.4025
2022/03/15	04	-1.2	0.3934	0.4489
2022/03/15	05	-2.1	0.4711	0.4500
2022/03/15	06	-2.7	0.5106	0.3959
2022/03/15	07	-3	0.4777	0.3145
2022/03/15	08	-1.5	0.4123	0.2391
2022/03/15	09	0.2	0.3403	0.1969
2022/03/15	10	1.4	0.2862	0.1767
2022/03/15	11	2	0.2539	0.1783
2022/03/15	12	2.2	0.2416	0.1899
2022/03/15	13	2.5	0.2387	0.2182
2022/03/15	14	2.7	0.2386	0.2495
2022/03/15	15	2.7	0.2535	0.2818
2022/03/15	16	2.7	0.2844	0.2997
2022/03/15	17	2.4	0.3177	0.3167
2022/03/15	18	1.8	0.3367	0.3179
2022/03/15	19	0.3	0.3372	0.3120
2022/03/15	20	-0.8	0.3220	0.2998
2022/03/15	21	-2.3	0.3028	0.2964
2022/03/15	22	-1.4	0.2875	0.3055
2022/03/15	23	-1.5	0.2843	0.3215
2022/03/16	00	-1.9	0.2878	0.3448
2022/03/16	01	-1.7	0.3006	0.3669
2022/03/16	02	-2.2	0.3231	0.4016
2022/03/16	03	-2.5	0.3657	0.3734
2022/03/16	04	-2.2	0.4171	0.3362
2022/03/16	05	-2.3	0.4633	0.3360
2022/03/16	06	-2.5	0.4640	0.3964
2022/03/16	07	-1.8	0.4137	0.4660
2022/03/16	08	0.8	0.3253	0.4082
2022/03/16	09	2.1	0.2477	0.3453
2022/03/16	10	2.8	0.1999	0.2747
2022/03/16	11	3.7	0.1751	0.3149
2022/03/16	12	4.1	0.1636	0.3248
2022/03/16	13	4.3	0.1562	0.3187
2022/03/16	14	5.2	0.1687	0.2857
2022/03/16	15	5.1	0.1866	0.2857
2022/03/16	16	5	0.2159	0.3227
2022/03/16	17	4.2	0.2406	0.3059
2022/03/16	18	3.3	0.2639	0.2801
2022/03/16	19	2.8	0.2736	0.2235
2022/03/16	20	2.3	0.2695	0.2758
2022/03/16	21	2.2	0.2533	0.3413
2022/03/16	22	1.9	0.2391	0.3904
2022/03/16	23	1	0.2312	0.3194

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/17	00	0.2	0.2316	0.2447
2022/03/17	01	0	0.2363	0.2114
2022/03/17	02	0	0.2480	0.2350
2022/03/17	03	0.4	0.2752	0.2340
2022/03/17	04	1.1	0.3238	0.2050
2022/03/17	05	1.3	0.3793	0.1982
2022/03/17	06	1.1	0.4129	0.2188
2022/03/17	07	1.1	0.4047	0.2551
2022/03/17	08	2.8	0.3744	0.2173
2022/03/17	09	5.5	0.3360	0.1720
2022/03/17	10	8.1	0.3001	0.1176
2022/03/17	11	10.8	0.2610	0.1064
2022/03/17	12	12.7	0.2390	0.1006
2022/03/17	13	14	0.2346	0.1102
2022/03/17	14	15	0.2248	0.1219
2022/03/17	15	15.4	0.2174	0.1366
2022/03/17	16	14.7	0.2138	0.1433
2022/03/17	17	13.9	0.2341	0.1418
2022/03/17	18	12.3	0.2541	0.1375
2022/03/17	19	11.4	0.2674	0.1279
2022/03/17	20	11.1	0.2676	0.1255
2022/03/17	21	10	0.2577	0.1204
2022/03/17	22	8.5	0.2457	0.1267
2022/03/17	23	8	0.2429	0.1408
2022/03/18	00	7.8	0.2496	0.1620
2022/03/18	01	5	0.2608	0.1972
2022/03/18	02	4.6	0.2771	0.2516
2022/03/18	03	4.8	0.3044	0.3046
2022/03/18	04	2.5	0.3562	0.3102
2022/03/18	05	3.5	0.4099	0.2838
2022/03/18	06	3.1	0.4364	0.2503
2022/03/18	07	2.6	0.3995	0.2435
2022/03/18	08	4	0.3294	0.2460
2022/03/18	09	4.3	0.3054	0.2530
2022/03/18	10	5.2	0.3054	0.2551
2022/03/18	11	5.7	0.3050	0.2545
2022/03/18	12	6.5	0.2560	0.2462
2022/03/18	13	8.2	0.2126	0.2355
2022/03/18	14	8.9	0.2039	0.2386
2022/03/18	15	9.9	0.2198	0.2475
2022/03/18	16	9.8	0.2482	0.2618
2022/03/18	17	7.7	0.2681	0.2578
2022/03/18	18	5.9	0.2764	0.2491
2022/03/18	19	5.3	0.2747	0.2365
2022/03/18	20	4.8	0.2612	0.2309
2022/03/18	21	4.9	0.2404	0.2310
2022/03/18	22	4.4	0.2197	0.2357
2022/03/18	23	4.5	0.2088	0.2501

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/19	00	4.4	0.2079	0.2652
2022/03/19	01	4.2	0.2160	0.3001
2022/03/19	02	4	0.2289	0.3375
2022/03/19	03	4	0.2535	0.3920
2022/03/19	04	3.4	0.2927	0.4285
2022/03/19	05	3.4	0.3448	0.4374
2022/03/19	06	2.7	0.3892	0.4134
2022/03/19	07	2.4	0.4010	0.3877
2022/03/19	08	2.1	0.3830	0.3677
2022/03/19	09	2.2	0.3471	0.3519
2022/03/19	10	2.3	0.3193	0.3368
2022/03/19	11	2.4	0.2975	0.3325
2022/03/19	12	2.4	0.2908	0.3343
2022/03/19	13	2.5	0.2873	0.3428
2022/03/19	14	2.5	0.2867	0.3458
2022/03/19	15	2.5	0.2893	0.3493
2022/03/19	16	2.5	0.2937	0.3401
2022/03/19	17	2.4	0.2980	0.3313
2022/03/19	18	2.4	0.2938	0.3120
2022/03/19	19	2.2	0.2813	0.2938
2022/03/19	20	2.1	0.2679	0.2720
2022/03/19	21	1.7	0.2466	0.2595
2022/03/19	22	1.5	0.2284	0.2541
2022/03/19	23	1.4	0.2121	0.2585
2022/03/20	00	1.4	0.2146	0.2673
2022/03/20	01	1.6	0.2293	0.2895
2022/03/20	02	1.5	0.2370	0.3231
2022/03/20	03	4.8	0.2421	0.3655
2022/03/20	04	4.8	0.2463	0.4020
2022/03/20	05	4.8	0.2689	0.3842
2022/03/20	06	4.3	0.2833	0.3422
2022/03/20	07	3.8	0.2829	0.3041
2022/03/20	08	3.7	0.2715	0.3293
2022/03/20	09	3.8	0.2702	0.3618
2022/03/20	10	3.9	0.2823	0.3697
2022/03/20	11	4.2	0.2819	0.3513
2022/03/20	12	3.6	0.2681	0.3481
2022/03/20	13	4.2	0.2571	0.3800
2022/03/20	14	4.2	0.2911	0.3750
2022/03/20	15	4.5	0.3377	0.3633
2022/03/20	16	5.5	0.3596	0.3216
2022/03/20	17	6.8	0.3298	0.3712
2022/03/20	18	6	0.2962	0.4232
2022/03/20	19	4.7	0.2921	0.4562
2022/03/20	20	4.1	0.3106	0.4029
2022/03/20	21	2.3	0.3125	0.3475
2022/03/20	22	1.2	0.2996	0.3159
2022/03/20	23	1.4	0.3019	0.3133

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/21	00	0.7	0.3448	0.2919
2022/03/21	01	0.7	0.3921	0.2670
2022/03/21	02	-0.9	0.3727	0.2722
2022/03/21	03	-0.6	0.3172	0.2962
2022/03/21	04	-1.3	0.2825	0.3211
2022/03/21	05	-2.8	0.3201	0.2891
2022/03/21	06	-1.5	0.3441	0.2521
2022/03/21	07	-1	0.3278	0.2140
2022/03/21	08	1.2	0.2778	0.2334
2022/03/21	09	2.3	0.2443	0.2494
2022/03/21	10	3.3	0.2240	0.2714
2022/03/21	11	4	0.2104	0.2447
2022/03/21	12	4.7	0.2055	0.2359
2022/03/21	13	5.4	0.2049	0.2274
2022/03/21	14	5.5	0.2186	0.2541
2022/03/21	15	5.3	0.2436	0.2792
2022/03/21	16	5.2	0.2827	0.3036
2022/03/21	17	4.7	0.3100	0.3123
2022/03/21	18	2.6	0.3219	0.3017
2022/03/21	19	1.6	0.3147	0.2902
2022/03/21	20	0.6	0.3043	0.2847
2022/03/21	21	-0.2	0.2936	0.2952
2022/03/21	22	-1.3	0.2908	0.3163
2022/03/21	23	-1.6	0.2944	0.3459
2022/03/22	00	-1.6	0.3067	0.3755
2022/03/22	01	-2	0.3322	0.4261
2022/03/22	02	-2.1	0.3792	0.4870
2022/03/22	03	-2.9	0.4493	0.5440
2022/03/22	04	-3.1	0.5143	0.5240
2022/03/22	05	-3.9	0.5270	0.4530
2022/03/22	06	-5.2	0.4751	0.3598
2022/03/22	07	-3.8	0.3935	0.3053
2022/03/22	08	-3	0.3273	0.2748
2022/03/22	09	-1.6	0.2864	0.2594
2022/03/22	10	-0.4	0.2513	0.2451
2022/03/22	11	0.1	0.2230	0.2334
2022/03/22	12	1.6	0.2014	0.2273
2022/03/22	13	2.9	0.1957	0.2352
2022/03/22	14	3.9	0.1985	0.2512
2022/03/22	15	4.2	0.2164	0.2827
2022/03/22	16	4.7	0.2443	0.3099
2022/03/22	17	4.9	0.2746	0.3271
2022/03/22	18	3	0.2924	0.3234
2022/03/22	19	3.1	0.2925	0.3092
2022/03/22	20	0.8	0.2814	0.3054
2022/03/22	21	1.2	0.2705	0.3049
2022/03/22	22	0.2	0.2668	0.3227
2022/03/22	23	0.6	0.2753	0.3441

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/23	00	-0.3	0.2914	0.3794
2022/03/23	01	-2	0.3136	0.4305
2022/03/23	02	-2.8	0.3549	0.4925
2022/03/23	03	-3.9	0.4187	0.5391
2022/03/23	04	-4.3	0.4881	0.5169
2022/03/23	05	-4.5	0.5159	0.4519
2022/03/23	06	-5.5	0.4928	0.3749
2022/03/23	07	-2.9	0.4400	0.3414
2022/03/23	08	-1.9	0.3972	0.3181
2022/03/23	09	-0.4	0.3528	0.2938
2022/03/23	10	0.6	0.3141	0.2628
2022/03/23	11	1.4	0.2712	0.2545
2022/03/23	12	2.7	0.2437	0.2730
2022/03/23	13	3.6	0.2367	0.2950
2022/03/23	14	3.2	0.2547	0.3183
2022/03/23	15	3.8	0.2864	0.3357
2022/03/23	16	3.2	0.3100	0.3507
2022/03/23	17	3	0.3138	0.3489
2022/03/23	18	2.4	0.3072	0.3293
2022/03/23	19	1.9	0.2886	0.3046
2022/03/23	20	1.9	0.2703	0.2871
2022/03/23	21	1.4	0.2531	0.2851
2022/03/23	22	0.6	0.2450	0.2912
2022/03/23	23	0.6	0.2468	0.3040
2022/03/24	00	0.2	0.2553	0.3156
2022/03/24	01	0.3	0.2625	0.3547
2022/03/24	02	0.5	0.2636	0.4017
2022/03/24	03	1	0.2772	0.4481
2022/03/24	04	1.2	0.2868	0.4482
2022/03/24	05	1.5	0.3147	0.4142
2022/03/24	06	1.5	0.3455	0.3719
2022/03/24	07	1.7	0.3790	0.3430
2022/03/24	08	2.1	0.3544	0.3285
2022/03/24	09	2.5	0.2995	0.3025
2022/03/24	10	3.6	0.2612	0.2729
2022/03/24	11	3.7	0.3014	0.2591
2022/03/24	12	4.8	0.3459	0.2642
2022/03/24	13	7	0.3588	0.3135
2022/03/24	14	8.1	0.3073	0.3024
2022/03/24	15	8.8	0.2645	0.2938
2022/03/24	16	9.4	0.2488	0.2492
2022/03/24	17	10.1	0.2837	0.2948
2022/03/24	18	8.1	0.3114	0.3223
2022/03/24	19	7.1	0.3196	0.3121
2022/03/24	20	6	0.3042	0.2709
2022/03/24	21	5.8	0.3111	0.2453
2022/03/24	22	5.1	0.3319	0.2567
2022/03/24	23	5.1	0.3365	0.2338

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/25	00	4.3	0.3245	0.2057
2022/03/25	01	3.8	0.3162	0.1760
2022/03/25	02	3	0.3365	0.1960
2022/03/25	03	2.6	0.3485	0.2129
2022/03/25	04	2.3	0.3378	0.2310
2022/03/25	05	1.8	0.3178	0.2074
2022/03/25	06	1.3	0.3015	0.1923
2022/03/25	07	3.1	0.2998	0.1873
2022/03/25	08	5.8	0.2807	0.1985
2022/03/25	09	6.6	0.2572	0.2095
2022/03/25	10	8.1	0.2236	0.2131
2022/03/25	11	8.1	0.2192	0.2229
2022/03/25	12	9.6	0.2345	0.2410
2022/03/25	13	8.6	0.2641	0.2579
2022/03/25	14	8.1	0.2800	0.2599
2022/03/25	15	6.5	0.2782	0.2602
2022/03/25	16	5	0.2792	0.2791
2022/03/25	17	4.8	0.2784	0.2857
2022/03/25	18	4.2	0.2849	0.2881
2022/03/25	19	3.6	0.2747	0.2711
2022/03/25	20	3	0.2608	0.2663
2022/03/25	21	2.9	0.2421	0.2553
2022/03/25	22	2.4	0.2342	0.2466
2022/03/25	23	1.8	0.2379	0.2477
2022/03/26	00	1.6	0.2481	0.2572
2022/03/26	01	1.6	0.2600	0.2707
2022/03/26	02	1.4	0.2780	0.2876
2022/03/26	03	1.2	0.3147	0.3172
2022/03/26	04	0.7	0.3657	0.3580
2022/03/26	05	0.8	0.4047	0.4044
2022/03/26	06	0.9	0.4002	0.4121
2022/03/26	07	1	0.3608	0.3867
2022/03/26	08	1.6	0.3084	0.3550
2022/03/26	09	2.9	0.2709	0.3174
2022/03/26	10	4.4	0.2391	0.2878
2022/03/26	11	5.7	0.2222	0.2429
2022/03/26	12	7.8	0.2148	0.2318
2022/03/26	13	6.7	0.2236	0.2248
2022/03/26	14	6.4	0.2398	0.2335
2022/03/26	15	7.2	0.2573	0.2393
2022/03/26	16	7	0.2720	0.2572
2022/03/26	17	6.5	0.2785	0.2718
2022/03/26	18	3.8	0.2812	0.2834
2022/03/26	19	3.4	0.2800	0.2830
2022/03/26	20	3.6	0.2730	0.2745
2022/03/26	21	2.8	0.2676	0.2553
2022/03/26	22	2.5	0.2674	0.2438
2022/03/26	23	2.4	0.2794	0.2425

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/27	00	1.8	0.2999	0.2529
2022/03/27	01	0.1	0.3273	0.2660
2022/03/27	02	-0.4	0.3695	0.2868
2022/03/27	03	-1.3	0.4325	0.3238
2022/03/27	04	-2.6	0.5132	0.3799
2022/03/27	05	-3	0.5729	0.4446
2022/03/27	06	-3.8	0.5845	0.4871
2022/03/27	07	-4.8	0.5461	0.4905
2022/03/27	08	-5.5	0.4890	0.4537
2022/03/27	09	-5.6	0.4492	0.4053
2022/03/27	10	-5.4	0.4227	0.3692
2022/03/27	11	-4.8	0.4208	0.3600
2022/03/27	12	-4.8	0.4175	0.3595
2022/03/27	13	-5.2	0.4386	0.3614
2022/03/27	14	-4.5	0.4634	0.3672
2022/03/27	15	-5.4	0.5004	0.3880
2022/03/27	16	-6.2	0.5284	0.4228
2022/03/27	17	-7	0.5361	0.4569
2022/03/27	18	-8.3	0.5332	0.4889
2022/03/27	19	-9.1	0.5115	0.4963
2022/03/27	20	-9.7	0.4856	0.4881
2022/03/27	21	-10.3	0.4562	0.4656
2022/03/27	22	-10.8	0.4435	0.4573
2022/03/27	23	-11.4	0.4567	0.4589
2022/03/28	00	-11.6	0.4832	0.4812
2022/03/28	01	-11.9	0.5151	0.5056
2022/03/28	02	-12	0.5614	0.5320
2022/03/28	03	-12.6	0.6264	0.5684
2022/03/28	04	-12.6	0.6598	0.6215
2022/03/28	05	-12.8	0.5980	0.6710
2022/03/28	06	-13.2	0.5178	0.6720
2022/03/28	07	-12.8	0.4817	0.6304
2022/03/28	08	-12.9	0.5510	0.5604
2022/03/28	09	-12.5	0.5917	0.5168
2022/03/28	10	-11.8	0.5927	0.4907
2022/03/28	11	-12.2	0.5434	0.4859
2022/03/28	12	-10.8	0.5209	0.4844
2022/03/28	13	-10.9	0.5362	0.4827
2022/03/28	14	-10.1	0.5472	0.4942
2022/03/28	15	-9.4	0.5395	0.5032
2022/03/28	16	-7.8	0.5140	0.5189
2022/03/28	17	-8.5	0.5448	0.4800
2022/03/28	18	-7.8	0.5982	0.4296
2022/03/28	19	-7.7	0.6132	0.3754
2022/03/28	20	-7.7	0.5539	0.4232
2022/03/28	21	-8.3	0.4706	0.4720
2022/03/28	22	-8	0.4498	0.5119
2022/03/28	23	-8.1	0.4621	0.4541

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/29	00	-8.2	0.4718	0.3962
2022/03/29	01	-8.2	0.4525	0.3476
2022/03/29	02	-9.4	0.4468	0.3761
2022/03/29	03	-9.5	0.4647	0.4104
2022/03/29	04	-10	0.4844	0.4439
2022/03/29	05	-10.3	0.4617	0.4182
2022/03/29	06	-10.3	0.4099	0.3882
2022/03/29	07	-9.4	0.3662	0.3635
2022/03/29	08	-8.1	0.3824	0.3917
2022/03/29	09	-6.9	0.4116	0.4290
2022/03/29	10	-6.3	0.4205	0.4681
2022/03/29	11	-4.7	0.3774	0.4557
2022/03/29	12	-2.6	0.3337	0.4398
2022/03/29	13	-2.7	0.3079	0.4132
2022/03/29	14	-1.9	0.3151	0.4426
2022/03/29	15	-0.8	0.3439	0.4928
2022/03/29	16	-0.6	0.3739	0.5669
2022/03/29	17	-0.8	0.3916	0.5275
2022/03/29	18	-1.2	0.3848	0.4589
2022/03/29	19	-1.8	0.3697	0.3731
2022/03/29	20	-2.2	0.3582	0.4503
2022/03/29	21	-3.1	0.3587	0.4922
2022/03/29	22	-4.1	0.3755	0.5008
2022/03/29	23	-4.8	0.4001	0.4272
2022/03/30	00	-5.5	0.4349	0.4060
2022/03/30	01	-6.4	0.4859	0.4223
2022/03/30	02	-7.4	0.5524	0.4515
2022/03/30	03	-7.4	0.6158	0.4940
2022/03/30	04	-8.3	0.6299	0.5534
2022/03/30	05	-8.3	0.5861	0.5911
2022/03/30	06	-8.6	0.5010	0.5631
2022/03/30	07	-6.3	0.4149	0.4761
2022/03/30	08	-2.9	0.3525	0.3834
2022/03/30	09	-1	0.3222	0.3265
2022/03/30	10	0.1	0.3315	0.2953
2022/03/30	11	2	0.3592	0.2672
2022/03/30	12	2.4	0.3979	0.2477
2022/03/30	13	2.3	0.4145	0.2371
2022/03/30	14	3.2	0.4195	0.2605
2022/03/30	15	2	0.4126	0.2924
2022/03/30	16	-1.1	0.4024	0.3304
2022/03/30	17	-1.6	0.3893	0.3492
2022/03/30	18	-1.3	0.3637	0.3605
2022/03/30	19	-1.3	0.3334	0.3570
2022/03/30	20	-1.3	0.3069	0.3391
2022/03/30	21	-1.5	0.2912	0.3135
2022/03/30	22	-1.3	0.2935	0.2993
2022/03/30	23	-1	0.3000	0.2938

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/03/31	00	-1	0.3151	0.2998
2022/03/31	01	-0.9	0.3481	0.3133
2022/03/31	02	-0.8	0.4064	0.3341
2022/03/31	03	-1	0.4652	0.3717
2022/03/31	04	-0.7	0.4881	0.4279
2022/03/31	05	-0.6	0.4650	0.4739
2022/03/31	06	-0.4	0.4191	0.4806
2022/03/31	07	0.1	0.3723	0.4455
2022/03/31	08	0.6	0.3366	0.4056
2022/03/31	09	0.9	0.2990	0.3805
2022/03/31	10	2.7	0.2583	0.3631
2022/03/31	11	2.7	0.2285	0.3383
2022/03/31	12	3.6	0.2291	0.3137
2022/03/31	13	6.2	0.2331	0.2861
2022/03/31	14	7.4	0.2261	0.2783
2022/03/31	15	9.7	0.2197	0.2705
2022/03/31	16	10.8	0.2282	0.2755
2022/03/31	17	8.9	0.2416	0.2756
2022/03/31	18	13.3	0.2354	0.2633
2022/03/31	19	12.2	0.2217	0.2466
2022/03/31	20	10.2	0.2096	0.2251
2022/03/31	21	8.9	0.2046	0.2114
2022/03/31	22	8.1	0.2085	0.2044
2022/03/31	23	7.9	0.2190	0.2062
2022/04/01	00	7.2	0.2348	0.2166
2022/04/01	01	6.3	0.2682	0.2294
2022/04/01	02	5.4	0.3255	0.2460
2022/04/01	03	5	0.3909	0.2781
2022/04/01	04	4	0.4318	0.3287
2022/04/01	05	3.3	0.4234	0.3766
2022/04/01	06	2.9	0.3846	0.3968
2022/04/01	07	2.7	0.3500	0.3774
2022/04/01	08	2.4	0.3482	0.3434
2022/04/01	09	2.1	0.3613	0.3110
2022/04/01	10	2.2	0.3710	0.2859
2022/04/01	11	3.7	0.3518	0.2737
2022/04/01	12	3.3	0.3236	0.2774
2022/04/01	13	3.9	0.3084	0.2927
2022/04/01	14	3	0.3462	0.3070
2022/04/01	15	2	0.4141	0.3252
2022/04/01	16	0.8	0.4440	0.3422
2022/04/01	17	0.9	0.4014	0.3616
2022/04/01	18	1.1	0.3491	0.3650
2022/04/01	19	1	0.3359	0.3582
2022/04/01	20	0.8	0.3594	0.3078
2022/04/01	21	0.5	0.3535	0.2573
2022/04/01	22	0.2	0.3303	0.2095
2022/04/01	23	-0.6	0.3175	0.2418

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/02	00	-1.3	0.3293	0.2726
2022/04/02	01	-1.6	0.3383	0.3109
2022/04/02	02	-1.8	0.3153	0.2803
2022/04/02	03	-2.4	0.2737	0.2613
2022/04/02	04	-2.8	0.2482	0.2535
2022/04/02	05	-3.2	0.2636	0.2876
2022/04/02	06	-3.3	0.2888	0.3194
2022/04/02	07	-1.9	0.2926	0.3464
2022/04/02	08	-0.9	0.2534	0.3341
2022/04/02	09	0.8	0.2134	0.3147
2022/04/02	10	1.8	0.2012	0.2815
2022/04/02	11	3.1	0.2266	0.3123
2022/04/02	12	3.7	0.2589	0.3625
2022/04/02	13	4.8	0.2752	0.4250
2022/04/02	14	5.3	0.2682	0.3861
2022/04/02	15	6	0.2585	0.3317
2022/04/02	16	6.5	0.2523	0.2710
2022/04/02	17	5.9	0.2469	0.3382
2022/04/02	18	4.8	0.2393	0.3829
2022/04/02	19	3.8	0.2259	0.4015
2022/04/02	20	1.7	0.2182	0.3403
2022/04/02	21	2.4	0.2125	0.3095
2022/04/02	22	1.8	0.2154	0.3064
2022/04/02	23	1.4	0.2233	0.3115
2022/04/03	00	-1.9	0.2356	0.3014
2022/04/03	01	-0.5	0.2569	0.2831
2022/04/03	02	-1.2	0.2985	0.3084
2022/04/03	03	-0.9	0.3519	0.3636
2022/04/03	04	-0.7	0.3963	0.4299
2022/04/03	05	-1.3	0.4001	0.4523
2022/04/03	06	-1.1	0.3707	0.4277
2022/04/03	07	0.4	0.3265	0.3847
2022/04/03	08	2.4	0.2816	0.3305
2022/04/03	09	3.5	0.2462	0.2833
2022/04/03	10	4.8	0.2143	0.2363
2022/04/03	11	6.2	0.1942	0.2021
2022/04/03	12	7.5	0.1884	0.1920
2022/04/03	13	7	0.2033	0.1970
2022/04/03	14	5.7	0.2258	0.2275
2022/04/03	15	5	0.2462	0.2603
2022/04/03	16	4.9	0.2575	0.2848
2022/04/03	17	3.1	0.2673	0.2880
2022/04/03	18	2.9	0.2647	0.2732
2022/04/03	19	2.4	0.2539	0.2578
2022/04/03	20	2.3	0.2435	0.2394
2022/04/03	21	2	0.2424	0.2292
2022/04/03	22	2.5	0.2525	0.2291
2022/04/03	23	1.2	0.2680	0.2409

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/04	00	0.6	0.2897	0.2608
2022/04/04	01	0.6	0.3242	0.2890
2022/04/04	02	0.5	0.3858	0.3338
2022/04/04	03	0.8	0.4483	0.3926
2022/04/04	04	0.4	0.4591	0.4300
2022/04/04	05	0.1	0.4015	0.4011
2022/04/04	06	-0.1	0.3126	0.3276
2022/04/04	07	0.4	0.2423	0.2455
2022/04/04	08	2.8	0.1963	0.2002
2022/04/04	09	5.3	0.1717	0.1767
2022/04/04	10	7.9	0.1606	0.1724
2022/04/04	11	8.9	0.1692	0.1774
2022/04/04	12	8.7	0.1874	0.1811
2022/04/04	13	8.8	0.1939	0.1938
2022/04/04	14	9.3	0.2031	0.2033
2022/04/04	15	9.3	0.2088	0.2167
2022/04/04	16	9.4	0.2303	0.2298
2022/04/04	17	9.2	0.2370	0.2391
2022/04/04	18	8.1	0.2368	0.2399
2022/04/04	19	6.3	0.2268	0.2265
2022/04/04	20	6.2	0.2185	0.2094
2022/04/04	21	4.5	0.2142	0.1988
2022/04/04	22	5	0.2217	0.1986
2022/04/04	23	3.6	0.2325	0.2118
2022/04/05	00	3.3	0.2545	0.2303
2022/04/05	01	3.1	0.2917	0.2532
2022/04/05	02	2.5	0.3571	0.2927
2022/04/05	03	2.4	0.4148	0.3592
2022/04/05	04	2.4	0.4197	0.4122
2022/04/05	05	0.5	0.3643	0.3971
2022/04/05	06	0.6	0.2943	0.3199
2022/04/05	07	1.5	0.2422	0.2317
2022/04/05	08	4.5	0.2040	0.1805
2022/04/05	09	7.5	0.1639	0.1531
2022/04/05	10	8.9	0.1348	0.1363
2022/04/05	11	10.3	0.1269	0.1225
2022/04/05	12	10.5	0.1351	0.1127
2022/04/05	13	11.6	0.1660	0.1106
2022/04/05	14	12.3	0.2154	0.1257
2022/04/05	15	12	0.2709	0.1475
2022/04/05	16	12.7	0.2830	0.1659
2022/04/05	17	11.9	0.2547	0.1720
2022/04/05	18	11	0.2183	0.1694
2022/04/05	19	8.3	0.2047	0.1600
2022/04/05	20	7.7	0.2050	0.1523
2022/04/05	21	7.8	0.1889	0.1488
2022/04/05	22	6.8	0.1727	0.1567
2022/04/05	23	5.8	0.1699	0.1813

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/06	00	3.9	0.1805	0.1842
2022/04/06	01	3.1	0.1891	0.1895
2022/04/06	02	3.4	0.1723	0.1777
2022/04/06	03	4.2	0.1447	0.1953
2022/04/06	04	3.3	0.1290	0.2132
2022/04/06	05	3.3	0.1460	0.2162
2022/04/06	06	2.8	0.1776	0.2038
2022/04/06	07	4.4	0.1941	0.1797
2022/04/06	08	7.2	0.1825	0.2134
2022/04/06	09	9.8	0.1675	0.2721
2022/04/06	10	12.4	0.1674	0.3351
2022/04/06	11	13.3	0.1861	0.2759
2022/04/06	12	14.1	0.2155	0.1949
2022/04/06	13	14.9	0.2368	0.1109
2022/04/06	14	15.2	0.2363	0.1147
2022/04/06	15	15.2	0.2156	0.1359
2022/04/06	16	13.5	0.1982	0.1514
2022/04/06	17	12.5	0.2409	0.1684
2022/04/06	18	11.2	0.3016	0.1752
2022/04/06	19	10	0.3246	0.1811
2022/04/06	20	8.5	0.2648	0.1746
2022/04/06	21	8	0.1857	0.1601
2022/04/06	22	7.5	0.1417	0.1566
2022/04/06	23	7.6	0.1341	0.1564
2022/04/07	00	7.2	0.1398	0.1667
2022/04/07	01	5.2	0.1491	0.1801
2022/04/07	02	4.4	0.1645	0.2019
2022/04/07	03	3.8	0.1952	0.2381
2022/04/07	04	3.3	0.2421	0.2953
2022/04/07	05	3.3	0.2973	0.3414
2022/04/07	06	3.5	0.3272	0.3555
2022/04/07	07	3.6	0.3216	0.3299
2022/04/07	08	4.1	0.2940	0.3036
2022/04/07	09	4.5	0.2657	0.2805
2022/04/07	10	5.4	0.2410	0.2723
2022/04/07	11	6.8	0.2166	0.2555
2022/04/07	12	7.1	0.2001	0.2554
2022/04/07	13	7.3	0.2035	0.2490
2022/04/07	14	7.2	0.2164	0.2598
2022/04/07	15	7.3	0.2267	0.2641
2022/04/07	16	7.3	0.2278	0.2749
2022/04/07	17	7.2	0.2285	0.2817
2022/04/07	18	6.7	0.2274	0.2840
2022/04/07	19	6.1	0.2239	0.2736
2022/04/07	20	5.6	0.2101	0.2566
2022/04/07	21	5.2	0.1935	0.2380
2022/04/07	22	4.7	0.1781	0.2324
2022/04/07	23	4.1	0.1695	0.2344

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/08	00	3.4	0.1682	0.2433
2022/04/08	01	2.4	0.1719	0.2562
2022/04/08	02	1.2	0.1847	0.2724
2022/04/08	03	0.5	0.2123	0.3074
2022/04/08	04	0.3	0.2613	0.3642
2022/04/08	05	0.1	0.3174	0.4134
2022/04/08	06	0.1	0.3554	0.4279
2022/04/08	07	0.3	0.3567	0.3894
2022/04/08	08	0.6	0.3320	0.3406
2022/04/08	09	1.2	0.3068	0.3032
2022/04/08	10	2.2	0.2890	0.2785
2022/04/08	11	3.1	0.2815	0.2628
2022/04/08	12	3.4	0.2732	0.2342
2022/04/08	13	5.3	0.2491	0.2155
2022/04/08	14	6.6	0.2156	0.1969
2022/04/08	15	7.9	0.1870	0.1910
2022/04/08	16	9.1	0.1921	0.1867
2022/04/08	17	8	0.2114	0.1955
2022/04/08	18	6.4	0.2306	0.2153
2022/04/08	19	4.3	0.2357	0.2307
2022/04/08	20	3.8	0.2316	0.2320
2022/04/08	21	4.4	0.2179	0.2217
2022/04/08	22	3.8	0.2098	0.2112
2022/04/08	23	3.7	0.2071	0.2103
2022/04/09	00	2.8	0.2184	0.2211
2022/04/09	01	1.9	0.2311	0.2430
2022/04/09	02	1	0.2493	0.2683
2022/04/09	03	-0.1	0.2717	0.3033
2022/04/09	04	-1.9	0.3123	0.3522
2022/04/09	05	-0.9	0.3625	0.4050
2022/04/09	06	-1.5	0.4036	0.4294
2022/04/09	07	1.8	0.4097	0.3927
2022/04/09	08	4	0.3811	0.3192
2022/04/09	09	6.9	0.3378	0.2382
2022/04/09	10	8.5	0.2830	0.1965
2022/04/09	11	9.1	0.2368	0.1844
2022/04/09	12	9.5	0.2046	0.1875
2022/04/09	13	9.6	0.1968	0.1945
2022/04/09	14	8	0.1933	0.1948
2022/04/09	15	9.3	0.1991	0.2043
2022/04/09	16	9.4	0.2023	0.2177
2022/04/09	17	9.5	0.2167	0.2315
2022/04/09	18	8.8	0.2242	0.2368
2022/04/09	19	7.5	0.2357	0.2324
2022/04/09	20	6.3	0.2457	0.2212
2022/04/09	21	4.2	0.2512	0.2102
2022/04/09	22	5.7	0.2540	0.2032
2022/04/09	23	3.1	0.2459	0.2078

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/10	00	2.6	0.2372	0.2195
2022/04/10	01	1.9	0.2285	0.2371
2022/04/10	02	0.6	0.2391	0.2552
2022/04/10	03	-0.2	0.2563	0.2842
2022/04/10	04	1	0.2748	0.3204
2022/04/10	05	1.1	0.2678	0.3589
2022/04/10	06	0.7	0.2571	0.3733
2022/04/10	07	1.5	0.2482	0.3725
2022/04/10	08	2.3	0.2696	0.3497
2022/04/10	09	3.5	0.2854	0.3350
2022/04/10	10	3.2	0.2907	0.3186
2022/04/10	11	4.6	0.2738	0.3093
2022/04/10	12	6.2	0.2731	0.3001
2022/04/10	13	5.7	0.2929	0.2865
2022/04/10	14	7.4	0.3042	0.2840
2022/04/10	15	5.8	0.2943	0.2874
2022/04/10	16	5.5	0.2803	0.2968
2022/04/10	17	5.2	0.3161	0.3014
2022/04/10	18	4.9	0.3636	0.2989
2022/04/10	19	4.4	0.3815	0.2905
2022/04/10	20	4.2	0.3395	0.2772
2022/04/10	21	3.8	0.2982	0.2696
2022/04/10	22	3.3	0.2894	0.2710
2022/04/10	23	2.3	0.3128	0.2820
2022/04/11	00	2.2	0.3223	0.2936
2022/04/11	01	0.6	0.3181	0.3145
2022/04/11	02	-0.9	0.3125	0.3448
2022/04/11	03	-1.3	0.3429	0.3840
2022/04/11	04	-1.8	0.4094	0.3958
2022/04/11	05	-2.8	0.4667	0.3689
2022/04/11	06	-2.8	0.4631	0.3083
2022/04/11	07	0.7	0.3962	0.2473
2022/04/11	08	4	0.3126	0.2089
2022/04/11	09	5.2	0.2542	0.1872
2022/04/11	10	5.8	0.2340	0.1734
2022/04/11	11	7.7	0.2252	0.1596
2022/04/11	12	9.3	0.2080	0.1444
2022/04/11	13	10.5	0.1771	0.1402
2022/04/11	14	10.6	0.1573	0.1431
2022/04/11	15	11.6	0.1658	0.1623
2022/04/11	16	12	0.1848	0.1737
2022/04/11	17	11.9	0.1983	0.1770
2022/04/11	18	11.2	0.2002	0.1672
2022/04/11	19	10.1	0.1924	0.1587
2022/04/11	20	9.6	0.1845	0.1479
2022/04/11	21	8.8	0.1721	0.1412
2022/04/11	22	8.5	0.1628	0.1389
2022/04/11	23	8.8	0.1575	0.1426

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/12	00	8.1	0.1628	0.1466
2022/04/12	01	6.8	0.1720	0.1570
2022/04/12	02	6.8	0.1889	0.1821
2022/04/12	03	6.7	0.2222	0.2253
2022/04/12	04	6.7	0.2839	0.2607
2022/04/12	05	6	0.3393	0.2607
2022/04/12	06	7.1	0.3437	0.2147
2022/04/12	07	7.2	0.2898	0.1630
2022/04/12	08	9.5	0.2182	0.1291
2022/04/12	09	10.8	0.1698	0.1171
2022/04/12	10	13.3	0.1398	0.1079
2022/04/12	11	13.4	0.1183	0.0997
2022/04/12	12	14.5	0.1015	0.0927
2022/04/12	13	15.5	0.0934	0.0942
2022/04/12	14	16.2	0.0916	0.1039
2022/04/12	15	17.1	0.0968	0.1171
2022/04/12	16	16.7	0.1111	0.1309
2022/04/12	17	17.2	0.1290	0.1347
2022/04/12	18	15.6	0.1425	0.1292
2022/04/12	19	14.2	0.1425	0.1190
2022/04/12	20	12.4	0.1358	0.1094
2022/04/12	21	11.5	0.1265	0.1108
2022/04/12	22	10.9	0.1252	0.1159
2022/04/12	23	8.3	0.1286	0.1280
2022/04/13	00	8.5	0.1389	0.1415
2022/04/13	01	8.1	0.1485	0.1599
2022/04/13	02	7.4	0.1642	0.1933
2022/04/13	03	7.7	0.1948	0.2458
2022/04/13	04	6.9	0.2525	0.2944
2022/04/13	05	6.7	0.3095	0.3064
2022/04/13	06	6.8	0.3440	0.2808
2022/04/13	07	7.8	0.3315	0.2431
2022/04/13	08	8.6	0.3049	0.2187
2022/04/13	09	9.8	0.2790	0.2133
2022/04/13	10	8.7	0.2680	0.2089
2022/04/13	11	8.7	0.2535	0.2123
2022/04/13	12	8.3	0.2378	0.2148
2022/04/13	13	8.6	0.2291	0.2305
2022/04/13	14	8.8	0.2363	0.2462
2022/04/13	15	9.2	0.2485	0.2516
2022/04/13	16	8.6	0.2523	0.2487
2022/04/13	17	8.3	0.2504	0.2397
2022/04/13	18	6.7	0.2410	0.2289
2022/04/13	19	6.5	0.2320	0.2163
2022/04/13	20	6.5	0.2146	0.1978
2022/04/13	21	6.5	0.1964	0.1880
2022/04/13	22	6.5	0.1734	0.1772
2022/04/13	23	6.2	0.1564	0.1788

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/14	00	6.2	0.1469	0.1855
2022/04/14	01	6.2	0.1512	0.2017
2022/04/14	02	6.2	0.1586	0.2281
2022/04/14	03	6.1	0.1709	0.2702
2022/04/14	04	6.4	0.1797	0.3037
2022/04/14	05	6.3	0.1886	0.3106
2022/04/14	06	6.4	0.1951	0.2865
2022/04/14	07	6.6	0.1980	0.2595
2022/04/14	08	6.6	0.2005	0.2452
2022/04/14	09	7.2	0.2152	0.2165
2022/04/14	10	8.6	0.2432	0.1890
2022/04/14	11	9.2	0.2462	0.1621
2022/04/14	12	10	0.2275	0.1612
2022/04/14	13	12.7	0.2070	0.1686
2022/04/14	14	14.5	0.2403	0.1825
2022/04/14	15	15.2	0.2771	0.1912
2022/04/14	16	12.2	0.2846	0.1952
2022/04/14	17	13.4	0.2535	0.1981
2022/04/14	18	11.8	0.2287	0.2005
2022/04/14	19	9.6	0.2326	0.1996
2022/04/14	20	8.2	0.2438	0.1927
2022/04/14	21	6.5	0.2483	0.1867
2022/04/14	22	6.8	0.2391	0.1899
2022/04/14	23	5.3	0.2502	0.1935
2022/04/15	00	4.3	0.2894	0.2066
2022/04/15	01	4.3	0.3287	0.2225
2022/04/15	02	2.6	0.3094	0.2474
2022/04/15	03	2.8	0.2457	0.2776
2022/04/15	04	2.6	0.2075	0.2983
2022/04/15	05	1.2	0.2473	0.2864
2022/04/15	06	1.8	0.2854	0.2519
2022/04/15	07	5.4	0.3009	0.2129
2022/04/15	08	8.4	0.2707	0.1900
2022/04/15	09	10.6	0.2527	0.1773
2022/04/15	10	10.9	0.2264	0.1677
2022/04/15	11	12.7	0.2126	0.1637
2022/04/15	12	11.7	0.2105	0.1526
2022/04/15	13	10.1	0.2181	0.1523
2022/04/15	14	11.7	0.2251	0.1511
2022/04/15	15	13.3	0.2270	0.1660
2022/04/15	16	12.4	0.2349	0.1773
2022/04/15	17	11.4	0.2361	0.1935
2022/04/15	18	10	0.2409	0.1967
2022/04/15	19	9.5	0.2346	0.1962
2022/04/15	20	6.8	0.2271	0.1819
2022/04/15	21	5.7	0.2160	0.1701
2022/04/15	22	6	0.2146	0.1623
2022/04/15	23	5.8	0.2229	0.1686

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/16	00	4.4	0.2404	0.1861
2022/04/16	01	3	0.2621	0.2069
2022/04/16	02	2.6	0.2909	0.2444
2022/04/16	03	1.6	0.3427	0.2902
2022/04/16	04	1.8	0.3911	0.3479
2022/04/16	05	1.2	0.4153	0.3668
2022/04/16	06	0.6	0.3995	0.3453
2022/04/16	07	1.8	0.3592	0.2915
2022/04/16	08	2.2	0.3255	0.2514
2022/04/16	09	2.7	0.2984	0.2200
2022/04/16	10	3.6	0.2815	0.1938
2022/04/16	11	4.5	0.2595	0.1709
2022/04/16	12	5.1	0.2415	0.1624
2022/04/16	13	5.9	0.2428	0.1890
2022/04/16	14	6	0.2550	0.2161
2022/04/16	15	6.1	0.2699	0.2503
2022/04/16	16	7	0.2793	0.2527
2022/04/16	17	5.3	0.2828	0.2578
2022/04/16	18	4.3	0.2865	0.2529
2022/04/16	19	3.5	0.2794	0.2483
2022/04/16	20	3.2	0.2695	0.2369
2022/04/16	21	2.8	0.2572	0.2285
2022/04/16	22	2.3	0.2519	0.2291
2022/04/16	23	2.4	0.2582	0.2377
2022/04/17	00	0.5	0.2692	0.2540
2022/04/17	01	-0.7	0.2838	0.2761
2022/04/17	02	-0.6	0.3074	0.3113
2022/04/17	03	-0.4	0.3463	0.3612
2022/04/17	04	-1.5	0.3981	0.4063
2022/04/17	05	-1.6	0.4318	0.4101
2022/04/17	06	-0.9	0.4174	0.3683
2022/04/17	07	0.1	0.3664	0.3080
2022/04/17	08	1.2	0.3090	0.2700
2022/04/17	09	3.2	0.2717	0.2498
2022/04/17	10	4.4	0.2424	0.2357
2022/04/17	11	4.9	0.2163	0.2178
2022/04/17	12	5.6	0.1908	0.2131
2022/04/17	13	6.5	0.1744	0.2121
2022/04/17	14	8.1	0.1653	0.2223
2022/04/17	15	7.5	0.1664	0.2250
2022/04/17	16	8.7	0.1786	0.2336
2022/04/17	17	8.1	0.2016	0.2408
2022/04/17	18	7.5	0.2239	0.2459
2022/04/17	19	6.1	0.2348	0.2458
2022/04/17	20	3.8	0.2347	0.2362
2022/04/17	21	2.9	0.2325	0.2360
2022/04/17	22	2.1	0.2349	0.2394
2022/04/17	23	2.7	0.2450	0.2582

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/18	00	0.1	0.2621	0.2783
2022/04/18	01	-1.3	0.2738	0.3096
2022/04/18	02	-0.1	0.2691	0.3552
2022/04/18	03	-0.6	0.2687	0.4070
2022/04/18	04	-1.7	0.2801	0.4336
2022/04/18	05	-3.7	0.3203	0.4027
2022/04/18	06	-1.9	0.3643	0.3333
2022/04/18	07	1.1	0.3735	0.2665
2022/04/18	08	2.5	0.3247	0.2321
2022/04/18	09	4	0.2495	0.2161
2022/04/18	10	5.4	0.2144	0.2050
2022/04/18	11	7.9	0.2366	0.1907
2022/04/18	12	8.2	0.2579	0.1870
2022/04/18	13	10.1	0.2529	0.2019
2022/04/18	14	11.2	0.2193	0.2242
2022/04/18	15	10.9	0.2023	0.2457
2022/04/18	16	10.5	0.2060	0.2560
2022/04/18	17	9.5	0.2183	0.2582
2022/04/18	18	9	0.2171	0.2573
2022/04/18	19	8.3	0.2052	0.2505
2022/04/18	20	7.9	0.2059	0.2478
2022/04/18	21	7	0.2410	0.2440
2022/04/18	22	4.6	0.2710	0.2460
2022/04/18	23	4.1	0.2577	0.2506
2022/04/19	00	4	0.2131	0.2562
2022/04/19	01	3.6	0.1943	0.2791
2022/04/19	02	2.4	0.2347	0.3134
2022/04/19	03	2.1	0.2816	0.3508
2022/04/19	04	1.9	0.3063	0.3620
2022/04/19	05	1.4	0.2976	0.3513
2022/04/19	06	1.1	0.2840	0.3331
2022/04/19	07	0.8	0.2779	0.3166
2022/04/19	08	0.7	0.2690	0.2961
2022/04/19	09	1	0.2616	0.2792
2022/04/19	10	2.1	0.2507	0.2625
2022/04/19	11	2.8	0.2479	0.2614
2022/04/19	12	2.8	0.2463	0.2700
2022/04/19	13	2.4	0.2480	0.2835
2022/04/19	14	2.9	0.2558	0.2998
2022/04/19	15	2.8	0.2646	0.3041
2022/04/19	16	3.7	0.2743	0.3005
2022/04/19	17	3.8	0.2787	0.2893
2022/04/19	18	3.2	0.2840	0.2713
2022/04/19	19	2.9	0.2791	0.2542
2022/04/19	20	3.1	0.2645	0.2440
2022/04/19	21	3.3	0.2498	0.2461
2022/04/19	22	3.1	0.2418	0.2609
2022/04/19	23	2.2	0.2471	0.2811

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/20	00	1.6	0.2568	0.3092
2022/04/20	01	1.3	0.2726	0.3503
2022/04/20	02	1.2	0.3018	0.4035
2022/04/20	03	1.1	0.3502	0.4422
2022/04/20	04	0.9	0.4077	0.4403
2022/04/20	05	0.9	0.4352	0.3943
2022/04/20	06	0.5	0.4039	0.3453
2022/04/20	07	1	0.3313	0.3006
2022/04/20	08	1.2	0.2646	0.2624
2022/04/20	09	2.1	0.2251	0.2229
2022/04/20	10	2.8	0.2045	0.1975
2022/04/20	11	4.4	0.1882	0.1821
2022/04/20	12	5.9	0.1731	0.1751
2022/04/20	13	6.5	0.1654	0.1768
2022/04/20	14	7.4	0.1620	0.1811
2022/04/20	15	8.2	0.1682	0.1927
2022/04/20	16	8	0.1796	0.2091
2022/04/20	17	8.3	0.1939	0.2281
2022/04/20	18	7.8	0.2098	0.2301
2022/04/20	19	6.9	0.2159	0.2222
2022/04/20	20	3.6	0.2127	0.2190
2022/04/20	21	2.8	0.2055	0.2274
2022/04/20	22	2.8	0.2051	0.2418
2022/04/20	23	1.2	0.2118	0.2591
2022/04/21	00	0.6	0.2220	0.2852
2022/04/21	01	0.1	0.2346	0.3236
2022/04/21	02	0.8	0.2586	0.3701
2022/04/21	03	0.7	0.3036	0.4041
2022/04/21	04	1.8	0.3560	0.3977
2022/04/21	05	1.9	0.3838	0.3424
2022/04/21	06	3	0.3738	0.2694
2022/04/21	07	3.4	0.3411	0.2070
2022/04/21	08	6.5	0.3185	0.1820
2022/04/21	09	10.1	0.3023	0.1860
2022/04/21	10	11.8	0.2919	0.2015
2022/04/21	11	12.3	0.2777	0.2191
2022/04/21	12	9.5	0.2679	0.2290
2022/04/21	13	8.7	0.2585	0.2450
2022/04/21	14	8.8	0.2452	0.2514
2022/04/21	15	8.9	0.2281	0.2457
2022/04/21	16	9	0.2170	0.2308
2022/04/21	17	9.6	0.2189	0.2115
2022/04/21	18	9.9	0.2215	0.1939
2022/04/21	19	9.2	0.2118	0.1732
2022/04/21	20	9	0.1932	0.1610
2022/04/21	21	7.2	0.1778	0.1578
2022/04/21	22	7.6	0.1693	0.1650
2022/04/21	23	6.6	0.1702	0.1804

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/22	00	5.5	0.1745	0.2031
2022/04/22	01	5.9	0.1872	0.2440
2022/04/22	02	5.7	0.2116	0.2943
2022/04/22	03	6.1	0.2647	0.3184
2022/04/22	04	5.8	0.3081	0.3077
2022/04/22	05	5.2	0.3099	0.2687
2022/04/22	06	5.3	0.2640	0.2364
2022/04/22	07	6.1	0.2293	0.2163
2022/04/22	08	6.6	0.2274	0.2017
2022/04/22	09	7.9	0.2292	0.1900
2022/04/22	10	9.7	0.2124	0.1758
2022/04/22	11	9.4	0.1886	0.1694
2022/04/22	12	10.5	0.1838	0.1762
2022/04/22	13	11.8	0.1922	0.1858
2022/04/22	14	12.3	0.1895	0.1898
2022/04/22	15	11.8	0.1766	0.1903
2022/04/22	16	11.8	0.1674	0.1967
2022/04/22	17	11.2	0.1977	0.2032
2022/04/22	18	10.6	0.2506	0.2055
2022/04/22	19	9.3	0.2810	0.2072
2022/04/22	20	7.5	0.2489	0.2159
2022/04/22	21	5.5	0.1909	0.2280
2022/04/22	22	4.5	0.1682	0.2426
2022/04/22	23	2.1	0.2020	0.2416
2022/04/23	00	2.1	0.2462	0.2364
2022/04/23	01	0.7	0.2525	0.2424
2022/04/23	02	1.2	0.2268	0.2777
2022/04/23	03	0.4	0.2045	0.3102
2022/04/23	04	0.8	0.2115	0.3187
2022/04/23	05	-0.1	0.2407	0.3094
2022/04/23	06	1.8	0.2508	0.2822
2022/04/23	07	2.9	0.2410	0.2553
2022/04/23	08	3.9	0.2136	0.2224
2022/04/23	09	5.1	0.1993	0.2105
2022/04/23	10	6	0.1911	0.1985
2022/04/23	11	6.9	0.1888	0.1850
2022/04/23	12	8.1	0.1973	0.1803
2022/04/23	13	9.5	0.2092	0.1849
2022/04/23	14	9.2	0.2173	0.2004
2022/04/23	15	9.6	0.2151	0.2143
2022/04/23	16	9.5	0.2140	0.2229
2022/04/23	17	9.3	0.2136	0.2182
2022/04/23	18	8.7	0.2062	0.2065
2022/04/23	19	8	0.1906	0.1902
2022/04/23	20	6.8	0.1759	0.1870
2022/04/23	21	7	0.1666	0.1826
2022/04/23	22	6.7	0.1657	0.1873
2022/04/23	23	6.8	0.1677	0.1925

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/24	00	6.6	0.1715	0.2088
2022/04/24	01	6.7	0.1824	0.2353
2022/04/24	02	6.7	0.2107	0.2793
2022/04/24	03	6.6	0.2506	0.3240
2022/04/24	04	6	0.2753	0.3513
2022/04/24	05	5.3	0.2756	0.3540
2022/04/24	06	4.7	0.2457	0.3284
2022/04/24	07	4.7	0.2078	0.2854
2022/04/24	08	4.2	0.1725	0.2329
2022/04/24	09	7.2	0.1489	0.1910
2022/04/24	10	7.7	0.1346	0.1642
2022/04/24	11	9.6	0.1227	0.1454
2022/04/24	12	11.7	0.1193	0.1346
2022/04/24	13	12.3	0.1245	0.1325
2022/04/24	14	13.6	0.1376	0.1431
2022/04/24	15	13.5	0.1510	0.1575
2022/04/24	16	13.6	0.1600	0.1705
2022/04/24	17	13.6	0.1639	0.1693
2022/04/24	18	12.4	0.1652	0.1592
2022/04/24	19	10.8	0.1626	0.1423
2022/04/24	20	9.4	0.1526	0.1352
2022/04/24	21	8.7	0.1389	0.1378
2022/04/24	22	8.5	0.1297	0.1452
2022/04/24	23	7.9	0.1279	0.1571
2022/04/25	00	7.5	0.1317	0.1752
2022/04/25	01	7.4	0.1394	0.2156
2022/04/25	02	7.5	0.1530	0.2715
2022/04/25	03	7.6	0.1768	0.3065
2022/04/25	04	7.5	0.2172	0.2984
2022/04/25	05	7.3	0.2565	0.2570
2022/04/25	06	7.1	0.2729	0.2150
2022/04/25	07	7.8	0.2571	0.1813
2022/04/25	08	8	0.2358	0.1456
2022/04/25	09	10.4	0.2195	0.1141
2022/04/25	10	13	0.2089	0.0905
2022/04/25	11	16.5	0.1920	0.0840
2022/04/25	12	18.8	0.1885	0.0894
2022/04/25	13	19.9	0.1848	0.1035
2022/04/25	14	17.7	0.1914	0.1139
2022/04/25	15	17.2	0.1992	0.1188
2022/04/25	16	16.8	0.2020	0.1169
2022/04/25	17	17.4	0.1913	0.1116
2022/04/25	18	16	0.1793	0.0994
2022/04/25	19	14.2	0.1626	0.0846
2022/04/25	20	13.8	0.1515	0.0722
2022/04/25	21	12	0.1369	0.0680
2022/04/25	22	11.2	0.1293	0.0705
2022/04/25	23	11.2	0.1241	0.0741

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/26	00	10.7	0.1248	0.0829
2022/04/26	01	10.2	0.1384	0.1028
2022/04/26	02	10	0.1672	0.1475
2022/04/26	03	9.7	0.2252	0.1821
2022/04/26	04	9.4	0.2804	0.1917
2022/04/26	05	8.3	0.3014	0.1695
2022/04/26	06	8.6	0.2697	0.1456
2022/04/26	07	9.4	0.2301	0.1278
2022/04/26	08	10.2	0.2061	0.1124
2022/04/26	09	11.7	0.1993	0.1086
2022/04/26	10	13	0.1878	0.1092
2022/04/26	11	13.8	0.1848	0.1138
2022/04/26	12	13.6	0.1768	0.1210
2022/04/26	13	13.5	0.1729	0.1424
2022/04/26	14	12.7	0.1700	0.1722
2022/04/26	15	11.6	0.1888	0.1906
2022/04/26	16	11.1	0.2037	0.1981
2022/04/26	17	10.3	0.2056	0.1915
2022/04/26	18	9.7	0.1928	0.1883
2022/04/26	19	9.4	0.1800	0.1806
2022/04/26	20	8.9	0.1717	0.1786
2022/04/26	21	8.2	0.1638	0.1817
2022/04/26	22	8	0.1636	0.1929
2022/04/26	23	7.6	0.1622	0.2025
2022/04/27	00	6.6	0.1736	0.2145
2022/04/27	01	6	0.1883	0.2324
2022/04/27	02	4.7	0.2297	0.2655
2022/04/27	03	4	0.2916	0.2927
2022/04/27	04	2.6	0.3641	0.3065
2022/04/27	05	1.5	0.3937	0.3022
2022/04/27	06	1.2	0.3755	0.2970
2022/04/27	07	0.5	0.3258	0.2959
2022/04/27	08	0.5	0.2841	0.2933
2022/04/27	09	0.5	0.2589	0.2963
2022/04/27	10	0.8	0.2402	0.2971
2022/04/27	11	1.8	0.2431	0.2966
2022/04/27	12	2.9	0.2466	0.2921
2022/04/27	13	2.9	0.2527	0.2947
2022/04/27	14	2.8	0.2578	0.3086
2022/04/27	15	2.4	0.2694	0.3200
2022/04/27	16	2.1	0.2935	0.3266
2022/04/27	17	2.9	0.3066	0.3227
2022/04/27	18	2.9	0.3014	0.3209
2022/04/27	19	3	0.2820	0.3088
2022/04/27	20	1.8	0.2580	0.2977
2022/04/27	21	1.9	0.2423	0.2795
2022/04/27	22	1.6	0.2341	0.2709
2022/04/27	23	0.1	0.2367	0.2707

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/28	00	0.4	0.2513	0.2781
2022/04/28	01	-0.5	0.2775	0.2937
2022/04/28	02	-0.3	0.3184	0.3144
2022/04/28	03	-0.3	0.3789	0.3525
2022/04/28	04	-0.7	0.4322	0.3912
2022/04/28	05	-1	0.4208	0.4055
2022/04/28	06	-0.5	0.3564	0.3757
2022/04/28	07	0.7	0.2832	0.3224
2022/04/28	08	1.8	0.2465	0.2756
2022/04/28	09	3.2	0.2353	0.2456
2022/04/28	10	5	0.2190	0.2282
2022/04/28	11	6.4	0.2083	0.2168
2022/04/28	12	7.4	0.1910	0.2066
2022/04/28	13	8.9	0.1802	0.1923
2022/04/28	14	9.3	0.1794	0.1876
2022/04/28	15	9.7	0.1919	0.1913
2022/04/28	16	9.8	0.2091	0.1980
2022/04/28	17	9.3	0.2186	0.2031
2022/04/28	18	8.4	0.2210	0.2146
2022/04/28	19	7.2	0.2271	0.2313
2022/04/28	20	6.2	0.2286	0.2358
2022/04/28	21	4.3	0.2269	0.2297
2022/04/28	22	2	0.2235	0.2256
2022/04/28	23	1.5	0.2301	0.2280
2022/04/29	00	1	0.2479	0.2415
2022/04/29	01	-0.8	0.2653	0.2644
2022/04/29	02	-0.4	0.2964	0.2995
2022/04/29	03	0.7	0.3189	0.3515
2022/04/29	04	-0.1	0.3170	0.4142
2022/04/29	05	-2	0.2767	0.4343
2022/04/29	06	1.1	0.2268	0.3968
2022/04/29	07	2.8	0.1976	0.3162
2022/04/29	08	4.5	0.1769	0.2530
2022/04/29	09	6	0.1634	0.2145
2022/04/29	10	7.2	0.1420	0.1923
2022/04/29	11	9	0.1324	0.1789
2022/04/29	12	10.9	0.1210	0.1597
2022/04/29	13	10.8	0.1174	0.1399
2022/04/29	14	12.6	0.1199	0.1297
2022/04/29	15	12.5	0.1339	0.1350
2022/04/29	16	13.2	0.1499	0.1467
2022/04/29	17	12.9	0.1559	0.1531
2022/04/29	18	11.8	0.1552	0.1633
2022/04/29	19	10.4	0.1535	0.1660
2022/04/29	20	9.8	0.1584	0.1672
2022/04/29	21	8.1	0.1687	0.1628
2022/04/29	22	7.1	0.1809	0.1677
2022/04/29	23	4.9	0.1959	0.1795

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/04/30	00	4.3	0.2161	0.1939
2022/04/30	01	2	0.2435	0.2096
2022/04/30	02	1.5	0.2921	0.2343
2022/04/30	03	1.5	0.3303	0.2753
2022/04/30	04	0.3	0.3322	0.3299
2022/04/30	05	2	0.2883	0.3661
2022/04/30	06	3.4	0.2374	0.3485
2022/04/30	07	5.4	0.1994	0.2879
2022/04/30	08	7.1	0.1727	0.2211
2022/04/30	09	9.3	0.1397	0.1798
2022/04/30	10	11.1	0.1121	0.1573
2022/04/30	11	11.8	0.0909	0.1384
2022/04/30	12	13.4	0.0810	0.1204
2022/04/30	13	13.8	0.0797	0.1019
2022/04/30	14	14.4	0.0894	0.0982
2022/04/30	15	15.6	0.1050	0.1036
2022/04/30	16	16	0.1129	0.1132
2022/04/30	17	15.7	0.1147	0.1186
2022/04/30	18	14.9	0.1070	0.1215
2022/04/30	19	13.3	0.1123	0.1216
2022/04/30	20	11.9	0.1174	0.1168
2022/04/30	21	9.2	0.1309	0.1124
2022/04/30	22	6.4	0.1439	0.1125
2022/04/30	23	7.8	0.1581	0.1184
2022/05/01	00	7	0.1752	0.1289
2022/05/01	01	5.8	0.2019	0.1434
2022/05/01	02	4.7	0.2478	0.1590
2022/05/01	03	2.8	0.2901	0.1818
2022/05/01	04	2.3	0.2990	0.2104
2022/05/01	05	2.2	0.2705	0.2285
2022/05/01	06	5.2	0.2197	0.2234
2022/05/01	07	8.5	0.1809	0.2012
2022/05/01	08	10.9	0.1427	0.1723
2022/05/01	09	13.5	0.1161	0.1514
2022/05/01	10	15.3	0.0878	0.1351
2022/05/01	11	15.9	0.0732	0.1296
2022/05/01	12	17.2	0.0707	0.1254
2022/05/01	13	17.8	0.0800	0.1161
2022/05/01	14	18.6	0.0951	0.1150
2022/05/01	15	18.8	0.1071	0.1168
2022/05/01	16	19.2	0.1111	0.1256
2022/05/01	17	18.6	0.1048	0.1290
2022/05/01	18	17.5	0.0937	0.1319
2022/05/01	19	15.8	0.0829	0.1298
2022/05/01	20	14.6	0.0726	0.1222
2022/05/01	21	13.6	0.0657	0.1153
2022/05/01	22	12.8	0.0605	0.1096
2022/05/01	23	11.8	0.0619	0.1041

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/02	00	11.7	0.0662	0.1019
2022/05/02	01	11.3	0.0872	0.1038
2022/05/02	02	10.1	0.1237	0.1153
2022/05/02	03	9.3	0.1681	0.1345
2022/05/02	04	8.9	0.1886	0.1691
2022/05/02	05	8.4	0.1804	0.2031
2022/05/02	06	7.1	0.1589	0.2245
2022/05/02	07	7.2	0.1474	0.2240
2022/05/02	08	7.6	0.1380	0.2101
2022/05/02	09	8.9	0.1273	0.1944
2022/05/02	10	11.6	0.1126	0.1806
2022/05/02	11	12.5	0.1131	0.1716
2022/05/02	12	14.3	0.1211	0.1590
2022/05/02	13	14.9	0.1350	0.1513
2022/05/02	14	14.6	0.1450	0.1586
2022/05/02	15	14.6	0.1502	0.1739
2022/05/02	16	12.5	0.1462	0.1880
2022/05/02	17	12.5	0.1369	0.1874
2022/05/02	18	12.1	0.1292	0.1778
2022/05/02	19	11.8	0.1259	0.1593
2022/05/02	20	10.8	0.1208	0.1415
2022/05/02	21	10.7	0.1200	0.1283
2022/05/02	22	10.7	0.1152	0.1215
2022/05/02	23	10.6	0.1275	0.1190
2022/05/03	00	10.7	0.1429	0.1218
2022/05/03	01	10.5	0.1564	0.1277
2022/05/03	02	10.4	0.1607	0.1363
2022/05/03	03	9.8	0.1630	0.1606
2022/05/03	04	9.8	0.1626	0.1990
2022/05/03	05	9.9	0.1484	0.2331
2022/05/03	06	9.9	0.1262	0.2398
2022/05/03	07	10.1	0.1177	0.2177
2022/05/03	08	9.8	0.1159	0.1816
2022/05/03	09	11.5	0.1162	0.1467
2022/05/03	10	11.8	0.1074	0.1251
2022/05/03	11	12.7	0.1075	0.1136
2022/05/03	12	13.3	0.1106	0.1022
2022/05/03	13	13.1	0.1219	0.0903
2022/05/03	14	13.7	0.1288	0.0857
2022/05/03	15	14.1	0.1305	0.0996
2022/05/03	16	13.9	0.1254	0.1178
2022/05/03	17	13.9	0.1217	0.1308
2022/05/03	18	13.2	0.1186	0.1276
2022/05/03	19	12.6	0.1155	0.1154
2022/05/03	20	11.6	0.1074	0.1036
2022/05/03	21	10.6	0.0988	0.0923
2022/05/03	22	10.2	0.0963	0.0852
2022/05/03	23	10.2	0.0962	0.0819

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/04	00	10	0.1046	0.0865
2022/05/04	01	10	0.1195	0.0902
2022/05/04	02	10.1	0.1642	0.1000
2022/05/04	03	10	0.2131	0.1211
2022/05/04	04	9.9	0.2347	0.1631
2022/05/04	05	9.9	0.2068	0.1983
2022/05/04	06	10.2	0.1658	0.2136
2022/05/04	07	10.7	0.1364	0.1995
2022/05/04	08	11.3	0.1184	0.1782
2022/05/04	09	11.8	0.1051	0.1587
2022/05/04	10	12.2	0.0900	0.1474
2022/05/04	11	14.1	0.0832	0.1401
2022/05/04	12	15.7	0.0716	0.1295
2022/05/04	13	15.6	0.0759	0.1182
2022/05/04	14	17.3	0.0827	0.1150
2022/05/04	15	17.1	0.0979	0.1244
2022/05/04	16	17.2	0.1060	0.1299
2022/05/04	17	16.8	0.1114	0.1280
2022/05/04	18	16.1	0.1087	0.1276
2022/05/04	19	14	0.1058	0.1269
2022/05/04	20	12.6	0.1044	0.1228
2022/05/04	21	11.8	0.1090	0.1120
2022/05/04	22	10.3	0.1168	0.1101
2022/05/04	23	9.2	0.1268	0.1179
2022/05/05	00	8.4	0.1437	0.1295
2022/05/05	01	6.7	0.1751	0.1474
2022/05/05	02	5.2	0.2299	0.1675
2022/05/05	03	5.9	0.2823	0.1978
2022/05/05	04	4.5	0.2828	0.2360
2022/05/05	05	4.9	0.2429	0.2478
2022/05/05	06	5.7	0.1765	0.2300
2022/05/05	07	7.4	0.1404	0.1885
2022/05/05	08	8.4	0.1134	0.1595
2022/05/05	09	9.5	0.0974	0.1425
2022/05/05	10	10.5	0.0805	0.1289
2022/05/05	11	12.1	0.0669	0.1222
2022/05/05	12	13.8	0.0611	0.1192
2022/05/05	13	14.6	0.0700	0.1191
2022/05/05	14	15.9	0.0775	0.1166
2022/05/05	15	16.7	0.0902	0.1178
2022/05/05	16	17.3	0.0991	0.1174
2022/05/05	17	16.8	0.1046	0.1217
2022/05/05	18	16	0.1040	0.1261
2022/05/05	19	15.2	0.0918	0.1300
2022/05/05	20	13.9	0.0846	0.1320
2022/05/05	21	12.5	0.0797	0.1307
2022/05/05	22	12	0.0792	0.1315
2022/05/05	23	10.2	0.0825	0.1349

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/06	00	9.6	0.0930	0.1400
2022/05/06	01	8.2	0.1166	0.1456
2022/05/06	02	7.5	0.1589	0.1603
2022/05/06	03	7	0.1911	0.1818
2022/05/06	04	8.1	0.1952	0.1955
2022/05/06	05	7.1	0.1619	0.1873
2022/05/06	06	8.1	0.1301	0.1604
2022/05/06	07	10.5	0.1091	0.1340
2022/05/06	08	10.4	0.0991	0.1113
2022/05/06	09	11.9	0.0831	0.0988
2022/05/06	10	12.5	0.0707	0.0902
2022/05/06	11	13.1	0.0626	0.0857
2022/05/06	12	15	0.0610	0.0822
2022/05/06	13	15.7	0.0660	0.0791
2022/05/06	14	15.9	0.0772	0.0809
2022/05/06	15	16	0.0934	0.0861
2022/05/06	16	16.5	0.1027	0.0976
2022/05/06	17	16	0.1040	0.1084
2022/05/06	18	15.2	0.0993	0.1157
2022/05/06	19	13.6	0.1017	0.1124
2022/05/06	20	10.2	0.1073	0.1074
2022/05/06	21	10.6	0.1104	0.0977
2022/05/06	22	9.1	0.1119	0.0967
2022/05/06	23	8.3	0.1171	0.0986
2022/05/07	00	6.9	0.1264	0.1104
2022/05/07	01	5.7	0.1371	0.1244
2022/05/07	02	4.6	0.1499	0.1458
2022/05/07	03	4.3	0.1594	0.1826
2022/05/07	04	3.2	0.1696	0.2322
2022/05/07	05	2.7	0.1547	0.2724
2022/05/07	06	4.1	0.1387	0.2778
2022/05/07	07	6	0.1313	0.2537
2022/05/07	08	7.9	0.1347	0.2132
2022/05/07	09	9.4	0.1374	0.1807
2022/05/07	10	10.2	0.1247	0.1523
2022/05/07	11	11.3	0.1124	0.1350
2022/05/07	12	12.1	0.0994	0.1253
2022/05/07	13	13.3	0.0919	0.1167
2022/05/07	14	14	0.0922	0.1155
2022/05/07	15	14.8	0.1013	0.1149
2022/05/07	16	15	0.1090	0.1234
2022/05/07	17	14.5	0.1155	0.1266
2022/05/07	18	13.2	0.1233	0.1335
2022/05/07	19	10.7	0.1213	0.1371
2022/05/07	20	9.4	0.1210	0.1369
2022/05/07	21	8.3	0.1127	0.1310
2022/05/07	22	6.9	0.1145	0.1284
2022/05/07	23	5.5	0.1155	0.1331

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/08	00	4.2	0.1199	0.1417
2022/05/08	01	3.2	0.1254	0.1538
2022/05/08	02	2.7	0.1368	0.1735
2022/05/08	03	2.2	0.1647	0.2043
2022/05/08	04	2	0.2019	0.2472
2022/05/08	05	1.4	0.2357	0.2738
2022/05/08	06	6.1	0.2373	0.2673
2022/05/08	07	7.7	0.2133	0.2309
2022/05/08	08	9.8	0.1790	0.1893
2022/05/08	09	12	0.1496	0.1565
2022/05/08	10	13.9	0.1199	0.1269
2022/05/08	11	15.8	0.0929	0.1094
2022/05/08	12	16.8	0.0756	0.0953
2022/05/08	13	17.4	0.0657	0.0852
2022/05/08	14	18.4	0.0655	0.0815
2022/05/08	15	19	0.0681	0.0895
2022/05/08	16	18.5	0.0819	0.1014
2022/05/08	17	18.1	0.0915	0.1087
2022/05/08	18	17	0.0946	0.1123
2022/05/08	19	14	0.0912	0.1112
2022/05/08	20	12.1	0.0846	0.1019
2022/05/08	21	11.2	0.0757	0.0879
2022/05/08	22	8.9	0.0683	0.0812
2022/05/08	23	8.3	0.0669	0.0839
2022/05/09	00	5.5	0.0749	0.0943
2022/05/09	01	6.5	0.0877	0.1080
2022/05/09	02	7.2	0.1059	0.1272
2022/05/09	03	3.1	0.1397	0.1635
2022/05/09	04	5.4	0.1928	0.2187
2022/05/09	05	3.8	0.2256	0.2482
2022/05/09	06	9	0.2215	0.2326
2022/05/09	07	10.7	0.1786	0.1792
2022/05/09	08	13.3	0.1322	0.1319
2022/05/09	09	15.5	0.1004	0.1017
2022/05/09	10	17.7	0.0758	0.0842
2022/05/09	11	19.9	0.0617	0.0714
2022/05/09	12	21.9	0.0503	0.0638
2022/05/09	13	22.3	0.0472	0.0578
2022/05/09	14	22.5	0.0502	0.0635
2022/05/09	15	22.5	0.0584	0.0763
2022/05/09	16	22.4	0.0670	0.0898
2022/05/09	17	22	0.0772	0.0983
2022/05/09	18	21	0.0852	0.0997
2022/05/09	19	18.1	0.0838	0.0902
2022/05/09	20	15	0.0746	0.0793
2022/05/09	21	15.2	0.0602	0.0649
2022/05/09	22	14.3	0.0487	0.0583
2022/05/09	23	13.6	0.0418	0.0518

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/10	00	10.1	0.0383	0.0512
2022/05/10	01	12.2	0.0400	0.0632
2022/05/10	02	11.9	0.0490	0.0735
2022/05/10	03	10.7	0.0696	0.0821
2022/05/10	04	8.3	0.1107	0.0765
2022/05/10	05	8.8	0.1372	0.0793
2022/05/10	06	6	0.1442	0.0915
2022/05/10	07	12.7	0.1153	0.0925
2022/05/10	08	16	0.0852	0.0797
2022/05/10	09	18.1	0.0632	0.0566
2022/05/10	10	19.6	0.0538	0.0810
2022/05/10	11	21.7	0.0492	0.1090
2022/05/10	12	23.1	0.0476	0.1234
2022/05/10	13	23.2	0.0431	0.0917
2022/05/10	14	23.7	0.0482	0.0599
2022/05/10	15	24.7	0.0508	0.0453
2022/05/10	16	24.9	0.0593	0.0555
2022/05/10	17	24.7	0.0712	0.0669
2022/05/10	18	23.2	0.0760	0.0703
2022/05/10	19	22.2	0.0734	0.0617
2022/05/10	20	19.7	0.0595	0.0681
2022/05/10	21	17.8	0.0500	0.0883
2022/05/10	22	14.7	0.0425	0.0933
2022/05/10	23	13.8	0.0346	0.0815
2022/05/11	00	11.9	0.0291	0.0602
2022/05/11	01	8.4	0.0295	0.0696
2022/05/11	02	10.5	0.0349	0.0798
2022/05/11	03	9.8	0.0469	0.0876
2022/05/11	04	6.7	0.0677	0.0736
2022/05/11	05	6.7	0.0785	0.0687
2022/05/11	06	11.5	0.0839	0.0698
2022/05/11	07	14.8	0.0708	0.0721
2022/05/11	08	17.8	0.0620	0.0684
2022/05/11	09	20.7	0.0513	0.0603
2022/05/11	10	23.2	0.0478	0.0537
2022/05/11	11	25.4	0.0479	0.0516
2022/05/11	12	25.9	0.0503	0.0501
2022/05/11	13	26.6	0.0498	0.0573
2022/05/11	14	27	0.0505	0.0670
2022/05/11	15	27.8	0.0584	0.0798
2022/05/11	16	28.3	0.0659	0.0877
2022/05/11	17	26.9	0.0704	0.0873
2022/05/11	18	26.5	0.0612	0.0790
2022/05/11	19	25	0.0607	0.0669
2022/05/11	20	22.8	0.0582	0.0535
2022/05/11	21	22.1	0.0585	0.0450
2022/05/11	22	16.5	0.0485	0.0389
2022/05/11	23	17.1	0.0421	0.0364

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/12	00	17.7	0.0336	0.0344
2022/05/12	01	16.4	0.0326	0.0368
2022/05/12	02	12.9	0.0339	0.0469
2022/05/12	03	15.1	0.0421	0.0685
2022/05/12	04	11.3	0.0569	0.0868
2022/05/12	05	12.2	0.0709	0.0930
2022/05/12	06	14.6	0.0800	0.0823
2022/05/12	07	17.6	0.0730	0.0690
2022/05/12	08	21.7	0.0605	0.0581
2022/05/12	09	23.7	0.0476	0.0537
2022/05/12	10	26.4	0.0435	0.0522
2022/05/12	11	27.6	0.0428	0.0553
2022/05/12	12	28.3	0.0429	0.0544
2022/05/12	13	29.6	0.0431	0.0613
2022/05/12	14	29.5	0.0460	0.0719
2022/05/12	15	29.7	0.0544	0.0867
2022/05/12	16	29.6	0.0633	0.0927
2022/05/12	17	28.2	0.0672	0.0908
2022/05/12	18	27.6	0.0672	0.0812
2022/05/12	19	26	0.0597	0.0695
2022/05/12	20	24.7	0.0539	0.0578
2022/05/12	21	22.7	0.0480	0.0487
2022/05/12	22	20.4	0.0412	0.0414
2022/05/12	23	20.6	0.0340	0.0366
2022/05/13	00	18.8	0.0234	0.0351
2022/05/13	01	18.6	0.0207	0.0391
2022/05/13	02	18.3	0.0203	0.0496
2022/05/13	03	17	0.0258	0.0675
2022/05/13	04	15.3	0.0427	0.0845
2022/05/13	05	14.8	0.0695	0.0889
2022/05/13	06	16.6	0.0887	0.0804
2022/05/13	07	19.3	0.0848	0.0675
2022/05/13	08	22.5	0.0673	0.0585
2022/05/13	09	25.7	0.0525	0.0560
2022/05/13	10	26.8	0.0481	0.0541
2022/05/13	11	27.9	0.0437	0.0543
2022/05/13	12	29	0.0431	0.0540
2022/05/13	13	29.8	0.0416	0.0582
2022/05/13	14	29.8	0.0445	0.0671
2022/05/13	15	29.8	0.0509	0.0769
2022/05/13	16	29.4	0.0624	0.0846
2022/05/13	17	28.1	0.0705	0.0845
2022/05/13	18	26.7	0.0725	0.0793
2022/05/13	19	24.9	0.0717	0.0677
2022/05/13	20	23	0.0660	0.0564
2022/05/13	21	21.6	0.0580	0.0474
2022/05/13	22	20.4	0.0448	0.0419
2022/05/13	23	19.4	0.0336	0.0402

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/14	00	18.1	0.0272	0.0380
2022/05/14	01	17.5	0.0215	0.0378
2022/05/14	02	17.4	0.0224	0.0374
2022/05/14	03	15.3	0.0249	0.0445
2022/05/14	04	14.8	0.0291	0.0625
2022/05/14	05	15.8	0.0417	0.0681
2022/05/14	06	17.9	0.0619	0.0622
2022/05/14	07	20.6	0.0804	0.0552
2022/05/14	08	22.6	0.0812	0.0664
2022/05/14	09	24.9	0.0740	0.0845
2022/05/14	10	26.5	0.0646	0.0747
2022/05/14	11	27.8	0.0623	0.0553
2022/05/14	12	29.3	0.0572	0.0349
2022/05/14	13	30.1	0.0556	0.0492
2022/05/14	14	29.6	0.0550	0.0664
2022/05/14	15	30.5	0.0585	0.0826
2022/05/14	16	30.2	0.0656	0.0689
2022/05/14	17	29.6	0.0696	0.0554
2022/05/14	18	28.2	0.0673	0.0473
2022/05/14	19	23.1	0.0577	0.0570
2022/05/14	20	21.1	0.0451	0.0646
2022/05/14	21	20.2	0.0368	0.0700
2022/05/14	22	18.5	0.0305	0.0706
2022/05/14	23	19.2	0.0290	0.0792
2022/05/15	00	18.3	0.0270	0.0803
2022/05/15	01	17.2	0.0281	0.0806
2022/05/15	02	17.1	0.0301	0.0761
2022/05/15	03	16.8	0.0294	0.0795
2022/05/15	04	16.7	0.0304	0.0824
2022/05/15	05	16.7	0.0367	0.0826
2022/05/15	06	17.4	0.0475	0.0804
2022/05/15	07	18.9	0.0579	0.0816
2022/05/15	08	20.3	0.0605	0.0786
2022/05/15	09	20.9	0.0626	0.0714
2022/05/15	10	21.2	0.0603	0.0643
2022/05/15	11	23.8	0.0580	0.0591
2022/05/15	12	24.6	0.0557	0.0628
2022/05/15	13	23.3	0.0505	0.0695
2022/05/15	14	20.2	0.0502	0.0797
2022/05/15	15	19.3	0.0546	0.0874
2022/05/15	16	19.8	0.0610	0.0883
2022/05/15	17	20.8	0.0621	0.0876
2022/05/15	18	20.6	0.0565	0.0799
2022/05/15	19	19.7	0.0512	0.0672
2022/05/15	20	19.4	0.0491	0.0526
2022/05/15	21	17.8	0.0419	0.0414
2022/05/15	22	16.8	0.0384	0.0359
2022/05/15	23	16	0.0322	0.0322

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/16	00	16.4	0.0351	0.0314
2022/05/16	01	15.8	0.0392	0.0319
2022/05/16	02	15.7	0.0452	0.0415
2022/05/16	03	15.4	0.0532	0.0613
2022/05/16	04	15.4	0.0633	0.0791
2022/05/16	05	14.8	0.0697	0.0840
2022/05/16	06	15.2	0.0685	0.0777
2022/05/16	07	15.9	0.0612	0.0669
2022/05/16	08	18	0.0547	0.0598
2022/05/16	09	19.3	0.0529	0.0566
2022/05/16	10	20.5	0.0482	0.0581
2022/05/16	11	21.1	0.0476	0.0620
2022/05/16	12	21.6	0.0444	0.0623
2022/05/16	13	20.8	0.0536	0.0650
2022/05/16	14	20.6	0.0683	0.0764
2022/05/16	15	14.2	0.0852	0.0882
2022/05/16	16	13.6	0.0931	0.0969
2022/05/16	17	13.2	0.0910	0.0904
2022/05/16	18	12.2	0.0811	0.0778
2022/05/16	19	12.3	0.0697	0.0628
2022/05/16	20	12.3	0.0591	0.0485
2022/05/16	21	11.6	0.0530	0.0392
2022/05/16	22	11.3	0.0490	0.0342
2022/05/16	23	10.6	0.0450	0.0347
2022/05/17	00	10.4	0.0451	0.0351
2022/05/17	01	10.3	0.0467	0.0386
2022/05/17	02	10.3	0.0571	0.0490
2022/05/17	03	10.3	0.0777	0.0731
2022/05/17	04	10.4	0.1046	0.0981
2022/05/17	05	9.8	0.1217	0.1177
2022/05/17	06	9.9	0.1182	0.1235
2022/05/17	07	10.4	0.1053	0.1223
2022/05/17	08	11	0.1028	0.1208
2022/05/17	09	11.2	0.1020	0.1186
2022/05/17	10	12.3	0.0914	0.1126
2022/05/17	11	14.1	0.0768	0.1074
2022/05/17	12	12.6	0.0684	0.1020
2022/05/17	13	13.8	0.0729	0.1043
2022/05/17	14	14.7	0.0767	0.1134
2022/05/17	15	14.4	0.0850	0.1230
2022/05/17	16	14.7	0.0949	0.1322
2022/05/17	17	13.4	0.0983	0.1286
2022/05/17	18	12.6	0.0978	0.1195
2022/05/17	19	12.1	0.0936	0.1064
2022/05/17	20	10.9	0.0904	0.0900
2022/05/17	21	9.8	0.0824	0.0810
2022/05/17	22	8.6	0.0782	0.0761
2022/05/17	23	6.7	0.0780	0.0802

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/18	00	8.3	0.0838	0.0872
2022/05/18	01	6	0.0948	0.0994
2022/05/18	02	5.3	0.1184	0.1290
2022/05/18	03	5.5	0.1578	0.1718
2022/05/18	04	6	0.1925	0.1988
2022/05/18	05	4.9	0.1972	0.1915
2022/05/18	06	7.1	0.1684	0.1537
2022/05/18	07	8.5	0.1246	0.1067
2022/05/18	08	9.1	0.0935	0.0870
2022/05/18	09	10.8	0.0805	0.0890
2022/05/18	10	11.6	0.0781	0.1072
2022/05/18	11	13.2	0.0694	0.1037
2022/05/18	12	14.2	0.0611	0.0896
2022/05/18	13	15.5	0.0552	0.1002
2022/05/18	14	16.1	0.0582	0.1428
2022/05/18	15	16.9	0.0651	0.1916
2022/05/18	16	17.4	0.0732	0.1747
2022/05/18	17	17.3	0.0799	0.1253
2022/05/18	18	16.3	0.0843	0.0718
2022/05/18	19	14.1	0.0875	0.1019
2022/05/18	20	12.5	0.0817	0.1377
2022/05/18	21	10.3	0.0718	0.1785
2022/05/18	22	9	0.0577	0.1510
2022/05/18	23	7.7	0.0506	0.1276
2022/05/19	00	7.1	0.0504	0.0994
2022/05/19	01	5.2	0.0565	0.1182
2022/05/19	02	5	0.0657	0.1461
2022/05/19	03	4.1	0.0821	0.1713
2022/05/19	04	5.4	0.1131	0.1619
2022/05/19	05	5.1	0.1454	0.1417
2022/05/19	06	6.1	0.1648	0.1192
2022/05/19	07	7.8	0.1559	0.1262
2022/05/19	08	8.6	0.1408	0.1362
2022/05/19	09	8	0.1214	0.1567
2022/05/19	10	7.8	0.1102	0.1426
2022/05/19	11	9.3	0.0926	0.1188
2022/05/19	12	9.9	0.0797	0.0895
2022/05/19	13	9.9	0.0694	0.1076
2022/05/19	14	10.2	0.0660	0.1401
2022/05/19	15	10.5	0.0713	0.1698
2022/05/19	16	10.6	0.0804	0.1653
2022/05/19	17	11.1	0.0941	0.1486
2022/05/19	18	11.1	0.1012	0.1301
2022/05/19	19	10.7	0.0977	0.1176
2022/05/19	20	9.3	0.0836	0.1097
2022/05/19	21	8.5	0.0682	0.1063
2022/05/19	22	7.7	0.0580	0.1088
2022/05/19	23	7.6	0.0546	0.1114

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/20	00	7.4	0.0555	0.1233
2022/05/20	01	8.4	0.0578	0.1478
2022/05/20	02	8.3	0.0609	0.1911
2022/05/20	03	7.9	0.0717	0.2134
2022/05/20	04	7.7	0.0942	0.1976
2022/05/20	05	8.2	0.1226	0.1539
2022/05/20	06	9.3	0.1398	0.1123
2022/05/20	07	9.9	0.1379	0.0891
2022/05/20	08	11.4	0.1215	0.0719
2022/05/20	09	15.2	0.0989	0.0650
2022/05/20	10	18.1	0.0809	0.0589
2022/05/20	11	20.7	0.0658	0.0602
2022/05/20	12	22.7	0.0577	0.0615
2022/05/20	13	24.9	0.0535	0.0735
2022/05/20	14	26.9	0.0535	0.0781
2022/05/20	15	27	0.0589	0.0803
2022/05/20	16	26.8	0.0632	0.0735
2022/05/20	17	26.4	0.0677	0.0724
2022/05/20	18	25.6	0.0688	0.0667
2022/05/20	19	24.1	0.0660	0.0612
2022/05/20	20	21.7	0.0583	0.0472
2022/05/20	21	22.1	0.0476	0.0414
2022/05/20	22	21.7	0.0373	0.0344
2022/05/20	23	21.2	0.0307	0.0376
2022/05/21	00	21.3	0.0253	0.0388
2022/05/21	01	21.3	0.0226	0.0406
2022/05/21	02	20.9	0.0212	0.0462
2022/05/21	03	20.6	0.0212	0.0573
2022/05/21	04	20.3	0.0257	0.0736
2022/05/21	05	20.5	0.0361	0.0834
2022/05/21	06	20.7	0.0563	0.0826
2022/05/21	07	21.5	0.0735	0.0784
2022/05/21	08	23	0.0840	0.0707
2022/05/21	09	24.8	0.0827	0.0655
2022/05/21	10	27.1	0.0745	0.0611
2022/05/21	11	26.5	0.0670	0.0608
2022/05/21	12	29.3	0.0593	0.0676
2022/05/21	13	29.9	0.0597	0.0749
2022/05/21	14	29.6	0.0600	0.0790
2022/05/21	15	17.7	0.0639	0.0798
2022/05/21	16	18.4	0.0657	0.0742
2022/05/21	17	20.3	0.0667	0.0675
2022/05/21	18	21.3	0.0658	0.0578
2022/05/21	19	20.1	0.0643	0.0489
2022/05/21	20	19	0.0859	0.0432
2022/05/21	21	17.8	0.0900	0.0382
2022/05/21	22	18.1	0.0997	0.0378
2022/05/21	23	17.1	0.0938	0.0365

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/22	00	17.3	0.0848	0.0358
2022/05/22	01	16.9	0.0652	0.0387
2022/05/22	02	16.7	0.0449	0.0459
2022/05/22	03	16	0.0567	0.0591
2022/05/22	04	15.7	0.0778	0.0753
2022/05/22	05	14.9	0.0858	0.0851
2022/05/22	06	16.3	0.0698	0.0872
2022/05/22	07	16.4	0.0466	0.0829
2022/05/22	08	17.5	0.0389	0.0804
2022/05/22	09	19.4	0.0536	0.0838
2022/05/22	10	20.3	0.0750	0.0826
2022/05/22	11	19.8	0.0776	0.0835
2022/05/22	12	15.1	0.0630	0.0930
2022/05/22	13	13.6	0.0459	0.0979
2022/05/22	14	12.9	0.0475	0.0961
2022/05/22	15	13.1	0.0583	0.0833
2022/05/22	16	13.3	0.0682	0.0909
2022/05/22	17	13.2	0.0679	0.1065
2022/05/22	18	12.4	0.0720	0.1097
2022/05/22	19	12	0.0816	0.1068
2022/05/22	20	10.7	0.0909	0.0943
2022/05/22	21	9.8	0.0880	0.0935
2022/05/22	22	9.6	0.0810	0.0865
2022/05/22	23	8.1	0.0815	0.0846
2022/05/23	00	8.1	0.0931	0.0801
2022/05/23	01	8.1	0.0998	0.0840
2022/05/23	02	7.2	0.1004	0.0826
2022/05/23	03	6.4	0.1012	0.0835
2022/05/23	04	6.9	0.1102	0.0730
2022/05/23	05	6.9	0.1197	0.0707
2022/05/23	06	8.3	0.1239	0.0732
2022/05/23	07	9.8	0.1177	0.0741
2022/05/23	08	10.5	0.1109	0.0719
2022/05/23	09	11.3	0.1004	0.0627
2022/05/23	10	13.1	0.0905	0.0716
2022/05/23	11	13.1	0.0832	0.0849
2022/05/23	12	14	0.0782	0.1020
2022/05/23	13	15.8	0.0806	0.0944
2022/05/23	14	15.8	0.0843	0.0829
2022/05/23	15	15.6	0.0919	0.0703
2022/05/23	16	15.6	0.1014	0.0792
2022/05/23	17	15.5	0.1071	0.0900
2022/05/23	18	14.1	0.1058	0.0886
2022/05/23	19	13.6	0.0940	0.0767
2022/05/23	20	12.6	0.0788	0.0615
2022/05/23	21	11.4	0.0669	0.0560
2022/05/23	22	10	0.0633	0.0557
2022/05/23	23	8.3	0.0634	0.0628

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/24	00	8.3	0.0674	0.0800
2022/05/24	01	6.8	0.0734	0.1043
2022/05/24	02	8.7	0.0881	0.1399
2022/05/24	03	7.1	0.1168	0.1593
2022/05/24	04	6.3	0.1449	0.1553
2022/05/24	05	7.2	0.1489	0.1247
2022/05/24	06	8.7	0.1263	0.0958
2022/05/24	07	11.7	0.0945	0.0789
2022/05/24	08	13.5	0.0743	0.0697
2022/05/24	09	15.5	0.0656	0.0636
2022/05/24	10	15.7	0.0605	0.0574
2022/05/24	11	16.1	0.0579	0.0548
2022/05/24	12	16.4	0.0531	0.0600
2022/05/24	13	17.2	0.0538	0.0707
2022/05/24	14	17.1	0.0619	0.0851
2022/05/24	15	17.7	0.0697	0.0938
2022/05/24	16	18.4	0.0780	0.0967
2022/05/24	17	17.9	0.0793	0.0934
2022/05/24	18	16.8	0.0801	0.0862
2022/05/24	19	15.5	0.0718	0.0757
2022/05/24	20	12.9	0.0607	0.0655
2022/05/24	21	11.4	0.0497	0.0588
2022/05/24	22	10.8	0.0457	0.0584
2022/05/24	23	9.3	0.0477	0.0610
2022/05/25	00	9.4	0.0529	0.0721
2022/05/25	01	6.2	0.0627	0.0931
2022/05/25	02	5.7	0.0827	0.1247
2022/05/25	03	6.6	0.1140	0.1420
2022/05/25	04	6.8	0.1405	0.1377
2022/05/25	05	6.3	0.1430	0.1161
2022/05/25	06	9.9	0.1203	0.0949
2022/05/25	07	13	0.0903	0.0779
2022/05/25	08	15.8	0.0690	0.0669
2022/05/25	09	17.7	0.0602	0.0609
2022/05/25	10	19.1	0.0561	0.0561
2022/05/25	11	19.5	0.0526	0.0540
2022/05/25	12	19.9	0.0487	0.0588
2022/05/25	13	20.9	0.0514	0.0721
2022/05/25	14	20.6	0.0619	0.0832
2022/05/25	15	20.8	0.0728	0.0894
2022/05/25	16	20.2	0.0824	0.0880
2022/05/25	17	20.6	0.0864	0.0838
2022/05/25	18	19.4	0.0860	0.0725
2022/05/25	19	17.6	0.0744	0.0600
2022/05/25	20	16.6	0.0600	0.0485
2022/05/25	21	16.4	0.0448	0.0420
2022/05/25	22	15.8	0.0373	0.0400
2022/05/25	23	16.3	0.0410	0.0399

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/26	00	16.4	0.0544	0.0448
2022/05/26	01	16.3	0.0693	0.0528
2022/05/26	02	14.5	0.0721	0.0698
2022/05/26	03	13.2	0.0606	0.0856
2022/05/26	04	12.9	0.0482	0.0969
2022/05/26	05	13.2	0.0492	0.0930
2022/05/26	06	14.5	0.0606	0.0817
2022/05/26	07	15.2	0.0652	0.0704
2022/05/26	08	15.9	0.0585	0.0608
2022/05/26	09	17.9	0.0612	0.0591
2022/05/26	10	20.2	0.0795	0.0577
2022/05/26	11	20.2	0.0887	0.0557
2022/05/26	12	20.5	0.0750	0.0581
2022/05/26	13	21	0.0479	0.0626
2022/05/26	14	21.2	0.0425	0.0754
2022/05/26	15	22.2	0.0560	0.0810
2022/05/26	16	24.8	0.0753	0.0871
2022/05/26	17	24.2	0.0732	0.0932
2022/05/26	18	23.6	0.0573	0.0899
2022/05/26	19	23.5	0.0377	0.0825
2022/05/26	20	22.9	0.0373	0.0662
2022/05/26	21	21.9	0.0505	0.0566
2022/05/26	22	21.2	0.0615	0.0528
2022/05/26	23	21.5	0.0617	0.0563
2022/05/27	00	20.5	0.0585	0.0598
2022/05/27	01	20.1	0.0674	0.0543
2022/05/27	02	17.7	0.0737	0.0468
2022/05/27	03	17.5	0.0732	0.0415
2022/05/27	04	17.7	0.0665	0.0473
2022/05/27	05	17.7	0.0676	0.0534
2022/05/27	06	18	0.0700	0.0631
2022/05/27	07	18.1	0.0694	0.0575
2022/05/27	08	18.2	0.0635	0.0489
2022/05/27	09	18.6	0.0622	0.0387
2022/05/27	10	18.8	0.0595	0.0486
2022/05/27	11	19.3	0.0569	0.0595
2022/05/27	12	19.9	0.0515	0.0694
2022/05/27	13	20.7	0.0519	0.0636
2022/05/27	14	20.6	0.0606	0.0678
2022/05/27	15	20.9	0.0685	0.0704
2022/05/27	16	21.4	0.0724	0.0753
2022/05/27	17	21.2	0.0702	0.0689
2022/05/27	18	20.1	0.0666	0.0600
2022/05/27	19	19.3	0.0601	0.0590
2022/05/27	20	18.6	0.0529	0.0635
2022/05/27	21	18.6	0.0456	0.0687
2022/05/27	22	18.4	0.0387	0.0612
2022/05/27	23	18	0.0344	0.0488

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/28	00	17.5	0.0337	0.0370
2022/05/28	01	17.1	0.0351	0.0346
2022/05/28	02	17	0.0387	0.0351
2022/05/28	03	16.3	0.0456	0.0392
2022/05/28	04	15.2	0.0607	0.0467
2022/05/28	05	14.6	0.0761	0.0657
2022/05/28	06	14.3	0.0878	0.0830
2022/05/28	07	14.6	0.0875	0.0940
2022/05/28	08	15.9	0.0814	0.0898
2022/05/28	09	17.6	0.0720	0.0826
2022/05/28	10	16.9	0.0661	0.0761
2022/05/28	11	17.9	0.0634	0.0704
2022/05/28	12	18.9	0.0646	0.0682
2022/05/28	13	19.9	0.0676	0.0660
2022/05/28	14	21.2	0.0723	0.0677
2022/05/28	15	21.8	0.0759	0.0732
2022/05/28	16	22.2	0.0788	0.0810
2022/05/28	17	21.6	0.0762	0.0855
2022/05/28	18	20.9	0.0714	0.0826
2022/05/28	19	19.9	0.0632	0.0743
2022/05/28	20	18.3	0.0530	0.0638
2022/05/28	21	16.1	0.0429	0.0547
2022/05/28	22	15.6	0.0351	0.0479
2022/05/28	23	15.4	0.0324	0.0433
2022/05/29	00	14	0.0322	0.0409
2022/05/29	01	13.6	0.0351	0.0394
2022/05/29	02	11.7	0.0404	0.0413
2022/05/29	03	10.9	0.0482	0.0448
2022/05/29	04	10	0.0593	0.0520
2022/05/29	05	10	0.0735	0.0634
2022/05/29	06	13	0.0886	0.0793
2022/05/29	07	15.7	0.0931	0.0892
2022/05/29	08	18.2	0.0878	0.0872
2022/05/29	09	19.6	0.0765	0.0785
2022/05/29	10	21.7	0.0694	0.0695
2022/05/29	11	23.5	0.0631	0.0647
2022/05/29	12	22.9	0.0592	0.0565
2022/05/29	13	23.4	0.0577	0.0560
2022/05/29	14	25.1	0.0627	0.0598
2022/05/29	15	25.3	0.0703	0.0754
2022/05/29	16	23.4	0.0766	0.0847
2022/05/29	17	23.8	0.0784	0.0934
2022/05/29	18	22.9	0.0755	0.0874
2022/05/29	19	21.1	0.0654	0.0800
2022/05/29	20	18.8	0.0524	0.0629
2022/05/29	21	17.4	0.0378	0.0511
2022/05/29	22	16.9	0.0300	0.0392
2022/05/29	23	15.5	0.0249	0.0334

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/05/30	00	14.9	0.0231	0.0316
2022/05/30	01	14.3	0.0228	0.0321
2022/05/30	02	13.6	0.0341	0.0352
2022/05/30	03	12.8	0.0477	0.0422
2022/05/30	04	12.8	0.0538	0.0600
2022/05/30	05	13.9	0.0463	0.0781
2022/05/30	06	14.9	0.0448	0.0848
2022/05/30	07	15.9	0.0566	0.0770
2022/05/30	08	17.9	0.0632	0.0662
2022/05/30	09	20.4	0.0526	0.0634
2022/05/30	10	23	0.0330	0.0626
2022/05/30	11	25.6	0.0283	0.0619
2022/05/30	12	27.7	0.0361	0.0550
2022/05/30	13	28.4	0.0456	0.0536
2022/05/30	14	28.3	0.0448	0.0567
2022/05/30	15	27.9	0.0370	0.0681
2022/05/30	16	26.5	0.0312	0.0805
2022/05/30	17	25.9	0.0388	0.0855
2022/05/30	18	26.4	0.0471	0.0861
2022/05/30	19	25.7	0.0511	0.0764
2022/05/30	20	24.7	0.0472	0.0669
2022/05/30	21	23.6	0.0555	0.0514
2022/05/30	22	22.8	0.0641	0.0445
2022/05/30	23	22.1	0.0637	0.0492
2022/05/31	00	21.3	0.0532	0.0616
2022/05/31	01	20.7	0.0492	0.0619
2022/05/31	02	20.2	0.0530	0.0496
2022/05/31	03	18.9	0.0553	0.0369
2022/05/31	04	18.6	0.0521	0.0465
2022/05/31	05	18.1	0.0496	0.0652
2022/05/31	06	19.7	0.0547	0.0781
2022/05/31	07	22.5	0.0628	0.0680
2022/05/31	08	23.1	0.0668	0.0534
2022/05/31	09	21.3	0.0607	0.0458
2022/05/31	10	20.9	0.0505	0.0569
2022/05/31	11	21.1	0.0446	0.0619
2022/05/31	12	21.5	0.0466	0.0608
2022/05/31	13	21.9	0.0548	0.0566
2022/05/31	14	22.3	0.0631	0.0644
2022/05/31	15	23.2	0.0681	0.0693
2022/05/31	16	22.1	0.0688	0.0637
2022/05/31	17	20.9	0.0669	0.0513
2022/05/31	18	19.7	0.0600	0.0438
2022/05/31	19	18.3	0.0497	0.0475
2022/05/31	20	17.2	0.0363	0.0520
2022/05/31	21	16.1	0.0273	0.0541
2022/05/31	22	15.2	0.0215	0.0526
2022/05/31	23	14.6	0.0198	0.0468

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/01	00	14.3	0.0203	0.0531
2022/06/01	01	14.2	0.0247	0.0578
2022/06/01	02	14.2	0.0395	0.0599
2022/06/01	03	14.4	0.0566	0.0522
2022/06/01	04	12.7	0.0683	0.0588
2022/06/01	05	13.1	0.0655	0.0756
2022/06/01	06	13.3	0.0603	0.0896
2022/06/01	07	12.8	0.0555	0.0893
2022/06/01	08	12.9	0.0549	0.0807
2022/06/01	09	13.2	0.0514	0.0720
2022/06/01	10	14	0.0477	0.0625
2022/06/01	11	16.8	0.0448	0.0558
2022/06/01	12	18.5	0.0467	0.0524
2022/06/01	13	18.4	0.0548	0.0516
2022/06/01	14	16.2	0.0646	0.0597
2022/06/01	15	16.7	0.0727	0.0715
2022/06/01	16	16.5	0.0753	0.0818
2022/06/01	17	16.5	0.0742	0.0882
2022/06/01	18	16.4	0.0674	0.0858
2022/06/01	19	16.1	0.0570	0.0779
2022/06/01	20	16.3	0.0429	0.0642
2022/06/01	21	16	0.0327	0.0515
2022/06/01	22	15.9	0.0258	0.0446
2022/06/01	23	15.7	0.0243	0.0377
2022/06/02	00	15.5	0.0249	0.0363
2022/06/02	01	13.6	0.0310	0.0371
2022/06/02	02	12.8	0.0456	0.0403
2022/06/02	03	12.5	0.0631	0.0519
2022/06/02	04	12.5	0.0740	0.0683
2022/06/02	05	12.6	0.0713	0.0859
2022/06/02	06	12.8	0.0633	0.0895
2022/06/02	07	13.1	0.0551	0.0850
2022/06/02	08	13.4	0.0500	0.0796
2022/06/02	09	14.2	0.0458	0.0790
2022/06/02	10	15	0.0432	0.0740
2022/06/02	11	16.4	0.0449	0.0684
2022/06/02	12	17.5	0.0475	0.0599
2022/06/02	13	17.3	0.0539	0.0539
2022/06/02	14	17.8	0.0615	0.0540
2022/06/02	15	18.1	0.0692	0.0596
2022/06/02	16	17.7	0.0695	0.0717
2022/06/02	17	18.3	0.0664	0.0818
2022/06/02	18	18	0.0584	0.0853
2022/06/02	19	17	0.0510	0.0789
2022/06/02	20	16.6	0.0396	0.0698
2022/06/02	21	16.2	0.0305	0.0601
2022/06/02	22	15.8	0.0252	0.0525
2022/06/02	23	15.3	0.0239	0.0455

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/03	00	15.1	0.0256	0.0399
2022/06/03	01	15	0.0311	0.0402
2022/06/03	02	13.5	0.0449	0.0413
2022/06/03	03	13.3	0.0655	0.0500
2022/06/03	04	12.2	0.0793	0.0681
2022/06/03	05	12.6	0.0797	0.0828
2022/06/03	06	13.7	0.0699	0.0918
2022/06/03	07	13.7	0.0562	0.0819
2022/06/03	08	14	0.0480	0.0711
2022/06/03	09	15.7	0.0453	0.0607
2022/06/03	10	18.6	0.0477	0.0559
2022/06/03	11	20.9	0.0466	0.0513
2022/06/03	12	21.8	0.0394	0.0477
2022/06/03	13	22.5	0.0362	0.0476
2022/06/03	14	23	0.0391	0.0496
2022/06/03	15	23.4	0.0472	0.0587
2022/06/03	16	22.8	0.0500	0.0686
2022/06/03	17	20.6	0.0522	0.0761
2022/06/03	18	18.6	0.0575	0.0803
2022/06/03	19	16.7	0.0736	0.0722
2022/06/03	20	16.8	0.0795	0.0655
2022/06/03	21	14.6	0.0747	0.0529
2022/06/03	22	14.5	0.0648	0.0470
2022/06/03	23	13.8	0.0650	0.0414
2022/06/04	00	13.5	0.0722	0.0378
2022/06/04	01	12.9	0.0743	0.0477
2022/06/04	02	11.7	0.0722	0.0586
2022/06/04	03	12.1	0.0677	0.0679
2022/06/04	04	12.7	0.0640	0.0593
2022/06/04	05	12.4	0.0642	0.0507
2022/06/04	06	13.9	0.0623	0.0483
2022/06/04	07	15.6	0.0623	0.0541
2022/06/04	08	16.7	0.0601	0.0559
2022/06/04	09	15.5	0.0595	0.0498
2022/06/04	10	16.9	0.0535	0.0536
2022/06/04	11	16.2	0.0462	0.0641
2022/06/04	12	17.7	0.0458	0.0805
2022/06/04	13	17.1	0.0546	0.0760
2022/06/04	14	17.8	0.0674	0.0640
2022/06/04	15	18.2	0.0722	0.0511
2022/06/04	16	17.9	0.0729	0.0558
2022/06/04	17	17.2	0.0706	0.0673
2022/06/04	18	16.6	0.0653	0.0739
2022/06/04	19	15.2	0.0587	0.0703
2022/06/04	20	11.6	0.0502	0.0688
2022/06/04	21	12.2	0.0462	0.0747
2022/06/04	22	10.5	0.0445	0.0789
2022/06/04	23	10.4	0.0459	0.0775

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/05	00	8	0.0491	0.0680
2022/06/05	01	8.1	0.0566	0.0736
2022/06/05	02	8	0.0690	0.0846
2022/06/05	03	7.3	0.0846	0.0942
2022/06/05	04	6.6	0.0974	0.0880
2022/06/05	05	7.2	0.1008	0.0797
2022/06/05	06	9.5	0.0983	0.0821
2022/06/05	07	12.4	0.0895	0.0888
2022/06/05	08	13.9	0.0824	0.0890
2022/06/05	09	15.6	0.0735	0.0801
2022/06/05	10	17.1	0.0648	0.0701
2022/06/05	11	18.5	0.0580	0.0631
2022/06/05	12	19.7	0.0552	0.0585
2022/06/05	13	20.5	0.0617	0.0597
2022/06/05	14	20.9	0.0693	0.0695
2022/06/05	15	21.8	0.0801	0.0805
2022/06/05	16	22.2	0.0824	0.0849
2022/06/05	17	22.2	0.0789	0.0839
2022/06/05	18	21.4	0.0660	0.0759
2022/06/05	19	18.2	0.0523	0.0671
2022/06/05	20	16.1	0.0388	0.0501
2022/06/05	21	15.7	0.0310	0.0398
2022/06/05	22	12.8	0.0267	0.0322
2022/06/05	23	14.5	0.0271	0.0305
2022/06/06	00	14.8	0.0302	0.0314
2022/06/06	01	10.8	0.0403	0.0360
2022/06/06	02	12	0.0584	0.0459
2022/06/06	03	8.6	0.0840	0.0626
2022/06/06	04	8.5	0.0953	0.0788
2022/06/06	05	9.5	0.0942	0.0863
2022/06/06	06	12.1	0.0805	0.0819
2022/06/06	07	13.4	0.0713	0.0731
2022/06/06	08	15.8	0.0665	0.0648
2022/06/06	09	17.9	0.0633	0.0628
2022/06/06	10	19.7	0.0634	0.0623
2022/06/06	11	20.1	0.0644	0.0603
2022/06/06	12	20.6	0.0729	0.0564
2022/06/06	13	20.5	0.0860	0.0587
2022/06/06	14	18.8	0.0983	0.0745
2022/06/06	15	20	0.1010	0.0892
2022/06/06	16	20.2	0.0938	0.0938
2022/06/06	17	20.6	0.0853	0.0859
2022/06/06	18	20	0.0743	0.0756
2022/06/06	19	19.5	0.0622	0.0654
2022/06/06	20	19.4	0.0489	0.0552
2022/06/06	21	17.6	0.0395	0.0444
2022/06/06	22	17.8	0.0362	0.0381
2022/06/06	23	16.2	0.0342	0.0341

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/07	00	15.3	0.0350	0.0344
2022/06/07	01	14.9	0.0402	0.0370
2022/06/07	02	15	0.0561	0.0467
2022/06/07	03	15.3	0.0785	0.0654
2022/06/07	04	15.2	0.0946	0.0791
2022/06/07	05	15.3	0.0958	0.0840
2022/06/07	06	15.4	0.0855	0.0769
2022/06/07	07	15.6	0.0741	0.0698
2022/06/07	08	16	0.0688	0.0621
2022/06/07	09	16.9	0.0638	0.0544
2022/06/07	10	17.8	0.0614	0.0518
2022/06/07	11	18.5	0.0543	0.0506
2022/06/07	12	18.3	0.0462	0.0542
2022/06/07	13	18.5	0.0435	0.0589
2022/06/07	14	18.7	0.0548	0.0715
2022/06/07	15	17.4	0.0685	0.0824
2022/06/07	16	17.1	0.0813	0.0903
2022/06/07	17	17.3	0.0878	0.0860
2022/06/07	18	17.4	0.0889	0.0749
2022/06/07	19	17.4	0.0793	0.0618
2022/06/07	20	17.4	0.0671	0.0519
2022/06/07	21	17.5	0.0648	0.0434
2022/06/07	22	17.2	0.0721	0.0367
2022/06/07	23	16.8	0.0705	0.0341
2022/06/08	00	15.7	0.0632	0.0344
2022/06/08	01	15.4	0.0536	0.0390
2022/06/08	02	15	0.0501	0.0455
2022/06/08	03	14.8	0.0518	0.0629
2022/06/08	04	14.6	0.0483	0.0795
2022/06/08	05	14.6	0.0463	0.0771
2022/06/08	06	14.6	0.0416	0.0597
2022/06/08	07	16.2	0.0428	0.0520
2022/06/08	08	16.6	0.0444	0.0598
2022/06/08	09	18.4	0.0439	0.0695
2022/06/08	10	19.6	0.0401	0.0572
2022/06/08	11	20.4	0.0379	0.0438
2022/06/08	12	21.5	0.0456	0.0354
2022/06/08	13	22.2	0.0551	0.0431
2022/06/08	14	23	0.0614	0.0504
2022/06/08	15	23.4	0.0562	0.0557
2022/06/08	16	23.6	0.0556	0.0507
2022/06/08	17	23.2	0.0645	0.0511
2022/06/08	18	22.9	0.0733	0.0589
2022/06/08	19	19.9	0.0750	0.0619
2022/06/08	20	18.6	0.0641	0.0582
2022/06/08	21	16.5	0.0513	0.0488
2022/06/08	22	16.2	0.0378	0.0617
2022/06/08	23	15.8	0.0272	0.0736

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/09	00	15.8	0.0227	0.0834
2022/06/09	01	15	0.0217	0.0730
2022/06/09	02	14.4	0.0221	0.0706
2022/06/09	03	14.1	0.0274	0.0712
2022/06/09	04	14.1	0.0401	0.0752
2022/06/09	05	13.5	0.0593	0.0751
2022/06/09	06	13.2	0.0767	0.0700
2022/06/09	07	13.4	0.0796	0.0719
2022/06/09	08	13.6	0.0743	0.0709
2022/06/09	09	13.6	0.0649	0.0737
2022/06/09	10	14	0.0601	0.0691
2022/06/09	11	13.7	0.0557	0.0635
2022/06/09	12	14.5	0.0527	0.0568
2022/06/09	13	18.1	0.0529	0.0563
2022/06/09	14	17.4	0.0566	0.0639
2022/06/09	15	17.8	0.0618	0.0765
2022/06/09	16	18.4	0.0685	0.0851
2022/06/09	17	17.8	0.0721	0.0877
2022/06/09	18	17.2	0.0738	0.0829
2022/06/09	19	15.8	0.0703	0.0790
2022/06/09	20	15.3	0.0634	0.0715
2022/06/09	21	13.8	0.0537	0.0622
2022/06/09	22	13.6	0.0451	0.0520
2022/06/09	23	13.3	0.0385	0.0464
2022/06/10	00	13.4	0.0353	0.0439
2022/06/10	01	13.6	0.0344	0.0452
2022/06/10	02	13.1	0.0361	0.0487
2022/06/10	03	12.8	0.0418	0.0574
2022/06/10	04	12.4	0.0545	0.0724
2022/06/10	05	12.2	0.0739	0.0913
2022/06/10	06	12.4	0.0891	0.1003
2022/06/10	07	14.3	0.0927	0.0955
2022/06/10	08	15.4	0.0834	0.0792
2022/06/10	09	15.7	0.0728	0.0700
2022/06/10	10	16.8	0.0641	0.0631
2022/06/10	11	17.8	0.0598	0.0592
2022/06/10	12	18.7	0.0543	0.0535
2022/06/10	13	19.9	0.0489	0.0535
2022/06/10	14	19.3	0.0484	0.0560
2022/06/10	15	20.7	0.0515	0.0614
2022/06/10	16	20.8	0.0589	0.0647
2022/06/10	17	20.9	0.0635	0.0720
2022/06/10	18	19.4	0.0665	0.0686
2022/06/10	19	19.4	0.0655	0.0655
2022/06/10	20	17.2	0.0619	0.0560
2022/06/10	21	14.6	0.0546	0.0528
2022/06/10	22	13.2	0.0464	0.0473
2022/06/10	23	12.7	0.0395	0.0442

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/11	00	13.1	0.0367	0.0434
2022/06/11	01	11.6	0.0371	0.0444
2022/06/11	02	10.8	0.0390	0.0471
2022/06/11	03	10.7	0.0443	0.0511
2022/06/11	04	10.5	0.0545	0.0598
2022/06/11	05	10.8	0.0705	0.0739
2022/06/11	06	12.4	0.0835	0.0848
2022/06/11	07	14.8	0.0913	0.0913
2022/06/11	08	17.3	0.0867	0.0883
2022/06/11	09	19.6	0.0810	0.0822
2022/06/11	10	21.4	0.0696	0.0739
2022/06/11	11	22.4	0.0621	0.0660
2022/06/11	12	22.8	0.0535	0.0619
2022/06/11	13	22.7	0.0492	0.0549
2022/06/11	14	23.6	0.0499	0.0555
2022/06/11	15	24.6	0.0558	0.0598
2022/06/11	16	23.1	0.0635	0.0676
2022/06/11	17	20.6	0.0688	0.0698
2022/06/11	18	21	0.0715	0.0701
2022/06/11	19	18.8	0.0739	0.0669
2022/06/11	20	17	0.0716	0.0611
2022/06/11	21	14.1	0.0688	0.0523
2022/06/11	22	14.6	0.0604	0.0455
2022/06/11	23	15.4	0.0580	0.0424
2022/06/12	00	14	0.0537	0.0403
2022/06/12	01	14	0.0542	0.0402
2022/06/12	02	13.3	0.0533	0.0395
2022/06/12	03	13.9	0.0514	0.0440
2022/06/12	04	14.3	0.0439	0.0511
2022/06/12	05	13.9	0.0381	0.0638
2022/06/12	06	16.1	0.0433	0.0765
2022/06/12	07	15.7	0.0563	0.0865
2022/06/12	08	16.5	0.0644	0.0869
2022/06/12	09	16.6	0.0541	0.0807
2022/06/12	10	16.2	0.0393	0.0719
2022/06/12	11	17	0.0328	0.0656
2022/06/12	12	17.8	0.0437	0.0586
2022/06/12	13	18.9	0.0580	0.0555
2022/06/12	14	19.8	0.0584	0.0557
2022/06/12	15	20.9	0.0470	0.0660
2022/06/12	16	22.7	0.0358	0.0774
2022/06/12	17	21.6	0.0384	0.0856
2022/06/12	18	21.2	0.0443	0.0793
2022/06/12	19	20.8	0.0432	0.0691
2022/06/12	20	19	0.0391	0.0556
2022/06/12	21	17.9	0.0453	0.0496
2022/06/12	22	16.3	0.0609	0.0511
2022/06/12	23	15.5	0.0685	0.0554

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/13	00	16.3	0.0594	0.0542
2022/06/13	01	14.7	0.0449	0.0507
2022/06/13	02	14.8	0.0363	0.0559
2022/06/13	03	14.1	0.0429	0.0711
2022/06/13	04	13.3	0.0612	0.0729
2022/06/13	05	13	0.0809	0.0583
2022/06/13	06	14.3	0.0879	0.0406
2022/06/13	07	16	0.0787	0.0430
2022/06/13	08	17.8	0.0649	0.0601
2022/06/13	09	18.5	0.0533	0.0725
2022/06/13	10	18.6	0.0487	0.0673
2022/06/13	11	18.9	0.0449	0.0542
2022/06/13	12	20.1	0.0428	0.0488
2022/06/13	13	20.4	0.0410	0.0506
2022/06/13	14	21.3	0.0448	0.0542
2022/06/13	15	20.6	0.0532	0.0496
2022/06/13	16	20.5	0.0613	0.0538
2022/06/13	17	20.8	0.0681	0.0652
2022/06/13	18	20	0.0695	0.0749
2022/06/13	19	19.8	0.0685	0.0651
2022/06/13	20	18.2	0.0609	0.0486
2022/06/13	21	17.2	0.0492	0.0386
2022/06/13	22	14.9	0.0377	0.0482
2022/06/13	23	12.4	0.0295	0.0539
2022/06/14	00	12.4	0.0272	0.0550
2022/06/14	01	11.9	0.0275	0.0464
2022/06/14	02	13.2	0.0301	0.0486
2022/06/14	03	11.7	0.0394	0.0656
2022/06/14	04	11.1	0.0556	0.0816
2022/06/14	05	12	0.0765	0.0867
2022/06/14	06	14.5	0.0852	0.0753
2022/06/14	07	16.6	0.0801	0.0631
2022/06/14	08	18.9	0.0656	0.0540
2022/06/14	09	22.1	0.0560	0.0511
2022/06/14	10	23.6	0.0525	0.0504
2022/06/14	11	24.6	0.0495	0.0476
2022/06/14	12	25.6	0.0457	0.0489
2022/06/14	13	27.5	0.0418	0.0536
2022/06/14	14	25.8	0.0446	0.0665
2022/06/14	15	27.1	0.0525	0.0730
2022/06/14	16	25.8	0.0604	0.0743
2022/06/14	17	27.3	0.0676	0.0719
2022/06/14	18	26.6	0.0683	0.0698
2022/06/14	19	25.3	0.0675	0.0628
2022/06/14	20	23.1	0.0589	0.0513
2022/06/14	21	19.1	0.0485	0.0391
2022/06/14	22	17.1	0.0367	0.0323
2022/06/14	23	16.2	0.0270	0.0299

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/15	00	18	0.0214	0.0281
2022/06/15	01	15.7	0.0185	0.0314
2022/06/15	02	15.4	0.0193	0.0375
2022/06/15	03	15.7	0.0250	0.0554
2022/06/15	04	15.5	0.0394	0.0704
2022/06/15	05	16.2	0.0577	0.0771
2022/06/15	06	16.5	0.0681	0.0717
2022/06/15	07	17.9	0.0650	0.0633
2022/06/15	08	19	0.0545	0.0576
2022/06/15	09	21.1	0.0495	0.0539
2022/06/15	10	22.4	0.0487	0.0518
2022/06/15	11	22	0.0478	0.0493
2022/06/15	12	21.6	0.0427	0.0473
2022/06/15	13	21.9	0.0405	0.0514
2022/06/15	14	22.4	0.0438	0.0632
2022/06/15	15	22.9	0.0529	0.0741
2022/06/15	16	22.5	0.0587	0.0769
2022/06/15	17	23.4	0.0658	0.0728
2022/06/15	18	22.3	0.0678	0.0662
2022/06/15	19	21.3	0.0700	0.0576
2022/06/15	20	19.2	0.0625	0.0491
2022/06/15	21	20	0.0539	0.0381
2022/06/15	22	20	0.0481	0.0323
2022/06/15	23	19.7	0.0480	0.0269
2022/06/16	00	19.2	0.0458	0.0291
2022/06/16	01	19.3	0.0374	0.0315
2022/06/16	02	18.3	0.0325	0.0401
2022/06/16	03	17.6	0.0385	0.0541
2022/06/16	04	17.6	0.0524	0.0669
2022/06/16	05	19.1	0.0573	0.0721
2022/06/16	06	19.9	0.0472	0.0662
2022/06/16	07	20.4	0.0314	0.0585
2022/06/16	08	22.2	0.0269	0.0530
2022/06/16	09	25.5	0.0378	0.0508
2022/06/16	10	26.1	0.0464	0.0495
2022/06/16	11	27.3	0.0448	0.0461
2022/06/16	12	21.9	0.0353	0.0462
2022/06/16	13	28.8	0.0404	0.0502
2022/06/16	14	28	0.0487	0.0630
2022/06/16	15	25	0.0501	0.0707
2022/06/16	16	25.3	0.0374	0.0759
2022/06/16	17	26.7	0.0309	0.0723
2022/06/16	18	25.7	0.0380	0.0649
2022/06/16	19	24.3	0.0458	0.0569
2022/06/16	20	22.8	0.0440	0.0464
2022/06/16	21	21.7	0.0327	0.0380
2022/06/16	22	21.1	0.0235	0.0361
2022/06/16	23	20.9	0.0242	0.0435

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/17	00	20.5	0.0319	0.0554
2022/06/17	01	20.8	0.0401	0.0553
2022/06/17	02	21.6	0.0402	0.0442
2022/06/17	03	19.5	0.0441	0.0328
2022/06/17	04	19.6	0.0515	0.0370
2022/06/17	05	19.6	0.0623	0.0482
2022/06/17	06	19.8	0.0624	0.0555
2022/06/17	07	20.9	0.0572	0.0491
2022/06/17	08	21.7	0.0495	0.0460
2022/06/17	09	23.1	0.0469	0.0529
2022/06/17	10	24.1	0.0454	0.0592
2022/06/17	11	23.9	0.0489	0.0576
2022/06/17	12	24.2	0.0508	0.0495
2022/06/17	13	26.4	0.0538	0.0513
2022/06/17	14	25.4	0.0557	0.0590
2022/06/17	15	24.7	0.0584	0.0657
2022/06/17	16	23.3	0.0603	0.0613
2022/06/17	17	18.6	0.0587	0.0526
2022/06/17	18	17.5	0.0570	0.0440
2022/06/17	19	16.8	0.0529	0.0433
2022/06/17	20	13	0.0467	0.0486
2022/06/17	21	12.9	0.0382	0.0503
2022/06/17	22	11.5	0.0327	0.0510
2022/06/17	23	10.7	0.0292	0.0530
2022/06/18	00	10.4	0.0298	0.0630
2022/06/18	01	10.9	0.0311	0.0684
2022/06/18	02	10.9	0.0369	0.0647
2022/06/18	03	10.1	0.0479	0.0554
2022/06/18	04	9.4	0.0613	0.0603
2022/06/18	05	9.3	0.0816	0.0816
2022/06/18	06	9.7	0.0975	0.1074
2022/06/18	07	9.7	0.1060	0.1194
2022/06/18	08	9.9	0.1042	0.1153
2022/06/18	09	10.8	0.0919	0.1089
2022/06/18	10	10.5	0.0808	0.1052
2022/06/18	11	10.9	0.0684	0.1020
2022/06/18	12	12.5	0.0610	0.0894
2022/06/18	13	13.2	0.0549	0.0804
2022/06/18	14	14.6	0.0518	0.0749
2022/06/18	15	16.4	0.0526	0.0803
2022/06/18	16	16.1	0.0583	0.0792
2022/06/18	17	15.7	0.0632	0.0811
2022/06/18	18	15	0.0648	0.0797
2022/06/18	19	13.6	0.0612	0.0795
2022/06/18	20	12.6	0.0567	0.0752
2022/06/18	21	11.7	0.0503	0.0704
2022/06/18	22	11.5	0.0431	0.0682
2022/06/18	23	11.2	0.0363	0.0688

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/19	00	10.9	0.0341	0.0708
2022/06/19	01	10.3	0.0340	0.0747
2022/06/19	02	8.9	0.0377	0.0850
2022/06/19	03	8.8	0.0428	0.0995
2022/06/19	04	8.5	0.0521	0.1147
2022/06/19	05	8.7	0.0637	0.1234
2022/06/19	06	9.9	0.0777	0.1228
2022/06/19	07	11.3	0.0866	0.1172
2022/06/19	08	12.6	0.0859	0.1040
2022/06/19	09	14.8	0.0777	0.0927
2022/06/19	10	16.2	0.0696	0.0843
2022/06/19	11	17.1	0.0631	0.0781
2022/06/19	12	18.3	0.0566	0.0740
2022/06/19	13	19.6	0.0522	0.0709
2022/06/19	14	20.6	0.0528	0.0760
2022/06/19	15	21.5	0.0590	0.0843
2022/06/19	16	21.6	0.0652	0.0897
2022/06/19	17	21.3	0.0707	0.0873
2022/06/19	18	20.8	0.0736	0.0781
2022/06/19	19	19.6	0.0726	0.0667
2022/06/19	20	16.1	0.0636	0.0547
2022/06/19	21	14.2	0.0502	0.0447
2022/06/19	22	13.9	0.0363	0.0394
2022/06/19	23	14.2	0.0294	0.0376
2022/06/20	00	14.6	0.0258	0.0394
2022/06/20	01	13.9	0.0269	0.0438
2022/06/20	02	11.3	0.0296	0.0532
2022/06/20	03	10.5	0.0398	0.0726
2022/06/20	04	9.9	0.0599	0.0891
2022/06/20	05	9.4	0.0811	0.0939
2022/06/20	06	12	0.0878	0.0831
2022/06/20	07	14.4	0.0791	0.0711
2022/06/20	08	15.5	0.0661	0.0640
2022/06/20	09	18.2	0.0586	0.0562
2022/06/20	10	20.4	0.0540	0.0500
2022/06/20	11	21.6	0.0492	0.0454
2022/06/20	12	22.3	0.0447	0.0465
2022/06/20	13	22.8	0.0420	0.0526
2022/06/20	14	23.8	0.0438	0.0620
2022/06/20	15	24.3	0.0508	0.0730
2022/06/20	16	24.5	0.0598	0.0781
2022/06/20	17	24.7	0.0666	0.0793
2022/06/20	18	24.1	0.0685	0.0766
2022/06/20	19	22.5	0.0670	0.0669
2022/06/20	20	18.8	0.0582	0.0578
2022/06/20	21	18.8	0.0472	0.0460
2022/06/20	22	16.2	0.0339	0.0415
2022/06/20	23	15.6	0.0262	0.0366

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/21	00	15.1	0.0221	0.0349
2022/06/21	01	14.5	0.0210	0.0405
2022/06/21	02	13.6	0.0212	0.0567
2022/06/21	03	14.3	0.0242	0.0654
2022/06/21	04	13.9	0.0376	0.0633
2022/06/21	05	13.9	0.0537	0.0554
2022/06/21	06	14	0.0642	0.0634
2022/06/21	07	14.2	0.0607	0.0677
2022/06/21	08	15.2	0.0539	0.0615
2022/06/21	09	15.6	0.0497	0.0484
2022/06/21	10	16.8	0.0469	0.0506
2022/06/21	11	17.1	0.0447	0.0628
2022/06/21	12	15.2	0.0427	0.0742
2022/06/21	13	14.7	0.0426	0.0682
2022/06/21	14	14.4	0.0449	0.0546
2022/06/21	15	14.2	0.0508	0.0429
2022/06/21	16	15.7	0.0616	0.0470
2022/06/21	17	15.9	0.0699	0.0569
2022/06/21	18	15.8	0.0731	0.0636
2022/06/21	19	15.9	0.0702	0.0645
2022/06/21	20	15.7	0.0585	0.0750
2022/06/21	21	15.8	0.0462	0.0815
2022/06/21	22	15.8	0.0380	0.0795
2022/06/21	23	15.4	0.0396	0.0647
2022/06/22	00	15	0.0402	0.0610
2022/06/22	01	14.8	0.0367	0.0655
2022/06/22	02	14.6	0.0372	0.0704
2022/06/22	03	14.5	0.0439	0.0678
2022/06/22	04	14.4	0.0544	0.0698
2022/06/22	05	14.8	0.0506	0.0787
2022/06/22	06	16.9	0.0422	0.0874
2022/06/22	07	18.2	0.0303	0.0834
2022/06/22	08	19.9	0.0361	0.0709
2022/06/22	09	21.4	0.0450	0.0583
2022/06/22	10	23.6	0.0534	0.0510
2022/06/22	11	24.5	0.0453	0.0488
2022/06/22	12	25.9	0.0379	0.0510
2022/06/22	13	27.4	0.0394	0.0645
2022/06/22	14	28.4	0.0449	0.0755
2022/06/22	15	27.8	0.0436	0.0806
2022/06/22	16	27.8	0.0341	0.0747
2022/06/22	17	28.1	0.0379	0.0680
2022/06/22	18	26.6	0.0469	0.0604
2022/06/22	19	25.1	0.0534	0.0494
2022/06/22	20	23.6	0.0435	0.0392
2022/06/22	21	22.8	0.0317	0.0329
2022/06/22	22	22.4	0.0225	0.0300
2022/06/22	23	21.2	0.0270	0.0314

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/23	00	20.2	0.0321	0.0319
2022/06/23	01	19.6	0.0385	0.0395
2022/06/23	02	19.1	0.0350	0.0524
2022/06/23	03	18.4	0.0415	0.0678
2022/06/23	04	17.7	0.0521	0.0757
2022/06/23	05	17.9	0.0621	0.0741
2022/06/23	06	17.6	0.0600	0.0689
2022/06/23	07	17.9	0.0532	0.0666
2022/06/23	08	17.8	0.0490	0.0646
2022/06/23	09	17.7	0.0462	0.0620
2022/06/23	10	17.6	0.0424	0.0579
2022/06/23	11	18.8	0.0410	0.0558
2022/06/23	12	18.6	0.0407	0.0609
2022/06/23	13	18.6	0.0435	0.0689
2022/06/23	14	18.5	0.0476	0.0764
2022/06/23	15	19	0.0533	0.0747
2022/06/23	16	19.5	0.0577	0.0719
2022/06/23	17	19.3	0.0599	0.0639
2022/06/23	18	20.2	0.0597	0.0589
2022/06/23	19	19	0.0551	0.0493
2022/06/23	20	17.9	0.0467	0.0424
2022/06/23	21	17.3	0.0359	0.0354
2022/06/23	22	16.2	0.0270	0.0318
2022/06/23	23	15.4	0.0214	0.0299
2022/06/24	00	16	0.0194	0.0324
2022/06/24	01	15.2	0.0199	0.0410
2022/06/24	02	13.8	0.0234	0.0602
2022/06/24	03	14.5	0.0349	0.0759
2022/06/24	04	14	0.0491	0.0849
2022/06/24	05	14	0.0608	0.0840
2022/06/24	06	16.3	0.0597	0.0839
2022/06/24	07	18.1	0.0555	0.0804
2022/06/24	08	18.7	0.0492	0.0745
2022/06/24	09	20.9	0.0483	0.0690
2022/06/24	10	21.9	0.0441	0.0677
2022/06/24	11	23.8	0.0416	0.0650
2022/06/24	12	25.4	0.0378	0.0650
2022/06/24	13	26.3	0.0410	0.0668
2022/06/24	14	26.7	0.0462	0.0733
2022/06/24	15	27	0.0524	0.0738
2022/06/24	16	27	0.0549	0.0737
2022/06/24	17	26.2	0.0536	0.0692
2022/06/24	18	25.4	0.0514	0.0624
2022/06/24	19	24.7	0.0464	0.0542
2022/06/24	20	22.4	0.0407	0.0440
2022/06/24	21	21.6	0.0335	0.0361
2022/06/24	22	20.9	0.0278	0.0279
2022/06/24	23	19.9	0.0225	0.0261

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/25	00	17.6	0.0194	0.0281
2022/06/25	01	17.5	0.0180	0.0337
2022/06/25	02	17.2	0.0202	0.0385
2022/06/25	03	17.1	0.0252	0.0507
2022/06/25	04	16.2	0.0338	0.0656
2022/06/25	05	16.9	0.0457	0.0778
2022/06/25	06	18.4	0.0571	0.0690
2022/06/25	07	20.5	0.0642	0.0578
2022/06/25	08	23.2	0.0649	0.0577
2022/06/25	09	24.8	0.0609	0.0690
2022/06/25	10	26.3	0.0540	0.0651
2022/06/25	11	27.5	0.0478	0.0480
2022/06/25	12	28.5	0.0430	0.0332
2022/06/25	13	29.3	0.0431	0.0416
2022/06/25	14	30	0.0457	0.0541
2022/06/25	15	30.5	0.0513	0.0652
2022/06/25	16	30.4	0.0549	0.0557
2022/06/25	17	30.3	0.0573	0.0490
2022/06/25	18	29.1	0.0541	0.0451
2022/06/25	19	26.7	0.0490	0.0547
2022/06/25	20	25.2	0.0403	0.0595
2022/06/25	21	23.7	0.0321	0.0615
2022/06/25	22	21	0.0250	0.0626
2022/06/25	23	21.8	0.0246	0.0710
2022/06/26	00	21	0.0361	0.0794
2022/06/26	01	20.5	0.0485	0.0813
2022/06/26	02	19.6	0.0476	0.0775
2022/06/26	03	18.6	0.0367	0.0713
2022/06/26	04	16.4	0.0253	0.0680
2022/06/26	05	17.7	0.0328	0.0658
2022/06/26	06	20	0.0409	0.0643
2022/06/26	07	22.2	0.0492	0.0627
2022/06/26	08	24.6	0.0408	0.0569
2022/06/26	09	26.9	0.0348	0.0516
2022/06/26	10	28.6	0.0326	0.0475
2022/06/26	11	29.8	0.0379	0.0465
2022/06/26	12	31.2	0.0387	0.0545
2022/06/26	13	30.6	0.0348	0.0648
2022/06/26	14	28.8	0.0342	0.0784
2022/06/26	15	26.9	0.0418	0.0797
2022/06/26	16	26.6	0.0498	0.0751
2022/06/26	17	24.5	0.0473	0.0642
2022/06/26	18	23.7	0.0366	0.0567
2022/06/26	19	23.4	0.0282	0.0451
2022/06/26	20	23.2	0.0336	0.0353
2022/06/26	21	21.6	0.0448	0.0288
2022/06/26	22	21	0.0525	0.0265
2022/06/26	23	21.1	0.0487	0.0279

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/27	00	21	0.0468	0.0277
2022/06/27	01	21.3	0.0490	0.0357
2022/06/27	02	20.8	0.0533	0.0466
2022/06/27	03	20.2	0.0538	0.0637
2022/06/27	04	20.6	0.0527	0.0723
2022/06/27	05	19.4	0.0563	0.0721
2022/06/27	06	18.7	0.0561	0.0643
2022/06/27	07	18.8	0.0557	0.0590
2022/06/27	08	20.3	0.0517	0.0550
2022/06/27	09	21	0.0515	0.0517
2022/06/27	10	21.9	0.0507	0.0461
2022/06/27	11	21.3	0.0496	0.0447
2022/06/27	12	21.1	0.0487	0.0503
2022/06/27	13	22.3	0.0511	0.0663
2022/06/27	14	21.3	0.0614	0.0777
2022/06/27	15	21.1	0.0690	0.0821
2022/06/27	16	20.7	0.0703	0.0763
2022/06/27	17	20.6	0.0641	0.0699
2022/06/27	18	19.6	0.0578	0.0654
2022/06/27	19	18.8	0.0513	0.0572
2022/06/27	20	18.4	0.0438	0.0518
2022/06/27	21	16.8	0.0346	0.0433
2022/06/27	22	15.2	0.0280	0.0394
2022/06/27	23	15.2	0.0230	0.0360
2022/06/28	00	14.9	0.0214	0.0343
2022/06/28	01	15.2	0.0213	0.0441
2022/06/28	02	15.1	0.0258	0.0597
2022/06/28	03	14.9	0.0393	0.0717
2022/06/28	04	13.3	0.0540	0.0746
2022/06/28	05	14.4	0.0623	0.0674
2022/06/28	06	14.9	0.0583	0.0648
2022/06/28	07	15.9	0.0508	0.0632
2022/06/28	08	17.7	0.0453	0.0698
2022/06/28	09	19.3	0.0430	0.0679
2022/06/28	10	20.6	0.0401	0.0637
2022/06/28	11	20.8	0.0379	0.0554
2022/06/28	12	22.1	0.0380	0.0581
2022/06/28	13	22.4	0.0403	0.0666
2022/06/28	14	22.1	0.0473	0.0719
2022/06/28	15	24.3	0.0522	0.0754
2022/06/28	16	24.3	0.0588	0.0744
2022/06/28	17	23.9	0.0586	0.0783
2022/06/28	18	23	0.0585	0.0697
2022/06/28	19	21.5	0.0526	0.0571
2022/06/28	20	19.5	0.0446	0.0429
2022/06/28	21	18	0.0335	0.0387
2022/06/28	22	16.8	0.0266	0.0371
2022/06/28	23	16.1	0.0219	0.0351

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/06/29	00	15.5	0.0204	0.0373
2022/06/29	01	14.6	0.0196	0.0444
2022/06/29	02	14.4	0.0227	0.0574
2022/06/29	03	13.6	0.0344	0.0711
2022/06/29	04	13.4	0.0475	0.0807
2022/06/29	05	14	0.0577	0.0821
2022/06/29	06	15	0.0561	0.0754
2022/06/29	07	16.8	0.0520	0.0679
2022/06/29	08	18.7	0.0485	0.0617
2022/06/29	09	20.4	0.0491	0.0596
2022/06/29	10	22.5	0.0478	0.0515
2022/06/29	11	21.8	0.0456	0.0413
2022/06/29	12	18.3	0.0444	0.0419
2022/06/29	13	18.3	0.0468	0.0495
2022/06/29	14	17.5	0.0502	0.0582
2022/06/29	15	17.8	0.0552	0.0576
2022/06/29	16	18.4	0.0593	0.0635
2022/06/29	17	17.4	0.0606	0.0716
2022/06/29	18	18.4	0.0578	0.0779
2022/06/29	19	18.1	0.0513	0.0738
2022/06/29	20	16.1	0.0441	0.0751
2022/06/29	21	15.1	0.0344	0.0719
2022/06/29	22	14.4	0.0277	0.0733
2022/06/29	23	12.3	0.0231	0.0644
2022/06/30	00	12.8	0.0228	0.0590
2022/06/30	01	11.9	0.0241	0.0576
2022/06/30	02	11	0.0346	0.0609
2022/06/30	03	10.7	0.0438	0.0638
2022/06/30	04	11.1	0.0496	0.0560
2022/06/30	05	11.1	0.0462	0.0531
2022/06/30	06	13.3	0.0470	0.0524
2022/06/30	07	13.8	0.0550	0.0522
2022/06/30	08	15	0.0544	0.0487
2022/06/30	09	15.7	0.0455	0.0443
2022/06/30	10	19.5	0.0298	0.0459
2022/06/30	11	21.3	0.0350	0.0489
2022/06/30	12	22.2	0.0462	0.0545
2022/06/30	13	21.3	0.0577	0.0558
2022/06/30	14	22.6	0.0496	0.0506
2022/06/30	15	23.8	0.0386	0.0470
2022/06/30	16	23.8	0.0284	0.0483
2022/06/30	17	24.1	0.0349	0.0586
2022/06/30	18	22.2	0.0419	0.0610
2022/06/30	19	21.1	0.0505	0.0639
2022/06/30	20	20.1	0.0461	0.0573
2022/06/30	21	19.3	0.0442	0.0530
2022/06/30	22	17.3	0.0443	0.0454
2022/06/30	23	18.5	0.0464	0.0397

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/01	00	19.4	0.0468	0.0350
2022/07/01	01	19.7	0.0448	0.0292
2022/07/01	02	19.1	0.0497	0.0306
2022/07/01	03	20	0.0552	0.0338
2022/07/01	04	20.7	0.0609	0.0428
2022/07/01	05	20.6	0.0604	0.0513
2022/07/01	06	21.6	0.0601	0.0637
2022/07/01	07	22.1	0.0580	0.0737
2022/07/01	08	21.9	0.0574	0.0788
2022/07/01	09	22.2	0.0558	0.0771
2022/07/01	10	22.8	0.0522	0.0711
2022/07/01	11	23.8	0.0490	0.0668
2022/07/01	12	24.4	0.0487	0.0645
2022/07/01	13	24.3	0.0540	0.0624
2022/07/01	14	25.4	0.0591	0.0608
2022/07/01	15	26.9	0.0608	0.0646
2022/07/01	16	27.6	0.0578	0.0658
2022/07/01	17	27.6	0.0533	0.0649
2022/07/01	18	27.2	0.0472	0.0581
2022/07/01	19	25.9	0.0417	0.0556
2022/07/01	20	23.6	0.0348	0.0542
2022/07/01	21	23	0.0296	0.0491
2022/07/01	22	22.1	0.0244	0.0424
2022/07/01	23	21	0.0219	0.0337
2022/07/02	00	22.3	0.0204	0.0309
2022/07/02	01	19.6	0.0215	0.0291
2022/07/02	02	20	0.0262	0.0315
2022/07/02	03	18.6	0.0354	0.0334
2022/07/02	04	16.4	0.0511	0.0419
2022/07/02	05	15.9	0.0662	0.0513
2022/07/02	06	17.6	0.0723	0.0648
2022/07/02	07	18.6	0.0686	0.0726
2022/07/02	08	20.1	0.0604	0.0736
2022/07/02	09	22	0.0543	0.0753
2022/07/02	10	23.8	0.0492	0.0714
2022/07/02	11	25.1	0.0459	0.0704
2022/07/02	12	24.2	0.0446	0.0602
2022/07/02	13	26.1	0.0471	0.0544
2022/07/02	14	26.8	0.0515	0.0553
2022/07/02	15	25.5	0.0541	0.0643
2022/07/02	16	27.4	0.0539	0.0794
2022/07/02	17	26.4	0.0507	0.0828
2022/07/02	18	25.8	0.0457	0.0768
2022/07/02	19	24	0.0381	0.0632
2022/07/02	20	22.2	0.0306	0.0539
2022/07/02	21	19.7	0.0253	0.0457
2022/07/02	22	17.2	0.0223	0.0379
2022/07/02	23	15.3	0.0203	0.0326

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/03	00	14.9	0.0196	0.0315
2022/07/03	01	14.6	0.0202	0.0330
2022/07/03	02	13.3	0.0233	0.0340
2022/07/03	03	14.4	0.0317	0.0354
2022/07/03	04	13.5	0.0424	0.0403
2022/07/03	05	12.1	0.0542	0.0534
2022/07/03	06	14.2	0.0611	0.0697
2022/07/03	07	17.8	0.0624	0.0814
2022/07/03	08	19.1	0.0598	0.0826
2022/07/03	09	19.6	0.0539	0.0807
2022/07/03	10	20.8	0.0497	0.0788
2022/07/03	11	21.4	0.0465	0.0773
2022/07/03	12	22.5	0.0507	0.0719
2022/07/03	13	23.2	0.0570	0.0652
2022/07/03	14	23.8	0.0649	0.0632
2022/07/03	15	24.7	0.0664	0.0677
2022/07/03	16	24.6	0.0655	0.0741
2022/07/03	17	24.6	0.0600	0.0725
2022/07/03	18	23.9	0.0532	0.0648
2022/07/03	19	22.3	0.0434	0.0608
2022/07/03	20	21	0.0329	0.0662
2022/07/03	21	20.1	0.0252	0.0693
2022/07/03	22	18.8	0.0211	0.0692
2022/07/03	23	16.2	0.0201	0.0603
2022/07/04	00	18.1	0.0212	0.0544
2022/07/04	01	17	0.0266	0.0479
2022/07/04	02	13.8	0.0374	0.0503
2022/07/04	03	14.5	0.0496	0.0502
2022/07/04	04	14.2	0.0573	0.0492
2022/07/04	05	13.9	0.0583	0.0490
2022/07/04	06	16.4	0.0535	0.0607
2022/07/04	07	18.1	0.0435	0.0666
2022/07/04	08	19.7	0.0427	0.0575
2022/07/04	09	21.4	0.0431	0.0431
2022/07/04	10	23.3	0.0497	0.0437
2022/07/04	11	22.5	0.0420	0.0578
2022/07/04	12	25.1	0.0348	0.0669
2022/07/04	13	25.4	0.0290	0.0630
2022/07/04	14	26.5	0.0351	0.0531
2022/07/04	15	26.4	0.0403	0.0462
2022/07/04	16	25.5	0.0419	0.0483
2022/07/04	17	24.9	0.0398	0.0465
2022/07/04	18	23.9	0.0446	0.0446
2022/07/04	19	23	0.0502	0.0435
2022/07/04	20	20.1	0.0500	0.0581
2022/07/04	21	19.4	0.0466	0.0725
2022/07/04	22	18.9	0.0456	0.0710
2022/07/04	23	17.7	0.0490	0.0558

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/05	00	17.9	0.0495	0.0379
2022/07/05	01	18.1	0.0486	0.0307
2022/07/05	02	17	0.0509	0.0312
2022/07/05	03	17.1	0.0543	0.0370
2022/07/05	04	16.5	0.0559	0.0513
2022/07/05	05	17	0.0523	0.0624
2022/07/05	06	17.2	0.0470	0.0708
2022/07/05	07	17.5	0.0432	0.0665
2022/07/05	08	17.7	0.0464	0.0650
2022/07/05	09	18.8	0.0470	0.0628
2022/07/05	10	19.6	0.0448	0.0608
2022/07/05	11	20	0.0388	0.0552
2022/07/05	12	20.1	0.0409	0.0535
2022/07/05	13	20.3	0.0493	0.0559
2022/07/05	14	20	0.0576	0.0634
2022/07/05	15	19.7	0.0618	0.0694
2022/07/05	16	20.2	0.0593	0.0739
2022/07/05	17	19.6	0.0562	0.0734
2022/07/05	18	17.9	0.0495	0.0738
2022/07/05	19	17.7	0.0436	0.0700
2022/07/05	20	16.9	0.0343	0.0631
2022/07/05	21	17.1	0.0277	0.0479
2022/07/05	22	17.1	0.0230	0.0368
2022/07/05	23	16.8	0.0217	0.0318
2022/07/06	00	16.9	0.0221	0.0331
2022/07/06	01	17.2	0.0255	0.0353
2022/07/06	02	16.7	0.0364	0.0355
2022/07/06	03	16.8	0.0484	0.0400
2022/07/06	04	16.1	0.0577	0.0537
2022/07/06	05	16	0.0558	0.0698
2022/07/06	06	17	0.0510	0.0767
2022/07/06	07	17.7	0.0482	0.0738
2022/07/06	08	18.5	0.0486	0.0659
2022/07/06	09	18.9	0.0473	0.0594
2022/07/06	10	20.3	0.0433	0.0547
2022/07/06	11	21.8	0.0393	0.0512
2022/07/06	12	23	0.0391	0.0504
2022/07/06	13	21.5	0.0435	0.0489
2022/07/06	14	23.3	0.0516	0.0517
2022/07/06	15	22.6	0.0563	0.0577
2022/07/06	16	22.9	0.0585	0.0625
2022/07/06	17	22.7	0.0561	0.0659
2022/07/06	18	23.4	0.0528	0.0627
2022/07/06	19	21.6	0.0447	0.0626
2022/07/06	20	19.5	0.0348	0.0554
2022/07/06	21	19	0.0259	0.0508
2022/07/06	22	18	0.0211	0.0428
2022/07/06	23	16	0.0200	0.0387

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/07	00	14.1	0.0214	0.0376
2022/07/07	01	12.7	0.0274	0.0381
2022/07/07	02	14.5	0.0391	0.0402
2022/07/07	03	12.7	0.0542	0.0453
2022/07/07	04	11.4	0.0622	0.0575
2022/07/07	05	12.2	0.0611	0.0722
2022/07/07	06	15.2	0.0537	0.0772
2022/07/07	07	17.5	0.0473	0.0697
2022/07/07	08	18.9	0.0431	0.0622
2022/07/07	09	20.6	0.0400	0.0594
2022/07/07	10	22.6	0.0381	0.0578
2022/07/07	11	23.7	0.0366	0.0549
2022/07/07	12	23.9	0.0397	0.0524
2022/07/07	13	24.2	0.0486	0.0548
2022/07/07	14	24.7	0.0577	0.0557
2022/07/07	15	24.9	0.0623	0.0606
2022/07/07	16	24.9	0.0606	0.0623
2022/07/07	17	25.8	0.0563	0.0649
2022/07/07	18	24.4	0.0508	0.0629
2022/07/07	19	23	0.0421	0.0630
2022/07/07	20	19.7	0.0327	0.0615
2022/07/07	21	20.1	0.0247	0.0576
2022/07/07	22	19	0.0210	0.0545
2022/07/07	23	19	0.0195	0.0497
2022/07/08	00	18.5	0.0193	0.0445
2022/07/08	01	17.1	0.0207	0.0449
2022/07/08	02	15.5	0.0295	0.0530
2022/07/08	03	15.3	0.0437	0.0627
2022/07/08	04	14.5	0.0547	0.0600
2022/07/08	05	15.5	0.0567	0.0466
2022/07/08	06	17.3	0.0524	0.0337
2022/07/08	07	18.6	0.0522	0.0358
2022/07/08	08	20.7	0.0523	0.0483
2022/07/08	09	21.9	0.0514	0.0563
2022/07/08	10	23.2	0.0460	0.0572
2022/07/08	11	22.8	0.0394	0.0559
2022/07/08	12	24.6	0.0326	0.0557
2022/07/08	13	24.4	0.0311	0.0533
2022/07/08	14	24.5	0.0340	0.0542
2022/07/08	15	24.9	0.0409	0.0611
2022/07/08	16	23.4	0.0467	0.0675
2022/07/08	17	24.1	0.0518	0.0678
2022/07/08	18	24	0.0561	0.0635
2022/07/08	19	22.3	0.0598	0.0576
2022/07/08	20	20.2	0.0615	0.0506
2022/07/08	21	18.3	0.0600	0.0442
2022/07/08	22	16.9	0.0542	0.0396
2022/07/08	23	16.1	0.0545	0.0366

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/09	00	15	0.0558	0.0338
2022/07/09	01	14.1	0.0548	0.0357
2022/07/09	02	13.1	0.0490	0.0366
2022/07/09	03	12.1	0.0422	0.0425
2022/07/09	04	11.6	0.0387	0.0477
2022/07/09	05	11.7	0.0388	0.0603
2022/07/09	06	13.1	0.0387	0.0726
2022/07/09	07	14.8	0.0401	0.0816
2022/07/09	08	16.1	0.0372	0.0824
2022/07/09	09	17.6	0.0357	0.0777
2022/07/09	10	18.1	0.0316	0.0714
2022/07/09	11	19.5	0.0326	0.0638
2022/07/09	12	20.3	0.0376	0.0525
2022/07/09	13	20.8	0.0470	0.0462
2022/07/09	14	22.1	0.0454	0.0463
2022/07/09	15	23	0.0395	0.0559
2022/07/09	16	22.9	0.0346	0.0636
2022/07/09	17	22.9	0.0399	0.0632
2022/07/09	18	22.3	0.0472	0.0576
2022/07/09	19	21.2	0.0500	0.0511
2022/07/09	20	19.4	0.0461	0.0476
2022/07/09	21	16.8	0.0393	0.0442
2022/07/09	22	14.1	0.0309	0.0401
2022/07/09	23	12.8	0.0253	0.0385
2022/07/10	00	13.3	0.0209	0.0350
2022/07/10	01	11.8	0.0191	0.0352
2022/07/10	02	13.8	0.0190	0.0330
2022/07/10	03	13.6	0.0201	0.0360
2022/07/10	04	12.8	0.0249	0.0418
2022/07/10	05	12.3	0.0332	0.0529
2022/07/10	06	14.9	0.0454	0.0643
2022/07/10	07	17.1	0.0560	0.0744
2022/07/10	08	19.3	0.0634	0.0784
2022/07/10	09	21.6	0.0645	0.0784
2022/07/10	10	24	0.0617	0.0786
2022/07/10	11	24.8	0.0558	0.0781
2022/07/10	12	26.8	0.0500	0.0766
2022/07/10	13	27	0.0477	0.0681
2022/07/10	14	27.1	0.0488	0.0637
2022/07/10	15	28.2	0.0541	0.0661
2022/07/10	16	27.3	0.0587	0.0702
2022/07/10	17	25.4	0.0618	0.0735
2022/07/10	18	24.9	0.0598	0.0676
2022/07/10	19	22.8	0.0569	0.0605
2022/07/10	20	22	0.0492	0.0518
2022/07/10	21	20.7	0.0418	0.0450
2022/07/10	22	19.6	0.0312	0.0365
2022/07/10	23	18.6	0.0245	0.0301

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/11	00	18	0.0198	0.0260
2022/07/11	01	17.1	0.0188	0.0262
2022/07/11	02	16.2	0.0196	0.0291
2022/07/11	03	16.4	0.0228	0.0360
2022/07/11	04	16.3	0.0325	0.0495
2022/07/11	05	15.8	0.0426	0.0612
2022/07/11	06	16.6	0.0509	0.0669
2022/07/11	07	18.4	0.0514	0.0640
2022/07/11	08	21.2	0.0492	0.0572
2022/07/11	09	23.1	0.0464	0.0534
2022/07/11	10	23.6	0.0444	0.0503
2022/07/11	11	26.5	0.0420	0.0527
2022/07/11	12	28.1	0.0387	0.0521
2022/07/11	13	28.5	0.0366	0.0548
2022/07/11	14	28.9	0.0395	0.0565
2022/07/11	15	28.8	0.0473	0.0658
2022/07/11	16	28	0.0540	0.0710
2022/07/11	17	27.4	0.0595	0.0730
2022/07/11	18	26	0.0589	0.0673
2022/07/11	19	23.5	0.0569	0.0587
2022/07/11	20	24.5	0.0480	0.0518
2022/07/11	21	23.2	0.0388	0.0480
2022/07/11	22	23.1	0.0291	0.0547
2022/07/11	23	22	0.0229	0.0549
2022/07/12	00	18.9	0.0186	0.0497
2022/07/12	01	19	0.0171	0.0360
2022/07/12	02	19.7	0.0169	0.0356
2022/07/12	03	19.8	0.0207	0.0430
2022/07/12	04	19.6	0.0306	0.0561
2022/07/12	05	19.4	0.0422	0.0540
2022/07/12	06	20	0.0510	0.0448
2022/07/12	07	20.6	0.0516	0.0337
2022/07/12	08	22.3	0.0500	0.0357
2022/07/12	09	24.4	0.0473	0.0460
2022/07/12	10	25	0.0453	0.0503
2022/07/12	11	26.5	0.0416	0.0492
2022/07/12	12	26	0.0382	0.0489
2022/07/12	13	16.7	0.0358	0.0547
2022/07/12	14	21.3	0.0392	0.0573
2022/07/12	15	22.7	0.0470	0.0536
2022/07/12	16	24.2	0.0564	0.0496
2022/07/12	17	23.4	0.0582	0.0520
2022/07/12	18	22.5	0.0544	0.0576
2022/07/12	19	21.5	0.0470	0.0607
2022/07/12	20	20.1	0.0460	0.0549
2022/07/12	21	19.6	0.0501	0.0462
2022/07/12	22	19.1	0.0521	0.0399
2022/07/12	23	17.9	0.0480	0.0411

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/13	00	17.3	0.0385	0.0462
2022/07/13	01	14.9	0.0334	0.0503
2022/07/13	02	15.1	0.0340	0.0544
2022/07/13	03	14	0.0353	0.0638
2022/07/13	04	14.9	0.0341	0.0718
2022/07/13	05	14.8	0.0340	0.0784
2022/07/13	06	16.2	0.0392	0.0711
2022/07/13	07	18.7	0.0480	0.0616
2022/07/13	08	20.5	0.0445	0.0518
2022/07/13	09	21.4	0.0368	0.0485
2022/07/13	10	23	0.0266	0.0472
2022/07/13	11	24	0.0322	0.0475
2022/07/13	12	24	0.0421	0.0445
2022/07/13	13	25	0.0523	0.0452
2022/07/13	14	25	0.0474	0.0513
2022/07/13	15	26	0.0399	0.0615
2022/07/13	16	24	0.0368	0.0691
2022/07/13	17	24	0.0415	0.0672
2022/07/13	18	23	0.0425	0.0604
2022/07/13	19	22	0.0372	0.0530
2022/07/13	20	21	0.0369	0.0437
2022/07/13	21	19	0.0403	0.0386
2022/07/13	22	18	0.0462	0.0327
2022/07/13	23	17	0.0414	0.0347
2022/07/14	00	16	0.0330	0.0346
2022/07/14	01	16	0.0242	0.0387
2022/07/14	02	16	0.0214	0.0433
2022/07/14	03	15	0.0247	0.0545
2022/07/14	04	15	0.0339	0.0666
2022/07/14	05	15	0.0454	0.0714
2022/07/14	06	16	0.0536	0.0687
2022/07/14	07	17	0.0535	0.0596
2022/07/14	08	18	0.0504	0.0545
2022/07/14	09	20	0.0474	0.0490
2022/07/14	10	21.6	0.0457	0.0453
2022/07/14	11	23.1	0.0429	0.0429
2022/07/14	12	23.8	0.0385	0.0428
2022/07/14	13	23.9	0.0373	0.0462
2022/07/14	14	24.3	0.0383	0.0518
2022/07/14	15	24.3	0.0452	0.0597
2022/07/14	16	23.4	0.0535	0.0643
2022/07/14	17	24	0.0581	0.0641
2022/07/14	18	24.1	0.0574	0.0597
2022/07/14	19	22.8	0.0520	0.0527
2022/07/14	20	19.8	0.0468	0.0444
2022/07/14	21	19.8	0.0410	0.0370
2022/07/14	22	17.2	0.0324	0.0324
2022/07/14	23	16.4	0.0250	0.0303

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/15	00	16.9	0.0193	0.0298
2022/07/15	01	16.1	0.0182	0.0336
2022/07/15	02	14.9	0.0191	0.0406
2022/07/15	03	14.8	0.0222	0.0507
2022/07/15	04	13.5	0.0326	0.0597
2022/07/15	05	13	0.0455	0.0674
2022/07/15	06	15.3	0.0560	0.0690
2022/07/15	07	17.2	0.0569	0.0662
2022/07/15	08	20.6	0.0553	0.0592
2022/07/15	09	22.7	0.0514	0.0541
2022/07/15	10	24.5	0.0488	0.0500
2022/07/15	11	24.9	0.0446	0.0465
2022/07/15	12	24.7	0.0400	0.0456
2022/07/15	13	25.6	0.0376	0.0487
2022/07/15	14	26.4	0.0362	0.0574
2022/07/15	15	25.9	0.0431	0.0636
2022/07/15	16	26.3	0.0469	0.0632
2022/07/15	17	26.6	0.0502	0.0599
2022/07/15	18	24.6	0.0487	0.0553
2022/07/15	19	23.8	0.0456	0.0518
2022/07/15	20	22.1	0.0416	0.0429
2022/07/15	21	21.2	0.0346	0.0365
2022/07/15	22	20.3	0.0288	0.0291
2022/07/15	23	19.4	0.0236	0.0346
2022/07/16	00	19.2	0.0196	0.0420
2022/07/16	01	19.2	0.0172	0.0499
2022/07/16	02	17.3	0.0165	0.0460
2022/07/16	03	17	0.0175	0.0382
2022/07/16	04	16	0.0216	0.0352
2022/07/16	05	15.6	0.0307	0.0388
2022/07/16	06	17.5	0.0421	0.0443
2022/07/16	07	20.1	0.0531	0.0465
2022/07/16	08	22	0.0565	0.0424
2022/07/16	09	23.2	0.0566	0.0421
2022/07/16	10	25.4	0.0522	0.0500
2022/07/16	11	26.4	0.0479	0.0521
2022/07/16	12	27.6	0.0421	0.0462
2022/07/16	13	27.7	0.0379	0.0344
2022/07/16	14	28	0.0373	0.0404
2022/07/16	15	27.2	0.0419	0.0518
2022/07/16	16	28.8	0.0490	0.0603
2022/07/16	17	28.3	0.0528	0.0540
2022/07/16	18	27.3	0.0519	0.0419
2022/07/16	19	25.5	0.0476	0.0315
2022/07/16	20	23.8	0.0447	0.0347
2022/07/16	21	22.3	0.0405	0.0418
2022/07/16	22	21.6	0.0397	0.0500
2022/07/16	23	20.4	0.0389	0.0454

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/17	00	20.4	0.0383	0.0445
2022/07/17	01	18.5	0.0333	0.0472
2022/07/17	02	17.7	0.0341	0.0528
2022/07/17	03	18.1	0.0398	0.0543
2022/07/17	04	17.8	0.0478	0.0554
2022/07/17	05	16.3	0.0434	0.0600
2022/07/17	06	19.3	0.0353	0.0669
2022/07/17	07	21.8	0.0261	0.0708
2022/07/17	08	24	0.0310	0.0728
2022/07/17	09	26	0.0373	0.0678
2022/07/17	10	27.3	0.0427	0.0583
2022/07/17	11	28.6	0.0355	0.0491
2022/07/17	12	29.3	0.0297	0.0482
2022/07/17	13	29.1	0.0266	0.0531
2022/07/17	14	28.9	0.0304	0.0606
2022/07/17	15	28.7	0.0306	0.0675
2022/07/17	16	28.7	0.0289	0.0674
2022/07/17	17	30.1	0.0289	0.0653
2022/07/17	18	29.1	0.0360	0.0574
2022/07/17	19	26.3	0.0476	0.0513
2022/07/17	20	24.1	0.0452	0.0410
2022/07/17	21	23.1	0.0364	0.0331
2022/07/17	22	21.6	0.0233	0.0287
2022/07/17	23	20.5	0.0301	0.0257
2022/07/18	00	20.8	0.0381	0.0262
2022/07/18	01	20.3	0.0454	0.0258
2022/07/18	02	20.4	0.0399	0.0322
2022/07/18	03	19.7	0.0389	0.0414
2022/07/18	04	18.1	0.0419	0.0534
2022/07/18	05	18.3	0.0484	0.0611
2022/07/18	06	19.8	0.0508	0.0612
2022/07/18	07	21.1	0.0486	0.0594
2022/07/18	08	22.3	0.0457	0.0540
2022/07/18	09	22.8	0.0434	0.0543
2022/07/18	10	22.9	0.0423	0.0503
2022/07/18	11	22.3	0.0413	0.0520
2022/07/18	12	21.2	0.0387	0.0482
2022/07/18	13	21.1	0.0368	0.0504
2022/07/18	14	21.1	0.0389	0.0596
2022/07/18	15	21.1	0.0455	0.0694
2022/07/18	16	21.1	0.0542	0.0711
2022/07/18	17	20.7	0.0573	0.0657
2022/07/18	18	20.6	0.0574	0.0571
2022/07/18	19	20.9	0.0554	0.0508
2022/07/18	20	20.9	0.0492	0.0402
2022/07/18	21	20.9	0.0402	0.0337
2022/07/18	22	20.1	0.0294	0.0307
2022/07/18	23	19.3	0.0235	0.0303

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/19	00	18.5	0.0192	0.0306
2022/07/19	01	19	0.0170	0.0302
2022/07/19	02	18.9	0.0169	0.0358
2022/07/19	03	18.2	0.0201	0.0446
2022/07/19	04	18.2	0.0302	0.0573
2022/07/19	05	18.1	0.0440	0.0622
2022/07/19	06	18.6	0.0559	0.0627
2022/07/19	07	20	0.0576	0.0591
2022/07/19	08	21.8	0.0531	0.0527
2022/07/19	09	23.7	0.0472	0.0488
2022/07/19	10	25	0.0429	0.0425
2022/07/19	11	27.3	0.0409	0.0418
2022/07/19	12	28.6	0.0367	0.0398
2022/07/19	13	28.9	0.0350	0.0479
2022/07/19	14	29.8	0.0355	0.0585
2022/07/19	15	29.9	0.0429	0.0691
2022/07/19	16	30.3	0.0505	0.0717
2022/07/19	17	30.2	0.0571	0.0663
2022/07/19	18	29.4	0.0574	0.0602
2022/07/19	19	26.9	0.0552	0.0519
2022/07/19	20	24.9	0.0476	0.0448
2022/07/19	21	24.4	0.0375	0.0350
2022/07/19	22	23.9	0.0274	0.0275
2022/07/19	23	22.8	0.0201	0.0234
2022/07/20	00	22.1	0.0171	0.0229
2022/07/20	01	21.6	0.0158	0.0251
2022/07/20	02	21.2	0.0161	0.0367
2022/07/20	03	21	0.0192	0.0450
2022/07/20	04	21.1	0.0284	0.0475
2022/07/20	05	21.2	0.0397	0.0437
2022/07/20	06	21.8	0.0484	0.0465
2022/07/20	07	22.4	0.0486	0.0542
2022/07/20	08	24.6	0.0462	0.0525
2022/07/20	09	25.4	0.0427	0.0434
2022/07/20	10	27.6	0.0427	0.0325
2022/07/20	11	28.7	0.0410	0.0351
2022/07/20	12	28.6	0.0398	0.0422
2022/07/20	13	29.2	0.0388	0.0476
2022/07/20	14	31.1	0.0408	0.0436
2022/07/20	15	29	0.0455	0.0380
2022/07/20	16	29.9	0.0496	0.0371
2022/07/20	17	27.9	0.0547	0.0425
2022/07/20	18	27.6	0.0566	0.0460
2022/07/20	19	26.2	0.0552	0.0465
2022/07/20	20	25	0.0470	0.0454
2022/07/20	21	24.4	0.0376	0.0513
2022/07/20	22	25	0.0280	0.0556
2022/07/20	23	24.7	0.0223	0.0555

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/21	00	25.6	0.0192	0.0492
2022/07/21	01	26.5	0.0184	0.0483
2022/07/21	02	24.1	0.0178	0.0498
2022/07/21	03	23.5	0.0206	0.0544
2022/07/21	04	23.3	0.0290	0.0539
2022/07/21	05	22.2	0.0419	0.0549
2022/07/21	06	22.5	0.0496	0.0584
2022/07/21	07	23	0.0501	0.0621
2022/07/21	08	23.7	0.0452	0.0599
2022/07/21	09	26.3	0.0424	0.0520
2022/07/21	10	26.9	0.0417	0.0452
2022/07/21	11	24.7	0.0409	0.0430
2022/07/21	12	27.5	0.0383	0.0449
2022/07/21	13	27.6	0.0358	0.0531
2022/07/21	14	27.1	0.0379	0.0607
2022/07/21	15	23	0.0447	0.0642
2022/07/21	16	25.8	0.0511	0.0595
2022/07/21	17	25.5	0.0541	0.0530
2022/07/21	18	25	0.0514	0.0466
2022/07/21	19	24.1	0.0467	0.0408
2022/07/21	20	22.9	0.0402	0.0355
2022/07/21	21	23.6	0.0362	0.0312
2022/07/21	22	22	0.0378	0.0284
2022/07/21	23	20.9	0.0387	0.0288
2022/07/22	00	20.1	0.0373	0.0301
2022/07/22	01	19.1	0.0345	0.0368
2022/07/22	02	18	0.0369	0.0455
2022/07/22	03	17.6	0.0408	0.0568
2022/07/22	04	17.1	0.0384	0.0612
2022/07/22	05	16.9	0.0318	0.0625
2022/07/22	06	18.3	0.0263	0.0602
2022/07/22	07	20.2	0.0305	0.0559
2022/07/22	08	22.2	0.0377	0.0511
2022/07/22	09	23.5	0.0422	0.0466
2022/07/22	10	24.9	0.0365	0.0449
2022/07/22	11	27	0.0289	0.0428
2022/07/22	12	28.6	0.0255	0.0451
2022/07/22	13	28.5	0.0300	0.0543
2022/07/22	14	28.9	0.0328	0.0627
2022/07/22	15	28.9	0.0324	0.0665
2022/07/22	16	28.1	0.0333	0.0604
2022/07/22	17	27.8	0.0412	0.0551
2022/07/22	18	24.9	0.0495	0.0479
2022/07/22	19	23.4	0.0444	0.0400
2022/07/22	20	22.2	0.0334	0.0313
2022/07/22	21	21	0.0234	0.0254
2022/07/22	22	20.7	0.0273	0.0239
2022/07/22	23	20.2	0.0341	0.0240

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/23	00	19.8	0.0382	0.0253
2022/07/23	01	19.2	0.0330	0.0281
2022/07/23	02	18.6	0.0253	0.0338
2022/07/23	03	19.2	0.0236	0.0430
2022/07/23	04	19	0.0301	0.0559
2022/07/23	05	18.9	0.0418	0.0629
2022/07/23	06	20.4	0.0526	0.0669
2022/07/23	07	22.1	0.0578	0.0646
2022/07/23	08	24.1	0.0575	0.0620
2022/07/23	09	25.8	0.0521	0.0567
2022/07/23	10	26.9	0.0464	0.0489
2022/07/23	11	28.2	0.0414	0.0469
2022/07/23	12	29	0.0386	0.0481
2022/07/23	13	29.9	0.0392	0.0576
2022/07/23	14	30.2	0.0426	0.0634
2022/07/23	15	29.7	0.0468	0.0651
2022/07/23	16	26.8	0.0491	0.0610
2022/07/23	17	25.7	0.0489	0.0553
2022/07/23	18	27	0.0483	0.0485
2022/07/23	19	26.3	0.0444	0.0417
2022/07/23	20	25.4	0.0374	0.0342
2022/07/23	21	24.9	0.0288	0.0312
2022/07/23	22	23.5	0.0227	0.0274
2022/07/23	23	22.3	0.0196	0.0266
2022/07/24	00	21.8	0.0177	0.0249
2022/07/24	01	21.9	0.0174	0.0271
2022/07/24	02	20.8	0.0180	0.0331
2022/07/24	03	20.3	0.0208	0.0393
2022/07/24	04	19.9	0.0265	0.0528
2022/07/24	05	19.8	0.0362	0.0584
2022/07/24	06	21.4	0.0463	0.0604
2022/07/24	07	22.5	0.0537	0.0488
2022/07/24	08	23.3	0.0581	0.0474
2022/07/24	09	25.3	0.0560	0.0526
2022/07/24	10	25.8	0.0522	0.0586
2022/07/24	11	26	0.0462	0.0536
2022/07/24	12	25.3	0.0438	0.0445
2022/07/24	13	24.3	0.0450	0.0416
2022/07/24	14	24.4	0.0493	0.0482
2022/07/24	15	20.3	0.0545	0.0528
2022/07/24	16	20.1	0.0576	0.0560
2022/07/24	17	23	0.0570	0.0538
2022/07/24	18	23.7	0.0530	0.0566
2022/07/24	19	23.4	0.0459	0.0565
2022/07/24	20	22.7	0.0364	0.0564
2022/07/24	21	22	0.0282	0.0530
2022/07/24	22	21.9	0.0220	0.0539
2022/07/24	23	21.8	0.0188	0.0536

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/25	00	21.6	0.0169	0.0523
2022/07/25	01	21.4	0.0167	0.0471
2022/07/25	02	21	0.0207	0.0497
2022/07/25	03	21.3	0.0297	0.0557
2022/07/25	04	20.9	0.0402	0.0627
2022/07/25	05	20.8	0.0476	0.0597
2022/07/25	06	20.9	0.0494	0.0566
2022/07/25	07	21.7	0.0479	0.0517
2022/07/25	08	22.2	0.0456	0.0513
2022/07/25	09	22.2	0.0428	0.0489
2022/07/25	10	23.7	0.0408	0.0465
2022/07/25	11	23.6	0.0386	0.0465
2022/07/25	12	23.9	0.0386	0.0495
2022/07/25	13	24.1	0.0415	0.0587
2022/07/25	14	22.9	0.0499	0.0651
2022/07/25	15	24.1	0.0570	0.0658
2022/07/25	16	23	0.0621	0.0629
2022/07/25	17	22.9	0.0608	0.0593
2022/07/25	18	22.6	0.0571	0.0531
2022/07/25	19	21.5	0.0498	0.0440
2022/07/25	20	19	0.0399	0.0333
2022/07/25	21	18.5	0.0318	0.0292
2022/07/25	22	17.5	0.0309	0.0281
2022/07/25	23	15.9	0.0351	0.0301
2022/07/26	00	15.6	0.0414	0.0341
2022/07/26	01	14.8	0.0368	0.0394
2022/07/26	02	14.2	0.0303	0.0501
2022/07/26	03	13.7	0.0244	0.0597
2022/07/26	04	13.3	0.0323	0.0652
2022/07/26	05	12.8	0.0423	0.0611
2022/07/26	06	14.7	0.0492	0.0529
2022/07/26	07	17.1	0.0426	0.0472
2022/07/26	08	19.4	0.0354	0.0451
2022/07/26	09	20.6	0.0350	0.0446
2022/07/26	10	22	0.0409	0.0447
2022/07/26	11	22.8	0.0407	0.0436
2022/07/26	12	23.8	0.0364	0.0464
2022/07/26	13	24.6	0.0358	0.0541
2022/07/26	14	24.9	0.0438	0.0613
2022/07/26	15	25.6	0.0486	0.0654
2022/07/26	16	23.5	0.0423	0.0610
2022/07/26	17	22.9	0.0320	0.0572
2022/07/26	18	23.4	0.0239	0.0512
2022/07/26	19	21.8	0.0297	0.0432
2022/07/26	20	19.9	0.0360	0.0363
2022/07/26	21	18.2	0.0404	0.0294
2022/07/26	22	17.7	0.0347	0.0285
2022/07/26	23	17.3	0.0304	0.0273

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/27	00	16.2	0.0324	0.0319
2022/07/27	01	15.7	0.0364	0.0365
2022/07/27	02	15.5	0.0387	0.0466
2022/07/27	03	14.8	0.0374	0.0575
2022/07/27	04	14.3	0.0424	0.0643
2022/07/27	05	13.7	0.0481	0.0630
2022/07/27	06	15.3	0.0520	0.0556
2022/07/27	07	18	0.0491	0.0507
2022/07/27	08	20	0.0467	0.0479
2022/07/27	09	22.9	0.0442	0.0439
2022/07/27	10	23.7	0.0433	0.0400
2022/07/27	11	24.9	0.0399	0.0414
2022/07/27	12	24.5	0.0379	0.0481
2022/07/27	13	26.2	0.0390	0.0620
2022/07/27	14	25.1	0.0447	0.0730
2022/07/27	15	25.8	0.0527	0.0827
2022/07/27	16	25.6	0.0563	0.0756
2022/07/27	17	25.5	0.0569	0.0638
2022/07/27	18	24.6	0.0540	0.0504
2022/07/27	19	22.9	0.0498	0.0438
2022/07/27	20	20.7	0.0423	0.0374
2022/07/27	21	21.4	0.0321	0.0304
2022/07/27	22	21.1	0.0243	0.0273
2022/07/27	23	19.9	0.0194	0.0295
2022/07/28	00	19.6	0.0177	0.0341
2022/07/28	01	18.9	0.0172	0.0370
2022/07/28	02	17.8	0.0194	0.0427
2022/07/28	03	17.6	0.0265	0.0504
2022/07/28	04	17.6	0.0383	0.0595
2022/07/28	05	16.9	0.0488	0.0595
2022/07/28	06	18.2	0.0528	0.0572
2022/07/28	07	18.9	0.0506	0.0520
2022/07/28	08	21.2	0.0473	0.0510
2022/07/28	09	23	0.0437	0.0503
2022/07/28	10	25	0.0414	0.0495
2022/07/28	11	26.1	0.0406	0.0467
2022/07/28	12	26	0.0410	0.0387
2022/07/28	13	26.2	0.0439	0.0443
2022/07/28	14	25.2	0.0475	0.0518
2022/07/28	15	24.6	0.0557	0.0611
2022/07/28	16	25	0.0609	0.0621
2022/07/28	17	24	0.0623	0.0629
2022/07/28	18	25.3	0.0590	0.0672
2022/07/28	19	23.5	0.0531	0.0667
2022/07/28	20	21.4	0.0444	0.0653
2022/07/28	21	20.7	0.0340	0.0617
2022/07/28	22	20.6	0.0253	0.0605
2022/07/28	23	19.8	0.0204	0.0569

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/29	00	18.9	0.0172	0.0540
2022/07/29	01	17.8	0.0174	0.0511
2022/07/29	02	17.5	0.0189	0.0515
2022/07/29	03	16.8	0.0271	0.0510
2022/07/29	04	15.7	0.0404	0.0461
2022/07/29	05	15.2	0.0537	0.0446
2022/07/29	06	16.3	0.0589	0.0449
2022/07/29	07	17.7	0.0579	0.0511
2022/07/29	08	19.5	0.0560	0.0485
2022/07/29	09	21.2	0.0540	0.0432
2022/07/29	10	22.5	0.0499	0.0382
2022/07/29	11	22.3	0.0461	0.0416
2022/07/29	12	22.3	0.0442	0.0516
2022/07/29	13	23.6	0.0468	0.0595
2022/07/29	14	23.8	0.0524	0.0636
2022/07/29	15	24.7	0.0585	0.0614
2022/07/29	16	25.1	0.0622	0.0592
2022/07/29	17	25.1	0.0589	0.0602
2022/07/29	18	24.3	0.0526	0.0603
2022/07/29	19	23.1	0.0439	0.0582
2022/07/29	20	21.5	0.0382	0.0488
2022/07/29	21	19.8	0.0319	0.0422
2022/07/29	22	18	0.0265	0.0334
2022/07/29	23	16.9	0.0224	0.0307
2022/07/30	00	16.5	0.0212	0.0306
2022/07/30	01	16.3	0.0269	0.0356
2022/07/30	02	15.6	0.0335	0.0396
2022/07/30	03	15.8	0.0387	0.0422
2022/07/30	04	14.6	0.0342	0.0465
2022/07/30	05	14.8	0.0292	0.0551
2022/07/30	06	16.7	0.0280	0.0657
2022/07/30	07	18.2	0.0333	0.0755
2022/07/30	08	19.2	0.0372	0.0766
2022/07/30	09	19.1	0.0365	0.0761
2022/07/30	10	19.9	0.0368	0.0706
2022/07/30	11	19.8	0.0449	0.0683
2022/07/30	12	21	0.0574	0.0606
2022/07/30	13	21.3	0.0568	0.0552
2022/07/30	14	22.7	0.0462	0.0512
2022/07/30	15	23.1	0.0325	0.0542
2022/07/30	16	24	0.0374	0.0613
2022/07/30	17	24.1	0.0461	0.0662
2022/07/30	18	24	0.0549	0.0630
2022/07/30	19	23.1	0.0482	0.0562
2022/07/30	20	21.5	0.0403	0.0499
2022/07/30	21	18.3	0.0373	0.0459
2022/07/30	22	16.3	0.0429	0.0397
2022/07/30	23	18.1	0.0452	0.0376

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/07/31	00	14.7	0.0453	0.0362
2022/07/31	01	16.6	0.0455	0.0361
2022/07/31	02	15.1	0.0529	0.0355
2022/07/31	03	14.4	0.0581	0.0365
2022/07/31	04	14.7	0.0584	0.0458
2022/07/31	05	14.3	0.0558	0.0548
2022/07/31	06	15.7	0.0538	0.0640
2022/07/31	07	18.7	0.0565	0.0670
2022/07/31	08	19.6	0.0567	0.0688
2022/07/31	09	21.7	0.0545	0.0684
2022/07/31	10	22.9	0.0487	0.0687
2022/07/31	11	23.9	0.0429	0.0616
2022/07/31	12	24.6	0.0417	0.0530
2022/07/31	13	25.4	0.0485	0.0453
2022/07/31	14	26.9	0.0572	0.0484
2022/07/31	15	27.2	0.0618	0.0598
2022/07/31	16	26.4	0.0582	0.0671
2022/07/31	17	25.4	0.0517	0.0656
2022/07/31	18	25.1	0.0442	0.0582
2022/07/31	19	23.8	0.0392	0.0498
2022/07/31	20	22.3	0.0337	0.0432
2022/07/31	21	20.9	0.0297	0.0381
2022/07/31	22	20.1	0.0248	0.0330
2022/07/31	23	19.4	0.0214	0.0303
2022/08/01	00	18.5	0.0192	0.0258
2022/08/01	01	17.9	0.0188	0.0265
2022/08/01	02	17.7	0.0217	0.0281
2022/08/01	03	17.2	0.0284	0.0329
2022/08/01	04	17	0.0376	0.0360
2022/08/01	05	17.1	0.0487	0.0426
2022/08/01	06	18.3	0.0576	0.0496
2022/08/01	07	19.7	0.0612	0.0597
2022/08/01	08	22.1	0.0589	0.0654
2022/08/01	09	24.1	0.0531	0.0699
2022/08/01	10	26.5	0.0487	0.0728
2022/08/01	11	27.9	0.0457	0.0727
2022/08/01	12	28.2	0.0462	0.0650
2022/08/01	13	28.5	0.0521	0.0575
2022/08/01	14	28.4	0.0580	0.0533
2022/08/01	15	27	0.0630	0.0608
2022/08/01	16	27.5	0.0608	0.0649
2022/08/01	17	27	0.0556	0.0650
2022/08/01	18	25.5	0.0467	0.0589
2022/08/01	19	24.6	0.0363	0.0526
2022/08/01	20	24.1	0.0280	0.0508
2022/08/01	21	23.8	0.0218	0.0505
2022/08/01	22	23.6	0.0185	0.0504
2022/08/01	23	22.7	0.0166	0.0504

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/02	00	22.6	0.0166	0.0460
2022/08/02	01	22.4	0.0199	0.0419
2022/08/02	02	21.8	0.0288	0.0378
2022/08/02	03	21.7	0.0401	0.0371
2022/08/02	04	21.2	0.0489	0.0330
2022/08/02	05	20.6	0.0506	0.0356
2022/08/02	06	20.9	0.0495	0.0420
2022/08/02	07	22	0.0466	0.0556
2022/08/02	08	23.7	0.0472	0.0539
2022/08/02	09	25.1	0.0459	0.0459
2022/08/02	10	20.4	0.0435	0.0358
2022/08/02	11	20.9	0.0401	0.0432
2022/08/02	12	21.9	0.0405	0.0551
2022/08/02	13	22.6	0.0458	0.0592
2022/08/02	14	24.5	0.0520	0.0551
2022/08/02	15	24.2	0.0550	0.0517
2022/08/02	16	23.6	0.0541	0.0539
2022/08/02	17	23.1	0.0509	0.0544
2022/08/02	18	22.6	0.0464	0.0496
2022/08/02	19	20.9	0.0393	0.0434
2022/08/02	20	18.6	0.0303	0.0429
2022/08/02	21	15.6	0.0233	0.0472
2022/08/02	22	14.8	0.0192	0.0503
2022/08/02	23	14.2	0.0189	0.0479
2022/08/03	00	14.6	0.0188	0.0410
2022/08/03	01	11.6	0.0228	0.0356
2022/08/03	02	10.5	0.0309	0.0339
2022/08/03	03	10	0.0420	0.0394
2022/08/03	04	10.2	0.0494	0.0524
2022/08/03	05	10.3	0.0499	0.0638
2022/08/03	06	12.9	0.0422	0.0705
2022/08/03	07	15.4	0.0410	0.0674
2022/08/03	08	17	0.0415	0.0582
2022/08/03	09	19	0.0482	0.0531
2022/08/03	10	20.8	0.0411	0.0485
2022/08/03	11	22.3	0.0325	0.0463
2022/08/03	12	23.9	0.0235	0.0413
2022/08/03	13	25.4	0.0302	0.0408
2022/08/03	14	26.3	0.0401	0.0469
2022/08/03	15	27.3	0.0470	0.0553
2022/08/03	16	25.6	0.0413	0.0631
2022/08/03	17	24.6	0.0378	0.0650
2022/08/03	18	23.6	0.0382	0.0626
2022/08/03	19	22.9	0.0425	0.0558
2022/08/03	20	22.4	0.0433	0.0475
2022/08/03	21	22.3	0.0427	0.0379
2022/08/03	22	21.8	0.0448	0.0333
2022/08/03	23	21.7	0.0449	0.0285

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/04	00	21.4	0.0470	0.0268
2022/08/04	01	21.2	0.0501	0.0251
2022/08/04	02	21.5	0.0556	0.0276
2022/08/04	03	20.6	0.0581	0.0321
2022/08/04	04	20.3	0.0537	0.0397
2022/08/04	05	20.4	0.0480	0.0529
2022/08/04	06	20.6	0.0466	0.0605
2022/08/04	07	21.4	0.0497	0.0612
2022/08/04	08	21.7	0.0516	0.0567
2022/08/04	09	21.9	0.0471	0.0536
2022/08/04	10	22	0.0433	0.0541
2022/08/04	11	22.2	0.0408	0.0498
2022/08/04	12	22.7	0.0426	0.0468
2022/08/04	13	24.7	0.0461	0.0438
2022/08/04	14	26	0.0501	0.0446
2022/08/04	15	27.3	0.0533	0.0530
2022/08/04	16	27.9	0.0532	0.0607
2022/08/04	17	27.6	0.0514	0.0661
2022/08/04	18	26.8	0.0463	0.0618
2022/08/04	19	25.4	0.0393	0.0525
2022/08/04	20	24.4	0.0310	0.0462
2022/08/04	21	23.7	0.0236	0.0391
2022/08/04	22	23.4	0.0187	0.0335
2022/08/04	23	23.6	0.0160	0.0272
2022/08/05	00	22.5	0.0161	0.0231
2022/08/05	01	21.9	0.0188	0.0232
2022/08/05	02	21.4	0.0271	0.0248
2022/08/05	03	21	0.0384	0.0313
2022/08/05	04	20	0.0502	0.0405
2022/08/05	05	19	0.0554	0.0508
2022/08/05	06	19	0.0550	0.0553
2022/08/05	07	20	0.0516	0.0585
2022/08/05	08	22.2	0.0480	0.0550
2022/08/05	09	23.5	0.0458	0.0531
2022/08/05	10	25	0.0423	0.0490
2022/08/05	11	25.3	0.0408	0.0482
2022/08/05	12	25.7	0.0407	0.0464
2022/08/05	13	27.4	0.0445	0.0457
2022/08/05	14	27.5	0.0475	0.0496
2022/08/05	15	27.8	0.0509	0.0567
2022/08/05	16	26.8	0.0504	0.0646
2022/08/05	17	28.1	0.0490	0.0648
2022/08/05	18	27.2	0.0436	0.0609
2022/08/05	19	25.9	0.0376	0.0531
2022/08/05	20	21.8	0.0295	0.0477
2022/08/05	21	22	0.0234	0.0440
2022/08/05	22	20.4	0.0188	0.0431
2022/08/05	23	18.8	0.0170	0.0420

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/06	00	17.7	0.0170	0.0391
2022/08/06	01	17.9	0.0185	0.0339
2022/08/06	02	17.3	0.0228	0.0373
2022/08/06	03	17.4	0.0333	0.0450
2022/08/06	04	16.3	0.0444	0.0506
2022/08/06	05	16.5	0.0541	0.0442
2022/08/06	06	17.4	0.0544	0.0367
2022/08/06	07	19.3	0.0530	0.0327
2022/08/06	08	21.9	0.0482	0.0386
2022/08/06	09	24.4	0.0451	0.0415
2022/08/06	10	26.5	0.0414	0.0434
2022/08/06	11	29	0.0397	0.0384
2022/08/06	12	29.8	0.0396	0.0358
2022/08/06	13	30.4	0.0429	0.0374
2022/08/06	14	31.6	0.0491	0.0396
2022/08/06	15	31.7	0.0538	0.0399
2022/08/06	16	31.6	0.0543	0.0350
2022/08/06	17	31.2	0.0501	0.0406
2022/08/06	18	29.4	0.0440	0.0519
2022/08/06	19	27.9	0.0366	0.0638
2022/08/06	20	26.6	0.0295	0.0585
2022/08/06	21	25.6	0.0234	0.0443
2022/08/06	22	24.9	0.0200	0.0306
2022/08/06	23	24.4	0.0181	0.0313
2022/08/07	00	24	0.0170	0.0412
2022/08/07	01	23.9	0.0171	0.0489
2022/08/07	02	23.4	0.0188	0.0464
2022/08/07	03	23.2	0.0245	0.0403
2022/08/07	04	22.6	0.0349	0.0413
2022/08/07	05	22	0.0456	0.0506
2022/08/07	06	22.8	0.0527	0.0603
2022/08/07	07	24.8	0.0523	0.0659
2022/08/07	08	26.2	0.0496	0.0631
2022/08/07	09	28.3	0.0472	0.0573
2022/08/07	10	29.6	0.0425	0.0507
2022/08/07	11	30.2	0.0350	0.0470
2022/08/07	12	30.4	0.0297	0.0441
2022/08/07	13	24.9	0.0337	0.0475
2022/08/07	14	29.3	0.0405	0.0553
2022/08/07	15	23.6	0.0444	0.0648
2022/08/07	16	25.3	0.0434	0.0656
2022/08/07	17	23.6	0.0434	0.0621
2022/08/07	18	23.1	0.0440	0.0531
2022/08/07	19	23.1	0.0470	0.0439
2022/08/07	20	22.8	0.0511	0.0349
2022/08/07	21	22.5	0.0546	0.0293
2022/08/07	22	21.7	0.0521	0.0263
2022/08/07	23	21.5	0.0485	0.0243

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/08	00	20.9	0.0462	0.0233
2022/08/08	01	20.5	0.0477	0.0252
2022/08/08	02	20.2	0.0461	0.0299
2022/08/08	03	19.2	0.0419	0.0387
2022/08/08	04	16.2	0.0387	0.0504
2022/08/08	05	16	0.0376	0.0595
2022/08/08	06	15.7	0.0389	0.0636
2022/08/08	07	15.8	0.0363	0.0612
2022/08/08	08	15.7	0.0326	0.0547
2022/08/08	09	15.3	0.0277	0.0513
2022/08/08	10	15.2	0.0294	0.0494
2022/08/08	11	15.5	0.0350	0.0475
2022/08/08	12	15.8	0.0431	0.0421
2022/08/08	13	16.3	0.0404	0.0396
2022/08/08	14	16.4	0.0340	0.0493
2022/08/08	15	16.6	0.0277	0.0596
2022/08/08	16	16.3	0.0358	0.0693
2022/08/08	17	16.6	0.0471	0.0658
2022/08/08	18	16.4	0.0546	0.0589
2022/08/08	19	15.7	0.0520	0.0486
2022/08/08	20	15.3	0.0464	0.0400
2022/08/08	21	15	0.0390	0.0377
2022/08/08	22	15.2	0.0312	0.0370
2022/08/08	23	15.4	0.0242	0.0374
2022/08/09	00	15.3	0.0206	0.0348
2022/08/09	01	14.7	0.0191	0.0331
2022/08/09	02	14.5	0.0190	0.0370
2022/08/09	03	14.3	0.0222	0.0487
2022/08/09	04	14.3	0.0319	0.0598
2022/08/09	05	14.8	0.0433	0.0668
2022/08/09	06	15.1	0.0524	0.0635
2022/08/09	07	15.5	0.0545	0.0599
2022/08/09	08	16	0.0529	0.0553
2022/08/09	09	16.9	0.0490	0.0514
2022/08/09	10	16.3	0.0450	0.0468
2022/08/09	11	17.4	0.0414	0.0469
2022/08/09	12	17.3	0.0384	0.0486
2022/08/09	13	18.3	0.0369	0.0517
2022/08/09	14	18.9	0.0388	0.0562
2022/08/09	15	19.6	0.0465	0.0624
2022/08/09	16	18.3	0.0553	0.0663
2022/08/09	17	19.2	0.0614	0.0636
2022/08/09	18	18.1	0.0605	0.0592
2022/08/09	19	17.3	0.0580	0.0517
2022/08/09	20	17.1	0.0508	0.0442
2022/08/09	21	16.7	0.0416	0.0364
2022/08/09	22	16.6	0.0301	0.0322
2022/08/09	23	16.6	0.0231	0.0345

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/10	00	16.4	0.0198	0.0402
2022/08/10	01	16.4	0.0194	0.0519
2022/08/10	02	16.4	0.0197	0.0513
2022/08/10	03	16.4	0.0236	0.0474
2022/08/10	04	16.4	0.0347	0.0385
2022/08/10	05	16.5	0.0485	0.0432
2022/08/10	06	16.5	0.0552	0.0485
2022/08/10	07	18.3	0.0579	0.0482
2022/08/10	08	19.3	0.0570	0.0457
2022/08/10	09	20.5	0.0581	0.0501
2022/08/10	10	20.3	0.0537	0.0593
2022/08/10	11	22.4	0.0482	0.0574
2022/08/10	12	22.7	0.0411	0.0456
2022/08/10	13	24.2	0.0365	0.0336
2022/08/10	14	23.6	0.0369	0.0367
2022/08/10	15	24.4	0.0434	0.0437
2022/08/10	16	24.9	0.0511	0.0507
2022/08/10	17	24.8	0.0560	0.0446
2022/08/10	18	23.8	0.0564	0.0389
2022/08/10	19	21.1	0.0530	0.0365
2022/08/10	20	20	0.0463	0.0409
2022/08/10	21	19.2	0.0381	0.0429
2022/08/10	22	18.8	0.0298	0.0418
2022/08/10	23	18.1	0.0232	0.0414
2022/08/11	00	17.3	0.0189	0.0470
2022/08/11	01	16.9	0.0180	0.0525
2022/08/11	02	15.9	0.0170	0.0531
2022/08/11	03	15.8	0.0208	0.0456
2022/08/11	04	15.3	0.0295	0.0437
2022/08/11	05	15.6	0.0431	0.0497
2022/08/11	06	16.3	0.0528	0.0596
2022/08/11	07	18.5	0.0556	0.0581
2022/08/11	08	20.8	0.0517	0.0529
2022/08/11	09	22.1	0.0468	0.0475
2022/08/11	10	23.1	0.0421	0.0463
2022/08/11	11	24.1	0.0400	0.0450
2022/08/11	12	24.6	0.0373	0.0456
2022/08/11	13	23.3	0.0364	0.0500
2022/08/11	14	24.8	0.0380	0.0579
2022/08/11	15	24.5	0.0435	0.0661
2022/08/11	16	24.2	0.0484	0.0672
2022/08/11	17	23.8	0.0510	0.0637
2022/08/11	18	22.7	0.0502	0.0539
2022/08/11	19	21.3	0.0498	0.0487
2022/08/11	20	19.8	0.0488	0.0400
2022/08/11	21	19.1	0.0495	0.0372
2022/08/11	22	18.5	0.0480	0.0347
2022/08/11	23	17.6	0.0452	0.0349

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/12	00	16.4	0.0432	0.0338
2022/08/12	01	14.3	0.0422	0.0328
2022/08/12	02	14.4	0.0419	0.0391
2022/08/12	03	11.4	0.0390	0.0508
2022/08/12	04	11.6	0.0367	0.0642
2022/08/12	05	10.8	0.0377	0.0710
2022/08/12	06	12.3	0.0409	0.0667
2022/08/12	07	15.5	0.0384	0.0602
2022/08/12	08	16.3	0.0324	0.0519
2022/08/12	09	17.4	0.0262	0.0507
2022/08/12	10	18.4	0.0309	0.0475
2022/08/12	11	19.6	0.0383	0.0443
2022/08/12	12	20.9	0.0452	0.0426
2022/08/12	13	21.2	0.0392	0.0437
2022/08/12	14	22	0.0322	0.0504
2022/08/12	15	21.6	0.0285	0.0591
2022/08/12	16	21	0.0364	0.0683
2022/08/12	17	22.1	0.0411	0.0690
2022/08/12	18	21.9	0.0401	0.0613
2022/08/12	19	16.7	0.0394	0.0522
2022/08/12	20	15.5	0.0441	0.0470
2022/08/12	21	14.8	0.0511	0.0448
2022/08/12	22	13.3	0.0461	0.0402
2022/08/12	23	12.9	0.0355	0.0348
2022/08/13	00	12.9	0.0241	0.0337
2022/08/13	01	12.5	0.0209	0.0356
2022/08/13	02	11.7	0.0202	0.0409
2022/08/13	03	12.4	0.0231	0.0465
2022/08/13	04	10.5	0.0290	0.0547
2022/08/13	05	9.7	0.0412	0.0673
2022/08/13	06	11.2	0.0527	0.0767
2022/08/13	07	14.7	0.0616	0.0784
2022/08/13	08	17.1	0.0624	0.0695
2022/08/13	09	19.8	0.0593	0.0596
2022/08/13	10	21.3	0.0543	0.0528
2022/08/13	11	23.8	0.0484	0.0489
2022/08/13	12	23.7	0.0431	0.0462
2022/08/13	13	22.9	0.0390	0.0501
2022/08/13	14	24.1	0.0395	0.0634
2022/08/13	15	24	0.0445	0.0711
2022/08/13	16	24.1	0.0486	0.0713
2022/08/13	17	24.3	0.0514	0.0671
2022/08/13	18	23.1	0.0504	0.0618
2022/08/13	19	21.8	0.0473	0.0571
2022/08/13	20	19.9	0.0421	0.0463
2022/08/13	21	15.4	0.0361	0.0410
2022/08/13	22	18.2	0.0299	0.0370
2022/08/13	23	16.7	0.0244	0.0396

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/14	00	16.4	0.0206	0.0401
2022/08/14	01	14.8	0.0190	0.0425
2022/08/14	02	14.3	0.0190	0.0440
2022/08/14	03	12.5	0.0192	0.0452
2022/08/14	04	12.3	0.0223	0.0437
2022/08/14	05	10.6	0.0301	0.0421
2022/08/14	06	12.9	0.0415	0.0463
2022/08/14	07	15.7	0.0526	0.0568
2022/08/14	08	18.5	0.0591	0.0560
2022/08/14	09	21.6	0.0596	0.0501
2022/08/14	10	23.6	0.0571	0.0414
2022/08/14	11	24.6	0.0506	0.0488
2022/08/14	12	24.6	0.0451	0.0598
2022/08/14	13	25.7	0.0412	0.0670
2022/08/14	14	25.8	0.0417	0.0650
2022/08/14	15	26.2	0.0463	0.0553
2022/08/14	16	25.5	0.0522	0.0510
2022/08/14	17	25.4	0.0569	0.0518
2022/08/14	18	23.7	0.0569	0.0566
2022/08/14	19	21.4	0.0534	0.0600
2022/08/14	20	18.9	0.0468	0.0604
2022/08/14	21	16.4	0.0380	0.0633
2022/08/14	22	17.2	0.0294	0.0642
2022/08/14	23	16.7	0.0224	0.0622
2022/08/15	00	16.9	0.0187	0.0604
2022/08/15	01	16	0.0178	0.0557
2022/08/15	02	14.4	0.0175	0.0586
2022/08/15	03	12.6	0.0213	0.0552
2022/08/15	04	11.6	0.0306	0.0539
2022/08/15	05	12.9	0.0441	0.0533
2022/08/15	06	14.4	0.0541	0.0579
2022/08/15	07	18	0.0566	0.0600
2022/08/15	08	20.2	0.0532	0.0552
2022/08/15	09	22.2	0.0487	0.0514
2022/08/15	10	23.9	0.0452	0.0476
2022/08/15	11	25.2	0.0409	0.0474
2022/08/15	12	26.6	0.0381	0.0469
2022/08/15	13	26.9	0.0355	0.0562
2022/08/15	14	26.2	0.0392	0.0638
2022/08/15	15	25.7	0.0468	0.0664
2022/08/15	16	26.2	0.0548	0.0633
2022/08/15	17	25.5	0.0575	0.0549
2022/08/15	18	24.5	0.0550	0.0486
2022/08/15	19	22.3	0.0489	0.0384
2022/08/15	20	22.1	0.0436	0.0320
2022/08/15	21	21.4	0.0379	0.0285
2022/08/15	22	21.4	0.0375	0.0262
2022/08/15	23	20.5	0.0366	0.0287

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/16	00	19.1	0.0354	0.0317
2022/08/16	01	19.2	0.0336	0.0385
2022/08/16	02	18.1	0.0358	0.0491
2022/08/16	03	17.5	0.0417	0.0576
2022/08/16	04	16.3	0.0389	0.0616
2022/08/16	05	16.9	0.0322	0.0579
2022/08/16	06	17.6	0.0242	0.0538
2022/08/16	07	19.1	0.0311	0.0509
2022/08/16	08	21	0.0407	0.0478
2022/08/16	09	22.2	0.0478	0.0446
2022/08/16	10	24.3	0.0408	0.0412
2022/08/16	11	26	0.0303	0.0384
2022/08/16	12	26.7	0.0253	0.0434
2022/08/16	13	26.7	0.0293	0.0521
2022/08/16	14	25.9	0.0348	0.0607
2022/08/16	15	26.5	0.0336	0.0589
2022/08/16	16	26.6	0.0349	0.0557
2022/08/16	17	26.1	0.0389	0.0541
2022/08/16	18	25.4	0.0461	0.0548
2022/08/16	19	23.3	0.0408	0.0533
2022/08/16	20	22.1	0.0317	0.0476
2022/08/16	21	20.7	0.0229	0.0393
2022/08/16	22	19	0.0266	0.0315
2022/08/16	23	18.1	0.0319	0.0258
2022/08/17	00	18.8	0.0368	0.0262
2022/08/17	01	17.5	0.0337	0.0281
2022/08/17	02	17.6	0.0309	0.0328
2022/08/17	03	17.3	0.0342	0.0354
2022/08/17	04	18.4	0.0439	0.0454
2022/08/17	05	17.7	0.0529	0.0539
2022/08/17	06	18	0.0521	0.0631
2022/08/17	07	18.8	0.0475	0.0641
2022/08/17	08	20.9	0.0430	0.0709
2022/08/17	09	22.4	0.0425	0.0658
2022/08/17	10	23.7	0.0391	0.0317
2022/08/17	11	25.2	0.0364	0.0192
2022/08/17	12	25.6	0.0331	0.0254
2022/08/17	13	26.6	0.0355	0.0480
2022/08/17	14	26.9	0.0417	0.0542
2022/08/17	15	26.9	0.0485	0.0710
2022/08/17	16	23.3	0.0536	0.0508
2022/08/17	17	20.6	0.0543	0.0489
2022/08/17	18	20.9	0.0518	0.0249
2022/08/17	19	20.4	0.0452	0.0441
2022/08/17	20	19.6	0.0360	0.0720
2022/08/17	21	19	0.0270	0.0815
2022/08/17	22	18.4	0.0208	0.0672
2022/08/17	23	17.9	0.0178	0.0360

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/18	00	17.2	0.0168	0.0336
2022/08/18	01	16.9	0.0172	0.0240
2022/08/18	02	16.8	0.0211	0.0240
2022/08/18	03	16.5	0.0304	0.0254
2022/08/18	04	16.4	0.0425	0.0288
2022/08/18	05	17	0.0518	0.0360
2022/08/18	06	17.4	0.0526	0.0321
2022/08/18	07	18.4	0.0482	0.0564
2022/08/18	08	18.9	0.0427	0.0526
2022/08/18	09	19.9	0.0407	0.0537
2022/08/18	10	22.4	0.0382	0.0392
2022/08/18	11	23.2	0.0358	0.0509
2022/08/18	12	25	0.0335	0.0504
2022/08/18	13	24.4	0.0359	0.0409
2022/08/18	14	26.1	0.0408	0.0241
2022/08/18	15	26.5	0.0471	0.0369
2022/08/18	16	26	0.0514	0.0381
2022/08/18	17	25.5	0.0544	0.0694
2022/08/18	18	24.1	0.0529	0.0554
2022/08/18	19	22.5	0.0461	0.0504
2022/08/18	20	21	0.0369	0.0235
2022/08/18	21	18.9	0.0280	0.0185
2022/08/18	22	18.1	0.0239	0.0213
2022/08/18	23	17.3	0.0196	0.0168
2022/08/19	00	16.2	0.0186	0.0168
2022/08/19	01	15.3	0.0176	0.0168
2022/08/19	02	14.9	0.0202	0.0168
2022/08/19	03	14.2	0.0282	0.0252
2022/08/19	04	15.6	0.0396	0.0196
2022/08/19	05	15.4	0.0483	0.0210
2022/08/19	06	15.9	0.0493	#N/A
2022/08/19	07	18.9	0.0486	#N/A
2022/08/19	08	21.5	0.0466	#N/A
2022/08/19	09	23.1	0.0463	#N/A
2022/08/19	10	25.3	0.0433	#N/A
2022/08/19	11	27.1	0.0403	#N/A
2022/08/19	12	27.9	0.0394	#N/A
2022/08/19	13	27.6	0.0386	#N/A
2022/08/19	14	28.7	0.0428	#N/A
2022/08/19	15	29.3	0.0475	#N/A
2022/08/19	16	29.2	0.0511	#N/A
2022/08/19	17	28.5	0.0511	#N/A
2022/08/19	18	27.2	0.0477	#N/A
2022/08/19	19	24.7	0.0426	#N/A
2022/08/19	20	23.7	0.0354	#N/A
2022/08/19	21	21.9	0.0282	#N/A
2022/08/19	22	20.9	0.0275	#N/A
2022/08/19	23	19.4	0.0332	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/20	00	19.3	0.0384	#N/A
2022/08/20	01	18.8	0.0371	#N/A
2022/08/20	02	18.5	0.0302	#N/A
2022/08/20	03	18	0.0248	#N/A
2022/08/20	04	17.4	0.0283	#N/A
2022/08/20	05	17.3	0.0352	#N/A
2022/08/20	06	18	0.0406	#N/A
2022/08/20	07	20.2	0.0364	#N/A
2022/08/20	08	22.7	0.0302	#N/A
2022/08/20	09	25.1	0.0262	#N/A
2022/08/20	10	26.8	0.0282	#N/A
2022/08/20	11	27.9	0.0300	#N/A
2022/08/20	12	27.6	0.0292	#N/A
2022/08/20	13	28.7	0.0304	#N/A
2022/08/20	14	29.4	0.0381	#N/A
2022/08/20	15	29.8	0.0478	#N/A
2022/08/20	16	29.5	0.0463	#N/A
2022/08/20	17	28.9	0.0371	#N/A
2022/08/20	18	26.1	0.0267	#N/A
2022/08/20	19	24.1	0.0316	#N/A
2022/08/20	20	22.5	0.0385	#N/A
2022/08/20	21	22.1	0.0429	#N/A
2022/08/20	22	22.2	0.0341	#N/A
2022/08/20	23	19.9	0.0256	#N/A
2022/08/21	00	20.7	0.0217	#N/A
2022/08/21	01	20.3	0.0276	#N/A
2022/08/21	02	18.4	0.0320	#N/A
2022/08/21	03	19.2	0.0350	#N/A
2022/08/21	04	19.3	0.0355	#N/A
2022/08/21	05	19.4	0.0406	#N/A
2022/08/21	06	19.5	0.0477	#N/A
2022/08/21	07	20.1	0.0530	#N/A
2022/08/21	08	22.2	0.0550	#N/A
2022/08/21	09	24.6	0.0531	#N/A
2022/08/21	10	25.5	0.0504	#N/A
2022/08/21	11	24.8	0.0465	#N/A
2022/08/21	12	23.9	0.0442	#N/A
2022/08/21	13	22.2	0.0444	#N/A
2022/08/21	14	21.9	0.0489	#N/A
2022/08/21	15	22.7	0.0553	#N/A
2022/08/21	16	22.7	0.0584	#N/A
2022/08/21	17	23.1	0.0570	#N/A
2022/08/21	18	22.4	0.0509	#N/A
2022/08/21	19	21.6	0.0442	#N/A
2022/08/21	20	19.8	0.0354	#N/A
2022/08/21	21	20.4	0.0278	#N/A
2022/08/21	22	19.7	0.0215	#N/A
2022/08/21	23	18.6	0.0186	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/22	00	19.5	0.0172	#N/A
2022/08/22	01	18.6	0.0173	#N/A
2022/08/22	02	18.8	0.0193	#N/A
2022/08/22	03	18.5	0.0267	#N/A
2022/08/22	04	18.5	0.0373	#N/A
2022/08/22	05	18	0.0451	#N/A
2022/08/22	06	18.8	0.0469	#N/A
2022/08/22	07	19.3	0.0457	#N/A
2022/08/22	08	20.5	0.0450	#N/A
2022/08/22	09	23	0.0461	#N/A
2022/08/22	10	23	0.0445	#N/A
2022/08/22	11	23.8	0.0408	#N/A
2022/08/22	12	24.6	0.0368	#N/A
2022/08/22	13	24.5	0.0368	#N/A
2022/08/22	14	24.4	0.0421	#N/A
2022/08/22	15	21.1	0.0494	#N/A
2022/08/22	16	20.7	0.0546	#N/A
2022/08/22	17	20.7	0.0551	#N/A
2022/08/22	18	20.7	0.0509	#N/A
2022/08/22	19	20.4	0.0442	#N/A
2022/08/22	20	20.3	0.0361	#N/A
2022/08/22	21	19.9	0.0279	#N/A
2022/08/22	22	19.8	0.0215	#N/A
2022/08/22	23	19.7	0.0180	#N/A
2022/08/23	00	19.6	0.0170	#N/A
2022/08/23	01	19.4	0.0169	#N/A
2022/08/23	02	19	0.0199	#N/A
2022/08/23	03	18.7	0.0279	#N/A
2022/08/23	04	18.6	0.0390	#N/A
2022/08/23	05	18.5	0.0460	#N/A
2022/08/23	06	18.6	0.0473	#N/A
2022/08/23	07	18.9	0.0439	#N/A
2022/08/23	08	19.5	0.0423	#N/A
2022/08/23	09	20.2	0.0417	#N/A
2022/08/23	10	20.9	0.0402	#N/A
2022/08/23	11	22.2	0.0368	#N/A
2022/08/23	12	20.5	0.0354	#N/A
2022/08/23	13	21.1	0.0378	#N/A
2022/08/23	14	21.9	0.0449	#N/A
2022/08/23	15	21	0.0515	#N/A
2022/08/23	16	21.9	0.0569	#N/A
2022/08/23	17	22.5	0.0577	#N/A
2022/08/23	18	22.2	0.0535	#N/A
2022/08/23	19	21.8	0.0450	#N/A
2022/08/23	20	21.2	0.0356	#N/A
2022/08/23	21	21.1	0.0274	#N/A
2022/08/23	22	20.4	0.0217	#N/A
2022/08/23	23	20.3	0.0182	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/24	00	19.4	0.0174	#N/A
2022/08/24	01	18.8	0.0226	#N/A
2022/08/24	02	17.1	0.0311	#N/A
2022/08/24	03	16.4	0.0358	#N/A
2022/08/24	04	16.2	0.0340	#N/A
2022/08/24	05	16.2	0.0302	#N/A
2022/08/24	06	17.1	0.0328	#N/A
2022/08/24	07	18.5	0.0336	#N/A
2022/08/24	08	19.3	0.0320	#N/A
2022/08/24	09	22.3	0.0266	#N/A
2022/08/24	10	23.7	0.0293	#N/A
2022/08/24	11	25.1	0.0357	#N/A
2022/08/24	12	26.4	0.0405	#N/A
2022/08/24	13	27.7	0.0352	#N/A
2022/08/24	14	28.4	0.0271	#N/A
2022/08/24	15	28.2	0.0211	#N/A
2022/08/24	16	28	0.0268	#N/A
2022/08/24	17	26.5	0.0338	#N/A
2022/08/24	18	25.3	0.0404	#N/A
2022/08/24	19	24.4	0.0383	#N/A
2022/08/24	20	21.9	0.0400	#N/A
2022/08/24	21	21.6	0.0422	#N/A
2022/08/24	22	21	0.0436	#N/A
2022/08/24	23	20.8	0.0387	#N/A
2022/08/25	00	19.9	0.0354	#N/A
2022/08/25	01	18.9	0.0377	#N/A
2022/08/25	02	18.5	0.0425	#N/A
2022/08/25	03	18	0.0455	#N/A
2022/08/25	04	17.5	0.0458	#N/A
2022/08/25	05	17	0.0469	#N/A
2022/08/25	06	16.5	0.0499	#N/A
2022/08/25	07	17.6	0.0508	#N/A
2022/08/25	08	19	0.0488	#N/A
2022/08/25	09	20.5	0.0425	#N/A
2022/08/25	10	21.5	0.0390	#N/A
2022/08/25	11	22.2	0.0378	#N/A
2022/08/25	12	22.3	0.0396	#N/A
2022/08/25	13	23.6	0.0459	#N/A
2022/08/25	14	22.8	0.0521	#N/A
2022/08/25	15	22.6	0.0567	#N/A
2022/08/25	16	21.7	0.0544	#N/A
2022/08/25	17	21.2	0.0487	#N/A
2022/08/25	18	20.2	0.0415	#N/A
2022/08/25	19	19.5	0.0354	#N/A
2022/08/25	20	19.5	0.0291	#N/A
2022/08/25	21	18.9	0.0241	#N/A
2022/08/25	22	17.9	0.0203	#N/A
2022/08/25	23	17.8	0.0191	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/26	00	17.3	0.0195	#N/A
2022/08/26	01	17.4	0.0216	#N/A
2022/08/26	02	16.4	0.0294	#N/A
2022/08/26	03	16.3	0.0405	#N/A
2022/08/26	04	16	0.0501	#N/A
2022/08/26	05	16.1	0.0530	#N/A
2022/08/26	06	15.5	0.0558	#N/A
2022/08/26	07	15.2	0.0556	#N/A
2022/08/26	08	15.6	0.0555	#N/A
2022/08/26	09	16.4	0.0498	#N/A
2022/08/26	10	16.4	0.0457	#N/A
2022/08/26	11	16.6	0.0419	#N/A
2022/08/26	12	17	0.0399	#N/A
2022/08/26	13	18.1	0.0451	#N/A
2022/08/26	14	20	0.0498	#N/A
2022/08/26	15	20	0.0540	#N/A
2022/08/26	16	19.7	0.0535	#N/A
2022/08/26	17	19.1	0.0534	#N/A
2022/08/26	18	18.9	0.0532	#N/A
2022/08/26	19	18.2	0.0495	#N/A
2022/08/26	20	17.3	0.0444	#N/A
2022/08/26	21	16.5	0.0372	#N/A
2022/08/26	22	17	0.0309	#N/A
2022/08/26	23	17.1	0.0262	#N/A
2022/08/27	00	16.4	0.0239	#N/A
2022/08/27	01	15.1	0.0233	#N/A
2022/08/27	02	15.3	0.0233	#N/A
2022/08/27	03	15.3	0.0236	#N/A
2022/08/27	04	15	0.0285	#N/A
2022/08/27	05	14.7	0.0372	#N/A
2022/08/27	06	14.5	0.0460	#N/A
2022/08/27	07	14.7	0.0890	#N/A
2022/08/27	08	15.4	0.2152	#N/A
2022/08/27	09	16.1	0.0252	#N/A
2022/08/27	10	17.5	0.0228	#N/A
2022/08/27	11	18.7	0.0189	#N/A
2022/08/27	12	19.4	#N/A	#N/A
2022/08/27	13	21.1	#N/A	#N/A
2022/08/27	14	21.4	#N/A	#N/A
2022/08/27	15	21.9	#N/A	#N/A
2022/08/27	16	22.1	#N/A	#N/A
2022/08/27	17	21.8	#N/A	#N/A
2022/08/27	18	19.8	#N/A	#N/A
2022/08/27	19	18.6	#N/A	#N/A
2022/08/27	20	17.3	#N/A	#N/A
2022/08/27	21	14.3	#N/A	#N/A
2022/08/27	22	12.6	#N/A	#N/A
2022/08/27	23	11.7	#N/A	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/28	00	11.9	#N/A	#N/A
2022/08/28	01	13	#N/A	#N/A
2022/08/28	02	13.4	#N/A	#N/A
2022/08/28	03	12.3	#N/A	#N/A
2022/08/28	04	11.6	#N/A	#N/A
2022/08/28	05	11.3	#N/A	#N/A
2022/08/28	06	11.9	#N/A	#N/A
2022/08/28	07	14.1	#N/A	#N/A
2022/08/28	08	16.8	#N/A	#N/A
2022/08/28	09	19	#N/A	#N/A
2022/08/28	10	21.4	#N/A	#N/A
2022/08/28	11	22.5	#N/A	#N/A
2022/08/28	12	24.1	#N/A	#N/A
2022/08/28	13	24.9	#N/A	#N/A
2022/08/28	14	25.1	#N/A	#N/A
2022/08/28	15	25.8	#N/A	#N/A
2022/08/28	16	26	#N/A	#N/A
2022/08/28	17	25.8	#N/A	#N/A
2022/08/28	18	23.8	#N/A	#N/A
2022/08/28	19	19.8	#N/A	#N/A
2022/08/28	20	19.5	#N/A	#N/A
2022/08/28	21	18.7	#N/A	#N/A
2022/08/28	22	19.3	#N/A	#N/A
2022/08/28	23	19.5	#N/A	#N/A
2022/08/29	00	18.9	#N/A	#N/A
2022/08/29	01	19.6	#N/A	#N/A
2022/08/29	02	19.3	#N/A	#N/A
2022/08/29	03	17.7	#N/A	#N/A
2022/08/29	04	17.5	#N/A	#N/A
2022/08/29	05	17.7	#N/A	#N/A
2022/08/29	06	17.6	#N/A	#N/A
2022/08/29	07	19.7	#N/A	#N/A
2022/08/29	08	23.1	#N/A	#N/A
2022/08/29	09	23.8	#N/A	#N/A
2022/08/29	10	25.9	#N/A	#N/A
2022/08/29	11	28.5	#N/A	#N/A
2022/08/29	12	28.8	#N/A	#N/A
2022/08/29	13	30.4	#N/A	#N/A
2022/08/29	14	28.1	#N/A	#N/A
2022/08/29	15	30.6	#N/A	#N/A
2022/08/29	16	30.5	#N/A	#N/A
2022/08/29	17	28.3	#N/A	#N/A
2022/08/29	18	22.7	#N/A	#N/A
2022/08/29	19	23.1	#N/A	#N/A
2022/08/29	20	22.9	#N/A	#N/A
2022/08/29	21	22.7	#N/A	#N/A
2022/08/29	22	22.4	#N/A	#N/A
2022/08/29	23	22.5	#N/A	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/08/30	00	22.2	#N/A	#N/A
2022/08/30	01	22	#N/A	#N/A
2022/08/30	02	21.3	#N/A	#N/A
2022/08/30	03	21.5	#N/A	#N/A
2022/08/30	04	21.8	#N/A	#N/A
2022/08/30	05	21.6	#N/A	#N/A
2022/08/30	06	21.5	#N/A	#N/A
2022/08/30	07	22	#N/A	#N/A
2022/08/30	08	22.9	#N/A	#N/A
2022/08/30	09	24.2	#N/A	#N/A
2022/08/30	10	24.9	#N/A	#N/A
2022/08/30	11	25.3	#N/A	#N/A
2022/08/30	12	24.9	#N/A	#N/A
2022/08/30	13	23.9	#N/A	#N/A
2022/08/30	14	22.9	#N/A	#N/A
2022/08/30	15	20.4	#N/A	#N/A
2022/08/30	16	19.5	#N/A	#N/A
2022/08/30	17	19.1	#N/A	#N/A
2022/08/30	18	19.1	#N/A	#N/A
2022/08/30	19	18.7	#N/A	#N/A
2022/08/30	20	19	#N/A	#N/A
2022/08/30	21	19.1	#N/A	#N/A
2022/08/30	22	19	#N/A	#N/A
2022/08/30	23	18.9	#N/A	#N/A
2022/08/31	00	18.8	#N/A	#N/A
2022/08/31	01	18.5	#N/A	#N/A
2022/08/31	02	17.7	#N/A	#N/A
2022/08/31	03	16.9	#N/A	#N/A
2022/08/31	04	16.4	#N/A	#N/A
2022/08/31	05	15.4	#N/A	#N/A
2022/08/31	06	14.7	#N/A	#N/A
2022/08/31	07	15.8	#N/A	#N/A
2022/08/31	08	16.7	#N/A	#N/A
2022/08/31	09	18.4	#N/A	#N/A
2022/08/31	10	19.8	#N/A	#N/A
2022/08/31	11	20.6	0.0397	0.0460
2022/08/31	12	21.4	0.0391	0.0467
2022/08/31	13	20.4	0.0396	0.0456
2022/08/31	14	19.9	0.0414	0.0486
2022/08/31	15	20.7	0.0471	0.0540
2022/08/31	16	21.3	0.0518	0.0602
2022/08/31	17	16.6	0.0567	0.0653
2022/08/31	18	16.1	0.0577	0.0637
2022/08/31	19	15.9	0.0544	0.0582
2022/08/31	20	15.3	0.0467	0.0525
2022/08/31	21	14.4	0.0366	0.0426
2022/08/31	22	13.7	0.0278	0.0369
2022/08/31	23	15.3	0.0234	0.0288

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/01	00	13.1	0.0212	0.0293
2022/09/01	01	13.1	0.0215	0.0300
2022/09/01	02	13.1	0.0212	0.0323
2022/09/01	03	12.3	0.0264	0.0389
2022/09/01	04	11.5	0.0384	0.0538
2022/09/01	05	10.9	0.0571	0.0687
2022/09/01	06	11	0.0696	0.0772
2022/09/01	07	10.4	0.0729	0.0732
2022/09/01	08	11.8	0.0654	0.0656
2022/09/01	09	12.7	0.0574	0.0574
2022/09/01	10	13.3	0.0531	0.0528
2022/09/01	11	15.1	#N/A	#N/A
2022/09/01	12	16.4	#N/A	#N/A
2022/09/01	13	15.8	#N/A	#N/A
2022/09/01	14	16.1	#N/A	#N/A
2022/09/01	15	16.4	#N/A	#N/A
2022/09/01	16	17.5	#N/A	#N/A
2022/09/01	17	17.5	#N/A	#N/A
2022/09/01	18	16.1	#N/A	#N/A
2022/09/01	19	14.3	#N/A	#N/A
2022/09/01	20	12.9	#N/A	#N/A
2022/09/01	21	12.6	#N/A	#N/A
2022/09/01	22	10.9	#N/A	#N/A
2022/09/01	23	11.7	#N/A	#N/A
2022/09/02	00	10.1	#N/A	#N/A
2022/09/02	01	9.7	#N/A	#N/A
2022/09/02	02	10.3	#N/A	#N/A
2022/09/02	03	9.3	#N/A	#N/A
2022/09/02	04	9.3	#N/A	#N/A
2022/09/02	05	9.6	#N/A	#N/A
2022/09/02	06	10	#N/A	#N/A
2022/09/02	07	11.6	#N/A	#N/A
2022/09/02	08	15.3	#N/A	#N/A
2022/09/02	09	18.5	#N/A	#N/A
2022/09/02	10	20.2	#N/A	#N/A
2022/09/02	11	21.8	#N/A	#N/A
2022/09/02	12	23.6	#N/A	#N/A
2022/09/02	13	24.8	#N/A	#N/A
2022/09/02	14	25.1	#N/A	#N/A
2022/09/02	15	25.2	#N/A	#N/A
2022/09/02	16	25	#N/A	#N/A
2022/09/02	17	24.4	#N/A	#N/A
2022/09/02	18	22.5	#N/A	#N/A
2022/09/02	19	20.6	#N/A	#N/A
2022/09/02	20	19.6	#N/A	#N/A
2022/09/02	21	18.5	#N/A	#N/A
2022/09/02	22	18.1	#N/A	#N/A
2022/09/02	23	17.2	#N/A	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/03	00	16.4	#N/A	#N/A
2022/09/03	01	15.7	#N/A	#N/A
2022/09/03	02	16.9	#N/A	#N/A
2022/09/03	03	14.3	#N/A	#N/A
2022/09/03	04	13.5	#N/A	#N/A
2022/09/03	05	14.1	#N/A	#N/A
2022/09/03	06	14.7	#N/A	#N/A
2022/09/03	07	15.8	#N/A	#N/A
2022/09/03	08	18.1	#N/A	#N/A
2022/09/03	09	20.1	#N/A	#N/A
2022/09/03	10	22.4	#N/A	#N/A
2022/09/03	11	24.4	#N/A	#N/A
2022/09/03	12	25.9	#N/A	#N/A
2022/09/03	13	27.1	#N/A	#N/A
2022/09/03	14	27.6	#N/A	#N/A
2022/09/03	15	27.4	#N/A	#N/A
2022/09/03	16	27.7	#N/A	#N/A
2022/09/03	17	26.9	#N/A	#N/A
2022/09/03	18	25.4	#N/A	#N/A
2022/09/03	19	21.4	#N/A	#N/A
2022/09/03	20	19.9	#N/A	#N/A
2022/09/03	21	19.4	#N/A	#N/A
2022/09/03	22	19.9	#N/A	#N/A
2022/09/03	23	18.1	#N/A	#N/A
2022/09/04	00	17.2	#N/A	#N/A
2022/09/04	01	16.1	#N/A	#N/A
2022/09/04	02	14.5	#N/A	#N/A
2022/09/04	03	13.4	#N/A	#N/A
2022/09/04	04	12.8	#N/A	#N/A
2022/09/04	05	12.8	#N/A	#N/A
2022/09/04	06	12.6	#N/A	#N/A
2022/09/04	07	12.8	#N/A	#N/A
2022/09/04	08	13	#N/A	#N/A
2022/09/04	09	12.8	#N/A	#N/A
2022/09/04	10	13.1	#N/A	#N/A
2022/09/04	11	14	#N/A	#N/A
2022/09/04	12	15.4	#N/A	#N/A
2022/09/04	13	16.7	#N/A	#N/A
2022/09/04	14	16.6	#N/A	#N/A
2022/09/04	15	17.8	#N/A	#N/A
2022/09/04	16	17.9	#N/A	#N/A
2022/09/04	17	17.5	#N/A	#N/A
2022/09/04	18	15.5	#N/A	#N/A
2022/09/04	19	13.7	#N/A	#N/A
2022/09/04	20	13.5	#N/A	#N/A
2022/09/04	21	12.4	#N/A	#N/A
2022/09/04	22	13.5	#N/A	#N/A
2022/09/04	23	11.8	#N/A	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/05	00	11.2	#N/A	#N/A
2022/09/05	01	11.8	#N/A	#N/A
2022/09/05	02	10.8	#N/A	#N/A
2022/09/05	03	10	#N/A	#N/A
2022/09/05	04	10	#N/A	#N/A
2022/09/05	05	10	#N/A	#N/A
2022/09/05	06	10.4	#N/A	#N/A
2022/09/05	07	11.2	#N/A	#N/A
2022/09/05	08	13.2	#N/A	#N/A
2022/09/05	09	13.8	#N/A	#N/A
2022/09/05	10	15.3	#N/A	#N/A
2022/09/05	11	17.8	#N/A	#N/A
2022/09/05	12	17.2	#N/A	#N/A
2022/09/05	13	19	#N/A	#N/A
2022/09/05	14	20	#N/A	#N/A
2022/09/05	15	20.8	#N/A	#N/A
2022/09/05	16	20.6	#N/A	#N/A
2022/09/05	17	19.8	#N/A	#N/A
2022/09/05	18	17.2	#N/A	#N/A
2022/09/05	19	15.5	#N/A	#N/A
2022/09/05	20	14.5	#N/A	#N/A
2022/09/05	21	14.3	#N/A	#N/A
2022/09/05	22	13.5	#N/A	#N/A
2022/09/05	23	13.3	#N/A	#N/A
2022/09/06	00	12.7	#N/A	#N/A
2022/09/06	01	12.2	#N/A	#N/A
2022/09/06	02	12.9	#N/A	#N/A
2022/09/06	03	12.3	#N/A	#N/A
2022/09/06	04	12.2	#N/A	#N/A
2022/09/06	05	11.8	#N/A	#N/A
2022/09/06	06	11.8	#N/A	#N/A
2022/09/06	07	12.6	#N/A	#N/A
2022/09/06	08	14.2	#N/A	#N/A
2022/09/06	09	15.4	#N/A	#N/A
2022/09/06	10	16.5	#N/A	#N/A
2022/09/06	11	18	#N/A	#N/A
2022/09/06	12	19.1	#N/A	#N/A
2022/09/06	13	20.4	#N/A	#N/A
2022/09/06	14	21.5	#N/A	#N/A
2022/09/06	15	21.4	#N/A	#N/A
2022/09/06	16	21	#N/A	#N/A
2022/09/06	17	20.1	#N/A	#N/A
2022/09/06	18	19.4	#N/A	#N/A
2022/09/06	19	18.9	#N/A	#N/A
2022/09/06	20	18.4	#N/A	#N/A
2022/09/06	21	18.1	#N/A	#N/A
2022/09/06	22	17.6	#N/A	#N/A
2022/09/06	23	17.6	#N/A	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/07	00	17.1	#N/A	#N/A
2022/09/07	01	16.5	#N/A	#N/A
2022/09/07	02	16.6	#N/A	#N/A
2022/09/07	03	16.4	#N/A	#N/A
2022/09/07	04	16.3	#N/A	#N/A
2022/09/07	05	16.3	#N/A	#N/A
2022/09/07	06	16.6	#N/A	#N/A
2022/09/07	07	17.3	#N/A	#N/A
2022/09/07	08	17.9	#N/A	#N/A
2022/09/07	09	18.7	#N/A	#N/A
2022/09/07	10	21.1	#N/A	#N/A
2022/09/07	11	21.4	#N/A	#N/A
2022/09/07	12	21.9	#N/A	#N/A
2022/09/07	13	22.5	#N/A	#N/A
2022/09/07	14	22.9	#N/A	#N/A
2022/09/07	15	23.1	#N/A	#N/A
2022/09/07	16	23.2	#N/A	#N/A
2022/09/07	17	21.8	#N/A	#N/A
2022/09/07	18	20.3	#N/A	#N/A
2022/09/07	19	19.3	#N/A	#N/A
2022/09/07	20	17.4	#N/A	#N/A
2022/09/07	21	18.1	#N/A	#N/A
2022/09/07	22	17.1	#N/A	#N/A
2022/09/07	23	16.5	#N/A	#N/A
2022/09/08	00	15.4	#N/A	#N/A
2022/09/08	01	15.8	#N/A	#N/A
2022/09/08	02	14.8	#N/A	#N/A
2022/09/08	03	13.8	#N/A	#N/A
2022/09/08	04	14	#N/A	#N/A
2022/09/08	05	13.8	#N/A	#N/A
2022/09/08	06	13.2	#N/A	#N/A
2022/09/08	07	14.2	#N/A	#N/A
2022/09/08	08	15.8	#N/A	#N/A
2022/09/08	09	18.9	#N/A	#N/A
2022/09/08	10	22	#N/A	#N/A
2022/09/08	11	23.5	#N/A	#N/A
2022/09/08	12	24.7	#N/A	#N/A
2022/09/08	13	25.2	#N/A	#N/A
2022/09/08	14	26	#N/A	#N/A
2022/09/08	15	26.7	#N/A	#N/A
2022/09/08	16	26.2	#N/A	#N/A
2022/09/08	17	25.4	#N/A	#N/A
2022/09/08	18	23.4	#N/A	#N/A
2022/09/08	19	22.5	#N/A	#N/A
2022/09/08	20	17.3	#N/A	#N/A
2022/09/08	21	17.4	#N/A	#N/A
2022/09/08	22	16.7	#N/A	#N/A
2022/09/08	23	16.4	#N/A	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/09	00	15.9	#N/A	#N/A
2022/09/09	01	14.2	#N/A	#N/A
2022/09/09	02	13.7	#N/A	#N/A
2022/09/09	03	14.5	#N/A	#N/A
2022/09/09	04	13.6	#N/A	#N/A
2022/09/09	05	12.8	#N/A	#N/A
2022/09/09	06	13.9	#N/A	#N/A
2022/09/09	07	14.8	#N/A	#N/A
2022/09/09	08	17	#N/A	#N/A
2022/09/09	09	20	#N/A	#N/A
2022/09/09	10	22.6	#N/A	#N/A
2022/09/09	11	24.4	#N/A	#N/A
2022/09/09	12	24.9	#N/A	#N/A
2022/09/09	13	25.8	#N/A	#N/A
2022/09/09	14	26.2	#N/A	#N/A
2022/09/09	15	26.4	#N/A	#N/A
2022/09/09	16	25.8	#N/A	#N/A
2022/09/09	17	24.8	#N/A	#N/A
2022/09/09	18	22.8	#N/A	#N/A
2022/09/09	19	21	#N/A	#N/A
2022/09/09	20	20	#N/A	#N/A
2022/09/09	21	19.5	#N/A	#N/A
2022/09/09	22	18.3	#N/A	#N/A
2022/09/09	23	17.3	#N/A	#N/A
2022/09/10	00	16.4	#N/A	#N/A
2022/09/10	01	16.1	#N/A	#N/A
2022/09/10	02	15.8	#N/A	#N/A
2022/09/10	03	14.8	#N/A	#N/A
2022/09/10	04	15.6	#N/A	#N/A
2022/09/10	05	13.8	#N/A	#N/A
2022/09/10	06	13.7	#N/A	#N/A
2022/09/10	07	16.3	#N/A	#N/A
2022/09/10	08	18.4	#N/A	#N/A
2022/09/10	09	20.7	#N/A	#N/A
2022/09/10	10	22.9	#N/A	#N/A
2022/09/10	11	24.8	#N/A	#N/A
2022/09/10	12	26.1	#N/A	#N/A
2022/09/10	13	26.9	#N/A	#N/A
2022/09/10	14	28.6	#N/A	#N/A
2022/09/10	15	28.6	#N/A	#N/A
2022/09/10	16	27.4	#N/A	#N/A
2022/09/10	17	25.5	#N/A	#N/A
2022/09/10	18	23.6	#N/A	#N/A
2022/09/10	19	21.9	#N/A	#N/A
2022/09/10	20	19.4	#N/A	#N/A
2022/09/10	21	19	#N/A	#N/A
2022/09/10	22	18.6	#N/A	#N/A
2022/09/10	23	16.5	#N/A	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/11	00	15.5	#N/A	#N/A
2022/09/11	01	13.4	#N/A	#N/A
2022/09/11	02	12.7	#N/A	#N/A
2022/09/11	03	15.1	#N/A	#N/A
2022/09/11	04	15	#N/A	#N/A
2022/09/11	05	13.4	#N/A	#N/A
2022/09/11	06	14.4	#N/A	#N/A
2022/09/11	07	15.3	#N/A	#N/A
2022/09/11	08	18.4	#N/A	#N/A
2022/09/11	09	21.1	#N/A	#N/A
2022/09/11	10	23.1	#N/A	#N/A
2022/09/11	11	24.2	#N/A	#N/A
2022/09/11	12	24.9	#N/A	#N/A
2022/09/11	13	25.4	#N/A	#N/A
2022/09/11	14	25.2	#N/A	#N/A
2022/09/11	15	24.2	#N/A	#N/A
2022/09/11	16	23.4	#N/A	#N/A
2022/09/11	17	22.2	#N/A	#N/A
2022/09/11	18	21.2	#N/A	#N/A
2022/09/11	19	20.3	#N/A	#N/A
2022/09/11	20	19.1	#N/A	#N/A
2022/09/11	21	18.5	#N/A	#N/A
2022/09/11	22	17.8	#N/A	#N/A
2022/09/11	23	17.9	#N/A	#N/A
2022/09/12	00	17.1	#N/A	#N/A
2022/09/12	01	16.7	#N/A	#N/A
2022/09/12	02	15.9	#N/A	#N/A
2022/09/12	03	15.3	#N/A	#N/A
2022/09/12	04	15.7	#N/A	#N/A
2022/09/12	05	14.4	#N/A	#N/A
2022/09/12	06	13.9	#N/A	#N/A
2022/09/12	07	15.8	#N/A	#N/A
2022/09/12	08	18.2	#N/A	#N/A
2022/09/12	09	20.8	#N/A	#N/A
2022/09/12	10	21.3	#N/A	#N/A
2022/09/12	11	23.1	#N/A	#N/A
2022/09/12	12	23.1	#N/A	#N/A
2022/09/12	13	24.1	#N/A	#N/A
2022/09/12	14	24.1	#N/A	#N/A
2022/09/12	15	23.8	#N/A	#N/A
2022/09/12	16	23.6	#N/A	#N/A
2022/09/12	17	23.5	#N/A	#N/A
2022/09/12	18	23.2	#N/A	#N/A
2022/09/12	19	22.3	#N/A	#N/A
2022/09/12	20	20	#N/A	#N/A
2022/09/12	21	20.3	#N/A	#N/A
2022/09/12	22	20.2	#N/A	#N/A
2022/09/12	23	19.8	#N/A	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/13	00	19.7	#N/A	#N/A
2022/09/13	01	19.4	#N/A	#N/A
2022/09/13	02	18.8	#N/A	#N/A
2022/09/13	03	17.9	#N/A	#N/A
2022/09/13	04	18.1	#N/A	#N/A
2022/09/13	05	17	#N/A	#N/A
2022/09/13	06	15.8	#N/A	#N/A
2022/09/13	07	17.1	#N/A	#N/A
2022/09/13	08	19.2	#N/A	#N/A
2022/09/13	09	20.3	#N/A	#N/A
2022/09/13	10	21.2	#N/A	#N/A
2022/09/13	11	20.9	#N/A	#N/A
2022/09/13	12	19	#N/A	#N/A
2022/09/13	13	18	#N/A	#N/A
2022/09/13	14	18.1	#N/A	#N/A
2022/09/13	15	18.2	#N/A	#N/A
2022/09/13	16	18.5	#N/A	#N/A
2022/09/13	17	18.4	#N/A	#N/A
2022/09/13	18	17.1	#N/A	#N/A
2022/09/13	19	17	#N/A	#N/A
2022/09/13	20	16.6	#N/A	#N/A
2022/09/13	21	16.3	#N/A	#N/A
2022/09/13	22	16.2	#N/A	#N/A
2022/09/13	23	16.1	#N/A	#N/A
2022/09/14	00	16.3	#N/A	#N/A
2022/09/14	01	16.4	#N/A	#N/A
2022/09/14	02	16.4	#N/A	#N/A
2022/09/14	03	16.8	#N/A	#N/A
2022/09/14	04	16.9	#N/A	#N/A
2022/09/14	05	17.1	#N/A	#N/A
2022/09/14	06	16.8	#N/A	#N/A
2022/09/14	07	17.1	#N/A	#N/A
2022/09/14	08	17.9	#N/A	#N/A
2022/09/14	09	18.8	#N/A	#N/A
2022/09/14	10	19.9	#N/A	#N/A
2022/09/14	11	20.3	#N/A	#N/A
2022/09/14	12	20.3	#N/A	#N/A
2022/09/14	13	18.1	#N/A	#N/A
2022/09/14	14	18.2	#N/A	#N/A
2022/09/14	15	17.6	#N/A	#N/A
2022/09/14	16	17.6	#N/A	#N/A
2022/09/14	17	16	#N/A	#N/A
2022/09/14	18	14.9	#N/A	#N/A
2022/09/14	19	13.1	#N/A	#N/A
2022/09/14	20	11.5	#N/A	#N/A
2022/09/14	21	10	#N/A	#N/A
2022/09/14	22	10	#N/A	#N/A
2022/09/14	23	8.2	#N/A	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/15	00	7	#N/A	#N/A
2022/09/15	01	8.6	#N/A	#N/A
2022/09/15	02	7.6	#N/A	#N/A
2022/09/15	03	7.9	#N/A	#N/A
2022/09/15	04	7.7	#N/A	#N/A
2022/09/15	05	6.7	#N/A	#N/A
2022/09/15	06	7.4	#N/A	#N/A
2022/09/15	07	8.3	#N/A	#N/A
2022/09/15	08	9.4	#N/A	#N/A
2022/09/15	09	10.6	#N/A	#N/A
2022/09/15	10	12.5	#N/A	#N/A
2022/09/15	11	13.2	#N/A	#N/A
2022/09/15	12	13.8	#N/A	#N/A
2022/09/15	13	14.6	#N/A	#N/A
2022/09/15	14	15.8	#N/A	#N/A
2022/09/15	15	16.1	#N/A	#N/A
2022/09/15	16	15.9	#N/A	#N/A
2022/09/15	17	14.8	#N/A	#N/A
2022/09/15	18	11.8	#N/A	#N/A
2022/09/15	19	10.6	#N/A	#N/A
2022/09/15	20	10.7	#N/A	#N/A
2022/09/15	21	11.2	#N/A	#N/A
2022/09/15	22	10.7	#N/A	#N/A
2022/09/15	23	10.5	#N/A	#N/A
2022/09/16	00	10.6	#N/A	#N/A
2022/09/16	01	10.7	#N/A	#N/A
2022/09/16	02	10.8	#N/A	#N/A
2022/09/16	03	11.1	#N/A	#N/A
2022/09/16	04	11.4	#N/A	#N/A
2022/09/16	05	10.9	#N/A	#N/A
2022/09/16	06	10.9	#N/A	#N/A
2022/09/16	07	11.8	0.0773	#N/A
2022/09/16	08	13.7	0.0701	#N/A
2022/09/16	09	14.2	0.0635	#N/A
2022/09/16	10	15	0.0533	#N/A
2022/09/16	11	15.8	0.0463	#N/A
2022/09/16	12	16.3	0.0417	#N/A
2022/09/16	13	16.9	0.0407	#N/A
2022/09/16	14	17.8	0.0424	#N/A
2022/09/16	15	17.9	0.0477	#N/A
2022/09/16	16	17.3	0.0536	#N/A
2022/09/16	17	16.1	0.0588	#N/A
2022/09/16	18	14.5	0.0605	#N/A
2022/09/16	19	13.1	0.0578	#N/A
2022/09/16	20	12.5	0.0524	#N/A
2022/09/16	21	10.9	0.0456	#N/A
2022/09/16	22	9.1	0.0398	#N/A
2022/09/16	23	9.2	0.0361	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/17	00	8.4	0.0358	#N/A
2022/09/17	01	7.1	0.0372	#N/A
2022/09/17	02	8	0.0397	#N/A
2022/09/17	03	8.2	0.0442	#N/A
2022/09/17	04	8.1	0.0536	#N/A
2022/09/17	05	8.2	0.0698	#N/A
2022/09/17	06	8.3	0.0862	#N/A
2022/09/17	07	9.2	0.0967	#N/A
2022/09/17	08	10.2	0.0992	#N/A
2022/09/17	09	12.3	0.0965	#N/A
2022/09/17	10	13.7	0.0910	#N/A
2022/09/17	11	15.5	0.0809	#N/A
2022/09/17	12	16.3	0.0709	#N/A
2022/09/17	13	16.8	0.0631	#N/A
2022/09/17	14	17.2	0.0617	#N/A
2022/09/17	15	18.7	0.0655	#N/A
2022/09/17	16	18.8	0.0697	#N/A
2022/09/17	17	18.8	0.0710	#N/A
2022/09/17	18	14.7	0.0660	#N/A
2022/09/17	19	14.5	0.0579	#N/A
2022/09/17	20	13.9	0.0497	#N/A
2022/09/17	21	15	0.0416	#N/A
2022/09/17	22	14.1	0.0368	#N/A
2022/09/17	23	14.3	0.0330	#N/A
2022/09/18	00	13.8	0.0315	#N/A
2022/09/18	01	13.6	0.0315	#N/A
2022/09/18	02	13.8	0.0326	#N/A
2022/09/18	03	13.8	0.0360	#N/A
2022/09/18	04	14.5	0.0417	#N/A
2022/09/18	05	15.2	0.0555	#N/A
2022/09/18	06	16	0.0698	#N/A
2022/09/18	07	17.3	0.0834	#N/A
2022/09/18	08	18.3	0.0845	#N/A
2022/09/18	09	20.4	0.0836	#N/A
2022/09/18	10	18.6	0.0803	#N/A
2022/09/18	11	18.7	0.0778	#N/A
2022/09/18	12	20	0.0724	#N/A
2022/09/18	13	13.7	0.0654	#N/A
2022/09/18	14	12.8	0.0621	#N/A
2022/09/18	15	12.3	0.0631	#N/A
2022/09/18	16	12.1	0.0689	#N/A
2022/09/18	17	11.8	0.0734	#N/A
2022/09/18	18	11.8	0.0738	#N/A
2022/09/18	19	11.8	0.0650	#N/A
2022/09/18	20	11.8	0.0550	#N/A
2022/09/18	21	11.9	0.0440	#N/A
2022/09/18	22	11.9	0.0375	#N/A
2022/09/18	23	11.9	0.0316	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/19	00	11.8	0.0301	#N/A
2022/09/19	01	11.8	0.0301	#N/A
2022/09/19	02	11.9	0.0331	#N/A
2022/09/19	03	11.8	0.0397	#N/A
2022/09/19	04	11.7	0.0533	#N/A
2022/09/19	05	11.2	0.0682	#N/A
2022/09/19	06	10.9	0.0785	#N/A
2022/09/19	07	10.6	0.0793	#N/A
2022/09/19	08	10.7	0.0760	#N/A
2022/09/19	09	10.9	0.0732	#N/A
2022/09/19	10	11.2	0.0714	#N/A
2022/09/19	11	11.2	0.0679	#N/A
2022/09/19	12	11.3	0.0632	#N/A
2022/09/19	13	11.9	0.0591	#N/A
2022/09/19	14	12.3	0.0613	#N/A
2022/09/19	15	13	0.0670	#N/A
2022/09/19	16	12.8	0.0755	#N/A
2022/09/19	17	12.4	0.0791	#N/A
2022/09/19	18	11.9	0.0752	#N/A
2022/09/19	19	11.8	0.0655	#N/A
2022/09/19	20	11.5	0.0540	#N/A
2022/09/19	21	11.7	0.0492	#N/A
2022/09/19	22	11.5	0.0501	#N/A
2022/09/19	23	11.6	0.0521	#N/A
2022/09/20	00	11.6	0.0510	#N/A
2022/09/20	01	11.6	0.0491	#N/A
2022/09/20	02	11.7	0.0556	#N/A
2022/09/20	03	11.8	0.0608	#N/A
2022/09/20	04	11.8	0.0579	#N/A
2022/09/20	05	11.8	0.0475	#N/A
2022/09/20	06	12	0.0429	#N/A
2022/09/20	07	12.1	0.0519	#N/A
2022/09/20	08	11.9	0.0601	#N/A
2022/09/20	09	12.6	0.0610	#N/A
2022/09/20	10	12.9	0.0509	#N/A
2022/09/20	11	13.3	0.0436	#N/A
2022/09/20	12	14.7	0.0451	#N/A
2022/09/20	13	14.6	0.0517	#N/A
2022/09/20	14	14.9	0.0537	#N/A
2022/09/20	15	14.6	0.0506	#N/A
2022/09/20	16	15	0.0557	#N/A
2022/09/20	17	14.3	0.0693	#N/A
2022/09/20	18	14	0.0771	#N/A
2022/09/20	19	13.6	0.0678	#N/A
2022/09/20	20	13.4	0.0527	#N/A
2022/09/20	21	13.2	0.0459	#N/A
2022/09/20	22	12.8	0.0513	#N/A
2022/09/20	23	12.8	0.0577	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/21	00	12.7	0.0609	#N/A
2022/09/21	01	12.2	0.0550	#N/A
2022/09/21	02	12	0.0530	#N/A
2022/09/21	03	11.4	0.0617	#N/A
2022/09/21	04	11.7	0.0790	#N/A
2022/09/21	05	11.6	0.0904	#N/A
2022/09/21	06	11.6	0.0858	#N/A
2022/09/21	07	12.2	0.0741	#N/A
2022/09/21	08	13.9	0.0627	#N/A
2022/09/21	09	15	0.0571	#N/A
2022/09/21	10	15.5	0.0531	#N/A
2022/09/21	11	17.7	0.0504	#N/A
2022/09/21	12	19.6	0.0492	#N/A
2022/09/21	13	20.8	0.0491	#N/A
2022/09/21	14	21.7	0.0541	#N/A
2022/09/21	15	18.7	0.0574	#N/A
2022/09/21	16	19.6	0.0641	#N/A
2022/09/21	17	21	0.0624	#N/A
2022/09/21	18	19.3	0.0565	#N/A
2022/09/21	19	18.9	0.0468	#N/A
2022/09/21	20	19.4	0.0372	#N/A
2022/09/21	21	20	0.0316	#N/A
2022/09/21	22	20.2	0.0270	#N/A
2022/09/21	23	19.5	0.0272	#N/A
2022/09/22	00	18	0.0282	#N/A
2022/09/22	01	17.5	0.0308	#N/A
2022/09/22	02	15.9	0.0391	#N/A
2022/09/22	03	14.5	0.0567	#N/A
2022/09/22	04	13.6	0.0806	#N/A
2022/09/22	05	12.6	0.0940	#N/A
2022/09/22	06	11.3	0.0954	#N/A
2022/09/22	07	12.8	0.0874	#N/A
2022/09/22	08	14	0.0788	#N/A
2022/09/22	09	14.1	0.0702	#N/A
2022/09/22	10	14.3	0.0617	#N/A
2022/09/22	11	14.9	0.0576	#N/A
2022/09/22	12	13.4	0.0574	#N/A
2022/09/22	13	15.1	0.0637	#N/A
2022/09/22	14	14.7	0.0760	#N/A
2022/09/22	15	13.9	0.0941	#N/A
2022/09/22	16	13	0.1074	#N/A
2022/09/22	17	11.1	0.1124	#N/A
2022/09/22	18	10.5	0.1086	#N/A
2022/09/22	19	9.9	0.1024	#N/A
2022/09/22	20	9.1	0.0942	#N/A
2022/09/22	21	8.7	0.0876	#N/A
2022/09/22	22	8.3	0.0824	#N/A
2022/09/22	23	7.5	0.0839	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/23	00	7.2	0.0867	#N/A
2022/09/23	01	6.6	0.0945	#N/A
2022/09/23	02	6.2	0.1059	#N/A
2022/09/23	03	5.8	0.1340	#N/A
2022/09/23	04	4.8	0.1693	#N/A
2022/09/23	05	4.4	0.1856	#N/A
2022/09/23	06	4.7	0.1749	#N/A
2022/09/23	07	5.4	0.1431	#N/A
2022/09/23	08	6	0.1224	#N/A
2022/09/23	09	6.6	0.1036	#N/A
2022/09/23	10	7.8	0.0901	#N/A
2022/09/23	11	9.1	0.0766	#N/A
2022/09/23	12	10.9	0.0701	#N/A
2022/09/23	13	11.8	0.0701	#N/A
2022/09/23	14	12.4	0.0778	#N/A
2022/09/23	15	12.5	0.0881	#N/A
2022/09/23	16	12.8	0.0975	#N/A
2022/09/23	17	12.2	0.0997	#N/A
2022/09/23	18	10.5	0.1005	#N/A
2022/09/23	19	8.4	0.0987	#N/A
2022/09/23	20	7.3	0.0955	#N/A
2022/09/23	21	7.7	0.0905	#N/A
2022/09/23	22	8.3	0.0827	#N/A
2022/09/23	23	7	0.0762	#N/A
2022/09/24	00	4.9	0.0752	#N/A
2022/09/24	01	4.2	0.0821	#N/A
2022/09/24	02	4.4	0.0927	#N/A
2022/09/24	03	4	0.0991	#N/A
2022/09/24	04	4.5	0.0990	#N/A
2022/09/24	05	4.2	0.0936	#N/A
2022/09/24	06	3.9	0.0881	#N/A
2022/09/24	07	6.8	0.0916	#N/A
2022/09/24	08	9.1	0.1021	#N/A
2022/09/24	09	11.7	0.1167	#N/A
2022/09/24	10	13.3	0.1129	#N/A
2022/09/24	11	15.7	0.0994	#N/A
2022/09/24	12	16.8	0.0830	#N/A
2022/09/24	13	17.8	0.1038	#N/A
2022/09/24	14	18.1	0.1399	#N/A
2022/09/24	15	18.6	0.1554	#N/A
2022/09/24	16	18.2	0.1263	#N/A
2022/09/24	17	17.2	0.0839	#N/A
2022/09/24	18	14.4	0.0723	#N/A
2022/09/24	19	13.8	0.0856	#N/A
2022/09/24	20	11.3	0.0973	#N/A
2022/09/24	21	10.9	0.0893	#N/A
2022/09/24	22	10.7	0.0749	#N/A
2022/09/24	23	10.6	0.0666	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/25	00	10.2	0.0760	#N/A
2022/09/25	01	10.7	0.0800	#N/A
2022/09/25	02	10.7	0.0787	#N/A
2022/09/25	03	9.9	0.0682	#N/A
2022/09/25	04	9.9	0.0786	#N/A
2022/09/25	05	9.7	0.0993	#N/A
2022/09/25	06	9.7	0.1176	#N/A
2022/09/25	07	10.1	0.1161	#N/A
2022/09/25	08	11.3	0.1020	#N/A
2022/09/25	09	13.6	0.0901	#N/A
2022/09/25	10	15.4	0.0813	#N/A
2022/09/25	11	16.3	0.0783	#N/A
2022/09/25	12	16.6	0.0753	#N/A
2022/09/25	13	16.5	0.0770	#N/A
2022/09/25	14	16.5	0.0811	#N/A
2022/09/25	15	15.6	0.0890	#N/A
2022/09/25	16	14.7	0.0949	#N/A
2022/09/25	17	14.1	0.0974	#N/A
2022/09/25	18	13.5	0.0884	#N/A
2022/09/25	19	12.9	0.0767	#N/A
2022/09/25	20	12.7	0.0625	#N/A
2022/09/25	21	12.3	0.0560	#N/A
2022/09/25	22	12.4	0.0506	#N/A
2022/09/25	23	12.4	0.0510	#N/A
2022/09/26	00	12.2	0.0516	#N/A
2022/09/26	01	11.9	0.0555	#N/A
2022/09/26	02	11.4	0.0638	#N/A
2022/09/26	03	11.5	0.0830	#N/A
2022/09/26	04	11.4	0.1065	#N/A
2022/09/26	05	11.4	0.1207	#N/A
2022/09/26	06	11.4	0.1177	#N/A
2022/09/26	07	11	0.1069	#N/A
2022/09/26	08	13	0.0947	#N/A
2022/09/26	09	13.4	0.0862	#N/A
2022/09/26	10	16.2	0.0790	#N/A
2022/09/26	11	17.7	0.0750	#N/A
2022/09/26	12	17.7	0.0772	#N/A
2022/09/26	13	18.4	0.0830	#N/A
2022/09/26	14	17.1	0.0929	#N/A
2022/09/26	15	16.1	0.1002	#N/A
2022/09/26	16	15.2	0.1013	#N/A
2022/09/26	17	14.8	0.0971	#N/A
2022/09/26	18	13.7	0.0886	#N/A
2022/09/26	19	12.5	0.0791	#N/A
2022/09/26	20	11.4	0.0690	#N/A
2022/09/26	21	10.5	0.0599	#N/A
2022/09/26	22	9.3	0.0552	#N/A
2022/09/26	23	9.5	0.0546	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/27	00	9.6	0.0574	#N/A
2022/09/27	01	10.4	0.0605	#N/A
2022/09/27	02	11.1	0.0688	#N/A
2022/09/27	03	10.9	0.0871	#N/A
2022/09/27	04	10.9	0.1115	#N/A
2022/09/27	05	10.8	0.1248	#N/A
2022/09/27	06	11	0.1212	#N/A
2022/09/27	07	11.2	0.1078	#N/A
2022/09/27	08	12	0.0929	#N/A
2022/09/27	09	12.7	0.0822	#N/A
2022/09/27	10	13.2	0.0702	#N/A
2022/09/27	11	13.7	0.0624	#N/A
2022/09/27	12	14	0.0597	#N/A
2022/09/27	13	14.1	0.0667	#N/A
2022/09/27	14	14.6	0.0782	#N/A
2022/09/27	15	15.3	0.0905	#N/A
2022/09/27	16	15.6	0.0945	#N/A
2022/09/27	17	14.8	0.0939	#N/A
2022/09/27	18	14.2	0.0859	#N/A
2022/09/27	19	12.5	0.0760	#N/A
2022/09/27	20	12.7	0.0652	#N/A
2022/09/27	21	12.5	0.0560	#N/A
2022/09/27	22	10.7	0.0523	#N/A
2022/09/27	23	10.9	0.0537	#N/A
2022/09/28	00	10.9	0.0588	#N/A
2022/09/28	01	11.6	0.0681	#N/A
2022/09/28	02	12.1	0.0829	#N/A
2022/09/28	03	12.2	0.0920	#N/A
2022/09/28	04	11.9	0.0926	#N/A
2022/09/28	05	11.6	0.0898	#N/A
2022/09/28	06	11.3	0.1004	#N/A
2022/09/28	07	11.3	0.1091	#N/A
2022/09/28	08	12.5	0.1116	#N/A
2022/09/28	09	12.1	0.1030	#N/A
2022/09/28	10	12.5	0.1127	#N/A
2022/09/28	11	12.8	0.1232	#N/A
2022/09/28	12	13.1	0.1276	#N/A
2022/09/28	13	13	0.1135	#N/A
2022/09/28	14	13.5	0.1027	#N/A
2022/09/28	15	14	0.1032	#N/A
2022/09/28	16	13.5	0.1091	#N/A
2022/09/28	17	12.5	0.1115	#N/A
2022/09/28	18	11.7	0.1061	#N/A
2022/09/28	19	11.2	0.1101	#N/A
2022/09/28	20	10.9	0.1348	#N/A
2022/09/28	21	10.3	0.1628	#N/A
2022/09/28	22	9.6	0.1553	#N/A
2022/09/28	23	9.4	0.1228	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/09/29	00	9.2	0.1031	#N/A
2022/09/29	01	8.9	0.1265	#N/A
2022/09/29	02	8.6	0.1474	#N/A
2022/09/29	03	8.2	0.1452	#N/A
2022/09/29	04	8	0.1248	#N/A
2022/09/29	05	7.6	0.1168	#N/A
2022/09/29	06	7.2	0.1216	#N/A
2022/09/29	07	7	0.1188	#N/A
2022/09/29	08	8.3	0.1076	#N/A
2022/09/29	09	9.1	0.0896	#N/A
2022/09/29	10	9.8	0.0771	#N/A
2022/09/29	11	10.3	0.0684	#N/A
2022/09/29	12	11.1	0.0679	#N/A
2022/09/29	13	12	0.0752	#N/A
2022/09/29	14	12.9	0.0888	#N/A
2022/09/29	15	13.4	0.1009	#N/A
2022/09/29	16	13.2	0.1069	#N/A
2022/09/29	17	12.2	0.1055	#N/A
2022/09/29	18	9.8	0.1008	#N/A
2022/09/29	19	8.6	0.0954	#N/A
2022/09/29	20	7.1	0.0943	#N/A
2022/09/29	21	5.6	0.0963	#N/A
2022/09/29	22	5.7	0.1017	#N/A
2022/09/29	23	4.4	0.1079	#N/A
2022/09/30	00	4	0.1142	#N/A
2022/09/30	01	5.1	0.1277	#N/A
2022/09/30	02	4.2	0.1595	#N/A
2022/09/30	03	3.3	0.2004	#N/A
2022/09/30	04	3.7	0.2275	#N/A
2022/09/30	05	2.2	0.2199	#N/A
2022/09/30	06	3.3	0.1876	#N/A
2022/09/30	07	4.2	0.1462	#N/A
2022/09/30	08	8	0.1096	#N/A
2022/09/30	09	10.7	0.0822	#N/A
2022/09/30	10	13.2	0.0666	#N/A
2022/09/30	11	14.4	0.0587	#N/A
2022/09/30	12	16	0.0584	#N/A
2022/09/30	13	16.5	0.0632	#N/A
2022/09/30	14	17.8	0.0717	#N/A
2022/09/30	15	18.3	0.0809	#N/A
2022/09/30	16	17.5	0.0839	#N/A
2022/09/30	17	16.4	0.0830	#N/A
2022/09/30	18	13.4	0.0802	#N/A
2022/09/30	19	10.8	0.0786	#N/A
2022/09/30	20	9.9	0.0787	#N/A
2022/09/30	21	9.3	0.0784	#N/A
2022/09/30	22	10.7	0.0840	#N/A
2022/09/30	23	9.1	0.0899	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/01	00	8.8	0.0988	#N/A
2022/10/01	01	7.9	0.1094	#N/A
2022/10/01	02	8	0.1319	#N/A
2022/10/01	03	6.2	0.1600	#N/A
2022/10/01	04	6.9	0.1856	#N/A
2022/10/01	05	6.7	0.1898	#N/A
2022/10/01	06	7.2	0.1703	#N/A
2022/10/01	07	6.2	0.1362	#N/A
2022/10/01	08	9.4	0.1033	#N/A
2022/10/01	09	11.6	0.0812	#N/A
2022/10/01	10	13.6	0.0690	#N/A
2022/10/01	11	16	0.0672	#N/A
2022/10/01	12	17.6	0.0701	#N/A
2022/10/01	13	18.4	0.0780	#N/A
2022/10/01	14	17.8	0.0853	#N/A
2022/10/01	15	17.4	0.0948	#N/A
2022/10/01	16	16.4	0.0995	#N/A
2022/10/01	17	15	0.0990	#N/A
2022/10/01	18	13	0.0951	#N/A
2022/10/01	19	12.1	0.0934	#N/A
2022/10/01	20	12.1	0.0950	#N/A
2022/10/01	21	11.8	0.0977	#N/A
2022/10/01	22	10.3	0.1021	#N/A
2022/10/01	23	8.9	0.1086	#N/A
2022/10/02	00	7.5	0.1183	#N/A
2022/10/02	01	6.6	0.1330	#N/A
2022/10/02	02	5.6	0.1624	#N/A
2022/10/02	03	5	0.1924	#N/A
2022/10/02	04	4.2	0.1939	#N/A
2022/10/02	05	3.7	0.1730	#N/A
2022/10/02	06	3.2	0.1531	#N/A
2022/10/02	07	4	0.1686	#N/A
2022/10/02	08	5.5	0.1821	#N/A
2022/10/02	09	7.9	0.1804	#N/A
2022/10/02	10	9.2	0.1624	#N/A
2022/10/02	11	10.4	0.1559	#N/A
2022/10/02	12	11.1	0.1613	#N/A
2022/10/02	13	12.6	0.1655	#N/A
2022/10/02	14	13.1	0.1545	#N/A
2022/10/02	15	13.2	0.1414	#N/A
2022/10/02	16	13	0.1551	#N/A
2022/10/02	17	11.4	0.2036	#N/A
2022/10/02	18	10.4	0.2454	#N/A
2022/10/02	19	9.2	0.2210	#N/A
2022/10/02	20	8	0.1608	#N/A
2022/10/02	21	6.5	0.1291	#N/A
2022/10/02	22	5.3	0.1755	#N/A
2022/10/02	23	2.5	0.2199	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/03	00	4.3	0.2181	#N/A
2022/10/03	01	1.6	0.1691	#N/A
2022/10/03	02	1.4	0.1341	#N/A
2022/10/03	03	2.5	0.1356	#N/A
2022/10/03	04	2	0.1461	#N/A
2022/10/03	05	1.6	0.1452	#N/A
2022/10/03	06	2.3	0.1260	#N/A
2022/10/03	07	3	0.1166	#N/A
2022/10/03	08	5.8	0.1182	#N/A
2022/10/03	09	8.3	0.1209	#N/A
2022/10/03	10	11.2	0.1089	#N/A
2022/10/03	11	11.8	0.0957	#N/A
2022/10/03	12	12.8	0.0897	#N/A
2022/10/03	13	13.4	0.0965	#N/A
2022/10/03	14	14.6	0.1109	#N/A
2022/10/03	15	14.9	0.1204	#N/A
2022/10/03	16	14.9	0.1264	#N/A
2022/10/03	17	13.2	0.1232	#N/A
2022/10/03	18	12.5	0.1201	#N/A
2022/10/03	19	7.3	0.1155	#N/A
2022/10/03	20	6.3	0.1144	#N/A
2022/10/03	21	6.3	0.1200	#N/A
2022/10/03	22	3.5	0.1278	#N/A
2022/10/03	23	4.5	0.1391	#N/A
2022/10/04	00	7.2	0.1518	#N/A
2022/10/04	01	5.8	0.1754	#N/A
2022/10/04	02	2.2	0.2140	#N/A
2022/10/04	03	3	0.2551	#N/A
2022/10/04	04	0.4	0.2721	#N/A
2022/10/04	05	1.1	0.2512	#N/A
2022/10/04	06	1.4	0.1999	#N/A
2022/10/04	07	3.4	0.1479	#N/A
2022/10/04	08	6.7	0.1071	#N/A
2022/10/04	09	9.2	0.0820	#N/A
2022/10/04	10	12.1	0.0672	#N/A
2022/10/04	11	14.8	0.0600	#N/A
2022/10/04	12	16	0.0625	#N/A
2022/10/04	13	15.4	0.0722	#N/A
2022/10/04	14	17.2	0.0846	#N/A
2022/10/04	15	17	0.0953	#N/A
2022/10/04	16	16.9	0.0960	#N/A
2022/10/04	17	16	0.0917	#N/A
2022/10/04	18	12.3	0.0823	#N/A
2022/10/04	19	10.7	0.0731	#N/A
2022/10/04	20	8	0.0655	#N/A
2022/10/04	21	9.2	0.0642	#N/A
2022/10/04	22	7.6	0.0699	#N/A
2022/10/04	23	7	0.0797	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/05	00	3.9	0.0921	#N/A
2022/10/05	01	5.2	0.1140	#N/A
2022/10/05	02	4.8	0.1522	#N/A
2022/10/05	03	3.4	0.1928	#N/A
2022/10/05	04	4.1	0.2098	#N/A
2022/10/05	05	5.2	0.1918	#N/A
2022/10/05	06	1.9	0.1505	#N/A
2022/10/05	07	5.1	0.1130	#N/A
2022/10/05	08	9.5	0.0852	#N/A
2022/10/05	09	12.3	0.0689	#N/A
2022/10/05	10	15.3	0.0581	#N/A
2022/10/05	11	17.6	0.0549	#N/A
2022/10/05	12	18.9	0.0553	#N/A
2022/10/05	13	20	0.0620	#N/A
2022/10/05	14	21	0.0679	#N/A
2022/10/05	15	21.4	0.0754	#N/A
2022/10/05	16	21.4	0.0752	#N/A
2022/10/05	17	19.4	0.0688	#N/A
2022/10/05	18	16.9	0.0582	#N/A
2022/10/05	19	16.8	0.0490	#N/A
2022/10/05	20	14.9	0.0413	#N/A
2022/10/05	21	14.6	0.0373	#N/A
2022/10/05	22	13.1	0.0356	#N/A
2022/10/05	23	12.6	0.0377	#N/A
2022/10/06	00	11.8	0.0418	#N/A
2022/10/06	01	9.6	0.0540	#N/A
2022/10/06	02	10.5	0.0776	#N/A
2022/10/06	03	10.3	0.1050	#N/A
2022/10/06	04	9.8	0.1193	#N/A
2022/10/06	05	9.1	0.1096	#N/A
2022/10/06	06	9.7	0.0885	#N/A
2022/10/06	07	10.3	0.0680	#N/A
2022/10/06	08	13.3	0.0581	#N/A
2022/10/06	09	14.7	0.0597	#N/A
2022/10/06	10	17.7	0.0772	#N/A
2022/10/06	11	20	0.0918	#N/A
2022/10/06	12	22.2	0.0967	#N/A
2022/10/06	13	21	0.0829	#N/A
2022/10/06	14	20.5	0.0699	0.0523
2022/10/06	15	20.3	0.0629	0.0638
2022/10/06	16	19.2	0.0794	0.0691
2022/10/06	17	18.2	0.1109	0.0748
2022/10/06	18	17.3	0.1324	0.0710
2022/10/06	19	16.2	0.1212	0.0623
2022/10/06	20	16	0.0982	0.0524
2022/10/06	21	15.3	0.0927	0.0441
2022/10/06	22	14.8	0.1121	0.0384
2022/10/06	23	14.4	0.1338	0.0329

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/07	00	14.1	0.1335	0.0317
2022/10/07	01	14.4	0.1150	0.0326
2022/10/07	02	14.1	0.0887	0.0375
2022/10/07	03	12.6	0.0822	0.0476
2022/10/07	04	12.7	0.0941	0.0671
2022/10/07	05	12.3	0.1125	0.0841
2022/10/07	06	10.8	0.1162	0.0927
2022/10/07	07	9.8	0.0998	0.0913
2022/10/07	08	9.3	0.0783	0.0902
2022/10/07	09	9.6	0.0699	0.0870
2022/10/07	10	9.2	0.0854	0.0880
2022/10/07	11	9.2	0.1131	0.0885
2022/10/07	12	9.7	0.1265	0.0904
2022/10/07	13	8.5	0.1134	0.0879
2022/10/07	14	7.7	0.0913	0.0949
2022/10/07	15	8.7	0.0860	0.1127
2022/10/07	16	8.1	0.1160	0.1278
2022/10/07	17	7.9	0.1540	0.1345
2022/10/07	18	7.2	0.1813	0.1335
2022/10/07	19	5.9	0.1854	0.1309
2022/10/07	20	4.5	0.1789	0.1272
2022/10/07	21	3.8	0.1717	0.1214
2022/10/07	22	3.2	0.1629	0.1213
2022/10/07	23	2.4	0.1609	0.1243
2022/10/08	00	1.6	0.1639	0.1344
2022/10/08	01	0	0.1729	0.1473
2022/10/08	02	-0.9	0.1803	0.1652
2022/10/08	03	-1.8	0.1934	0.1912
2022/10/08	04	-1.5	0.2234	0.2344
2022/10/08	05	-1.3	0.2692	0.2883
2022/10/08	06	-1.8	0.3107	0.3123
2022/10/08	07	-0.8	0.3176	0.3045
2022/10/08	08	2.1	0.2866	0.2564
2022/10/08	09	5.2	0.2349	0.2279
2022/10/08	10	4.9	0.1944	0.1999
2022/10/08	11	4.8	0.1679	0.1902
2022/10/08	12	6.2	0.1614	0.1704
2022/10/08	13	7.4	0.1640	0.1541
2022/10/08	14	9.3	0.1715	0.1417
2022/10/08	15	8.6	0.1780	0.1419
2022/10/08	16	8.5	0.1779	0.1561
2022/10/08	17	8.3	0.1787	0.1711
2022/10/08	18	7.9	0.1744	0.1751
2022/10/08	19	7.7	0.1684	0.1696
2022/10/08	20	7.9	0.1599	0.1590
2022/10/08	21	7.5	0.1489	0.1520
2022/10/08	22	6.7	0.1381	0.1435
2022/10/08	23	6.8	0.1303	0.1363

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/09	00	7	0.1281	0.1291
2022/10/09	01	7.4	0.1309	0.1276
2022/10/09	02	7.9	0.1352	0.1340
2022/10/09	03	8.1	0.1465	0.1526
2022/10/09	04	8.3	0.1683	0.1796
2022/10/09	05	8.3	0.2026	0.2091
2022/10/09	06	8.5	0.2295	0.2273
2022/10/09	07	7.4	0.2350	0.2333
2022/10/09	08	7	0.2160	0.2230
2022/10/09	09	7.1	0.1913	0.2020
2022/10/09	10	9.1	0.1715	0.1664
2022/10/09	11	10.1	0.1570	0.1372
2022/10/09	12	11.2	0.1410	0.1178
2022/10/09	13	10.1	0.1258	0.1091
2022/10/09	14	10.7	0.1178	0.1055
2022/10/09	15	10.6	0.1232	0.1080
2022/10/09	16	10	0.1371	0.1180
2022/10/09	17	8.5	0.1525	0.1297
2022/10/09	18	7	0.1671	0.1375
2022/10/09	19	5.7	0.1738	0.1458
2022/10/09	20	4.4	0.1721	0.1510
2022/10/09	21	3.3	0.1640	0.1572
2022/10/09	22	3.6	0.1598	0.1602
2022/10/09	23	2.9	0.1623	0.1598
2022/10/10	00	1.8	0.1663	0.1615
2022/10/10	01	2.9	0.1712	0.1666
2022/10/10	02	4.2	0.1779	0.1731
2022/10/10	03	3.6	0.1946	0.1783
2022/10/10	04	3.1	0.2240	0.1833
2022/10/10	05	1.7	0.2597	0.1962
2022/10/10	06	2.8	0.2843	0.2111
2022/10/10	07	4	0.2832	0.2207
2022/10/10	08	5.1	0.2527	0.2076
2022/10/10	09	6.2	0.2099	0.1882
2022/10/10	10	9.1	0.1780	0.1723
2022/10/10	11	9.2	0.1573	0.1900
2022/10/10	12	10.3	0.1423	0.2139
2022/10/10	13	10.3	0.1266	0.2240
2022/10/10	14	10.8	0.1208	0.2006
2022/10/10	15	10.9	0.1487	0.1749
2022/10/10	16	10.3	0.1939	0.1672
2022/10/10	17	8.6	0.2216	0.1763
2022/10/10	18	6.9	0.2032	0.1766
2022/10/10	19	2.1	0.1689	0.1686
2022/10/10	20	1.8	0.1589	0.1814
2022/10/10	21	4.3	0.1662	0.2111
2022/10/10	22	3.5	0.1621	0.2314
2022/10/10	23	2.4	0.1390	0.2053

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/11	00	3.1	0.1197	0.1699
2022/10/11	01	2.8	0.1254	0.1554
2022/10/11	02	2.5	0.1413	0.1888
2022/10/11	03	2.1	0.1495	0.2155
2022/10/11	04	2.3	0.1335	0.2176
2022/10/11	05	1.4	0.1174	0.1908
2022/10/11	06	2.2	0.1171	0.1654
2022/10/11	07	1.8	0.1360	0.1521
2022/10/11	08	4.3	0.1575	0.1294
2022/10/11	09	8.2	0.1656	0.1074
2022/10/11	10	10.6	0.1567	0.0873
2022/10/11	11	12.2	0.1455	0.0784
2022/10/11	12	14.1	0.1424	0.0725
2022/10/11	13	15.8	0.1545	0.0740
2022/10/11	14	16.9	0.1743	0.0809
2022/10/11	15	17.5	0.1926	0.0923
2022/10/11	16	17.3	0.1900	0.0987
2022/10/11	17	15.5	0.1686	0.1015
2022/10/11	18	13.4	0.1516	0.0964
2022/10/11	19	11.8	0.1896	0.0917
2022/10/11	20	12	0.2530	0.0880
2022/10/11	21	10.5	0.2837	0.0884
2022/10/11	22	9.7	0.2368	0.0873
2022/10/11	23	9	0.1704	0.0885
2022/10/12	00	7.9	0.1312	0.0918
2022/10/12	01	5.9	0.1304	0.0998
2022/10/12	02	5.6	0.1384	0.1193
2022/10/12	03	7.3	0.1570	0.1445
2022/10/12	04	4.9	0.1954	0.1654
2022/10/12	05	4.8	0.2436	0.1613
2022/10/12	06	8	0.2678	0.1398
2022/10/12	07	8.4	0.2536	0.1085
2022/10/12	08	11.1	0.2185	0.0865
2022/10/12	09	13.7	0.1896	0.0705
2022/10/12	10	15.6	0.1712	0.0615
2022/10/12	11	16.2	0.1492	0.0541
2022/10/12	12	17	0.1259	0.0489
2022/10/12	13	18.4	0.1142	0.0556
2022/10/12	14	18.6	0.1191	0.0682
2022/10/12	15	19.1	0.1319	0.0827
2022/10/12	16	18.1	0.1343	0.0857
2022/10/12	17	18	0.1310	0.0815
2022/10/12	18	16.1	0.1208	0.0718
2022/10/12	19	15.7	0.1122	0.0625
2022/10/12	20	16.3	0.0998	0.0515
2022/10/12	21	15.7	0.0889	0.0440
2022/10/12	22	15.5	0.0795	0.0395
2022/10/12	23	15	0.0732	0.0390

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/13	00	14.8	0.0713	0.0434
2022/10/13	01	12.1	0.0701	0.0499
2022/10/13	02	13.4	0.0736	0.0620
2022/10/13	03	13.6	0.0846	0.0814
2022/10/13	04	14.2	0.1092	0.0988
2022/10/13	05	14.3	0.1342	0.1053
2022/10/13	06	13.4	0.1492	0.0995
2022/10/13	07	13.9	0.1407	0.0891
2022/10/13	08	14	0.1241	0.0833
2022/10/13	09	14.6	0.1061	0.0773
2022/10/13	10	14.8	0.0996	0.0758
2022/10/13	11	15.6	0.0973	0.0715
2022/10/13	12	16.3	0.0987	0.0712
2022/10/13	13	16.4	0.1007	0.0773
2022/10/13	14	13.6	0.1059	0.0902
2022/10/13	15	13.2	0.1165	0.0981
2022/10/13	16	12.5	0.1221	0.0991
2022/10/13	17	12.3	0.1253	0.0943
2022/10/13	18	12.1	0.1204	0.0885
2022/10/13	19	11.8	0.1157	0.0816
2022/10/13	20	11.3	0.1059	0.0739
2022/10/13	21	11	0.0975	0.0676
2022/10/13	22	10.5	0.0911	0.0649
2022/10/13	23	10.5	0.0909	0.0662
2022/10/14	00	10.6	0.0926	0.0683
2022/10/14	01	9.4	0.0990	0.0716
2022/10/14	02	8.8	0.1091	0.0883
2022/10/14	03	8.8	0.1295	0.1216
2022/10/14	04	9.6	0.1725	0.1548
2022/10/14	05	7.4	0.2201	0.1635
2022/10/14	06	6.8	0.2501	0.1394
2022/10/14	07	7.1	0.2331	0.1164
2022/10/14	08	9.3	0.2009	0.1107
2022/10/14	09	11.7	0.1761	0.1097
2022/10/14	10	13.2	0.1746	0.1038
2022/10/14	11	14.5	0.1725	0.0973
2022/10/14	12	15.7	0.1649	0.1037
2022/10/14	13	16.6	0.1510	0.1150
2022/10/14	14	15.5	0.1396	0.1093
2022/10/14	15	16.4	0.1404	0.0980
2022/10/14	16	14.9	0.1510	0.0838
2022/10/14	17	11.1	0.1676	0.1063
2022/10/14	18	10	0.1828	0.1415
2022/10/14	19	6.8	0.1938	0.1798
2022/10/14	20	6.2	0.1986	0.1561
2022/10/14	21	5	0.1874	0.1223
2022/10/14	22	3.8	0.1798	0.0956
2022/10/14	23	4.1	0.1760	0.1310

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/15	00	4.1	0.1775	0.1596
2022/10/15	01	4.9	0.1715	0.1686
2022/10/15	02	4.3	0.1686	0.1395
2022/10/15	03	2.5	0.1752	0.1247
2022/10/15	04	4.4	0.1815	0.1220
2022/10/15	05	4.5	0.1837	0.1290
2022/10/15	06	4.5	0.1831	0.1234
2022/10/15	07	5.1	0.1785	0.1094
2022/10/15	08	8.4	0.2168	0.0968
2022/10/15	09	11.1	0.2203	0.0911
2022/10/15	10	13.9	0.2308	0.0912
2022/10/15	11	16.9	0.2204	0.0864
2022/10/15	12	17.3	0.2112	0.0843
2022/10/15	13	17	0.1915	0.0875
2022/10/15	14	14.2	0.1747	0.0965
2022/10/15	15	12.9	0.1646	0.1084
2022/10/15	16	12.3	0.1739	0.1131
2022/10/15	17	12.1	0.1854	0.1128
2022/10/15	18	10.6	0.1937	0.1068
2022/10/15	19	8.8	0.1902	0.1025
2022/10/15	20	8.8	0.1846	0.1024
2022/10/15	21	8	0.1749	0.1036
2022/10/15	22	6.3	0.1705	0.1078
2022/10/15	23	5.8	0.1723	0.1170
2022/10/16	00	4.8	0.1770	0.1250
2022/10/16	01	4.8	0.1805	0.1332
2022/10/16	02	4.2	0.1844	0.1476
2022/10/16	03	3.6	0.1959	0.1781
2022/10/16	04	3.6	0.2262	0.2206
2022/10/16	05	3.3	0.2660	0.2476
2022/10/16	06	3.5	0.2982	0.2360
2022/10/16	07	5.5	0.3010	0.1938
2022/10/16	08	7.5	0.2827	0.1458
2022/10/16	09	8.8	0.2568	0.1157
2022/10/16	10	10.3	0.2311	0.1013
2022/10/16	11	11.4	0.2004	0.0937
2022/10/16	12	12.2	0.1699	0.0933
2022/10/16	13	12.7	0.1576	0.0946
2022/10/16	14	12.8	0.1622	0.1073
2022/10/16	15	12.8	0.1741	0.1202
2022/10/16	16	12.6	0.1763	0.1245
2022/10/16	17	11.7	0.1747	0.1175
2022/10/16	18	10.3	0.1680	0.1065
2022/10/16	19	10.2	0.1630	0.0967
2022/10/16	20	9.8	0.1547	0.0883
2022/10/16	21	8.6	0.1506	0.0822
2022/10/16	22	9.2	0.1474	0.0812
2022/10/16	23	8.5	0.1493	0.0856

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/17	00	8.3	0.1522	0.0919
2022/10/17	01	9	0.1585	0.1048
2022/10/17	02	8.7	0.1676	0.1276
2022/10/17	03	8.1	0.1899	0.1624
2022/10/17	04	7.7	0.2317	0.1878
2022/10/17	05	7.8	0.2762	0.1944
2022/10/17	06	7.3	0.2942	0.1802
2022/10/17	07	7	0.2771	0.1634
2022/10/17	08	7.1	0.2465	0.1492
2022/10/17	09	7.2	0.2233	0.1460
2022/10/17	10	7.6	0.2124	0.1448
2022/10/17	11	7.8	0.2055	0.1448
2022/10/17	12	7.9	0.1984	0.1467
2022/10/17	13	8.5	0.1873	0.1539
2022/10/17	14	8.7	0.1775	0.1655
2022/10/17	15	8.9	0.1757	0.1716
2022/10/17	16	9	0.1800	0.1735
2022/10/17	17	7.8	0.1830	0.1657
2022/10/17	18	7.3	0.1799	0.1524
2022/10/17	19	6.9	0.1721	0.1393
2022/10/17	20	7.1	0.1629	0.1314
2022/10/17	21	7	0.1532	0.1256
2022/10/17	22	7	0.1446	0.1225
2022/10/17	23	6.7	0.1392	0.1197
2022/10/18	00	6.5	0.1392	0.1282
2022/10/18	01	6.2	0.1450	0.1423
2022/10/18	02	5.8	0.1575	0.1709
2022/10/18	03	5.1	0.1826	0.2112
2022/10/18	04	5.2	0.2294	0.2412
2022/10/18	05	4.9	0.2776	0.2395
2022/10/18	06	4.2	0.2962	0.2089
2022/10/18	07	3.8	0.2644	0.1609
2022/10/18	08	5.7	0.2195	0.1321
2022/10/18	09	7.8	0.1898	0.1357
2022/10/18	10	8.6	0.1841	0.1639
2022/10/18	11	9.6	0.1829	0.1604
2022/10/18	12	9.6	0.1830	0.1317
2022/10/18	13	9.7	0.1875	0.1043
2022/10/18	14	8.9	0.1934	0.1565
2022/10/18	15	8.8	0.2010	0.2090
2022/10/18	16	8.3	0.2009	0.2474
2022/10/18	17	6.8	0.2021	0.2039
2022/10/18	18	4.6	0.1951	0.1621
2022/10/18	19	3.9	0.1936	0.1333
2022/10/18	20	3.9	0.1850	0.1643
2022/10/18	21	3.7	0.1882	0.1842
2022/10/18	22	2.2	0.1909	0.1914
2022/10/18	23	2.4	0.1999	0.1698

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/19	00	1.9	0.1941	0.1654
2022/10/19	01	1.9	0.1921	0.1769
2022/10/19	02	2.5	0.1891	0.1902
2022/10/19	03	0.2	0.2011	0.2001
2022/10/19	04	-1.3	0.2043	0.2018
2022/10/19	05	-0.5	0.2076	0.1948
2022/10/19	06	-1	0.1931	0.1789
2022/10/19	07	-1.6	0.1888	0.1616
2022/10/19	08	-0.3	0.1900	0.1629
2022/10/19	09	4.6	0.2068	0.1792
2022/10/19	10	6.7	0.2122	0.1987
2022/10/19	11	8.3	0.2066	0.1934
2022/10/19	12	8.7	0.2077	0.1860
2022/10/19	13	8.7	0.2224	0.1851
2022/10/19	14	8	0.2434	0.2049
2022/10/19	15	7.3	0.2333	0.2158
2022/10/19	16	5.4	0.2211	0.2203
2022/10/19	17	4.7	0.2152	0.2098
2022/10/19	18	4.3	0.2415	0.1985
2022/10/19	19	4.3	0.2406	0.1841
2022/10/19	20	3.9	0.2288	0.1766
2022/10/19	21	3.7	0.1999	0.1752
2022/10/19	22	3.6	0.1970	0.1794
2022/10/19	23	4	0.2091	0.1921
2022/10/20	00	4.1	0.2231	0.2100
2022/10/20	01	4.3	0.2296	0.2409
2022/10/20	02	4.4	0.2289	0.2862
2022/10/20	03	3.7	0.2527	0.3198
2022/10/20	04	3.4	0.2882	0.3252
2022/10/20	05	3.2	0.3177	0.3047
2022/10/20	06	3.2	0.3131	0.2776
2022/10/20	07	3.2	0.2919	0.2597
2022/10/20	08	4.1	0.2608	0.2356
2022/10/20	09	4.8	0.2407	0.2157
2022/10/20	10	6.4	0.2261	0.2070
2022/10/20	11	7.3	0.2202	0.2172
2022/10/20	12	8.5	0.2212	0.2402
2022/10/20	13	7.9	0.2285	0.2540
2022/10/20	14	7.4	0.2395	0.2583
2022/10/20	15	6.9	0.2403	0.2593
2022/10/20	16	6.6	0.2381	0.2501
2022/10/20	17	5.8	0.2344	0.2361
2022/10/20	18	5.5	0.2287	0.2117
2022/10/20	19	5.1	0.2141	0.1963
2022/10/20	20	4.7	0.1957	0.1845
2022/10/20	21	5.3	0.1824	0.1813
2022/10/20	22	3.6	0.1746	0.1790
2022/10/20	23	3.2	0.1747	0.1846

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/21	00	3	0.1778	0.1993
2022/10/21	01	2.8	0.1910	0.2295
2022/10/21	02	2	0.2182	0.2689
2022/10/21	03	2.1	0.2712	0.2979
2022/10/21	04	1.2	0.3256	0.2975
2022/10/21	05	0.9	0.3504	0.2600
2022/10/21	06	0.9	0.3273	0.2002
2022/10/21	07	2	0.2756	0.1487
2022/10/21	08	4.1	0.2288	0.1134
2022/10/21	09	7.2	0.1977	0.0997
2022/10/21	10	8.6	0.1675	0.0870
2022/10/21	11	9.9	0.1404	0.0829
2022/10/21	12	11.3	0.1182	0.0846
2022/10/21	13	13.4	0.1139	0.0989
2022/10/21	14	13.7	0.1215	0.1114
2022/10/21	15	13.8	0.1326	0.1191
2022/10/21	16	13.8	0.1458	0.1200
2022/10/21	17	12.1	0.1523	0.1215
2022/10/21	18	11.1	0.1509	0.1211
2022/10/21	19	10.2	0.1449	0.1158
2022/10/21	20	9.8	0.1370	0.1086
2022/10/21	21	10	0.1314	0.1032
2022/10/21	22	11.1	0.1262	0.1079
2022/10/21	23	10.8	0.1230	0.1182
2022/10/22	00	10	0.1231	0.1302
2022/10/22	01	9.7	0.1265	0.1456
2022/10/22	02	8.8	0.1417	0.1638
2022/10/22	03	8.9	0.1738	0.1962
2022/10/22	04	8.6	0.2164	0.2063
2022/10/22	05	8	0.2460	0.1933
2022/10/22	06	8.4	0.2382	0.1490
2022/10/22	07	8.9	0.1998	0.1145
2022/10/22	08	10.8	0.1516	0.0928
2022/10/22	09	13.4	0.1144	0.0801
2022/10/22	10	15.9	0.0904	0.0752
2022/10/22	11	17.7	0.0745	0.0927
2022/10/22	12	18.9	0.0677	0.1245
2022/10/22	13	20.1	0.0686	0.1473
2022/10/22	14	20.6	0.0743	0.1267
2022/10/22	15	20.4	0.0835	0.0995
2022/10/22	16	19.4	0.0875	0.0853
2022/10/22	17	16.6	0.0870	0.1041
2022/10/22	18	14.8	0.0802	0.1139
2022/10/22	19	13.4	0.0751	0.1099
2022/10/22	20	15.3	0.0718	0.0973
2022/10/22	21	12.4	0.0706	0.0872
2022/10/22	22	12	0.0884	0.0847
2022/10/22	23	10.8	0.0981	0.0816

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/23	00	11	0.1169	0.0805
2022/10/23	01	10.4	0.1083	0.0790
2022/10/23	02	10.2	0.1134	0.0780
2022/10/23	03	7.8	0.1062	0.0792
2022/10/23	04	8.1	0.1098	0.0820
2022/10/23	05	5.2	0.1124	0.0821
2022/10/23	06	2.2	0.1134	0.0830
2022/10/23	07	4.7	0.1138	0.0808
2022/10/23	08	9.6	0.1077	0.0756
2022/10/23	09	13.2	0.1228	0.0710
2022/10/23	10	15.3	0.1330	0.0682
2022/10/23	11	17.3	0.1461	0.0749
2022/10/23	12	19.4	0.1239	0.0785
2022/10/23	13	20.7	0.1203	0.0812
2022/10/23	14	21.1	0.1227	0.0805
2022/10/23	15	20.9	0.1508	0.0863
2022/10/23	16	18.7	0.1450	0.0950
2022/10/23	17	16.7	0.1273	0.0907
2022/10/23	18	14.7	0.1013	0.0770
2022/10/23	19	13.2	0.1003	0.0646
2022/10/23	20	12.5	0.1096	0.0612
2022/10/23	21	10.7	0.1162	0.0658
2022/10/23	22	9.5	0.1140	0.0702
2022/10/23	23	7.5	0.1083	0.0798
2022/10/24	00	8.2	0.1299	0.0898
2022/10/24	01	6.8	0.1474	0.1052
2022/10/24	02	7.3	0.1611	0.1348
2022/10/24	03	6.5	0.1357	0.1624
2022/10/24	04	6.2	0.1372	0.1688
2022/10/24	05	6.7	0.1468	0.1465
2022/10/24	06	5.9	0.1698	0.1126
2022/10/24	07	6.1	0.1589	0.0851
2022/10/24	08	10.1	0.1317	0.0681
2022/10/24	09	11.3	0.0993	0.0603
2022/10/24	10	14.8	0.0771	0.0554
2022/10/24	11	17.3	0.0649	0.0535
2022/10/24	12	18.8	0.0601	0.0547
2022/10/24	13	20.2	0.0627	0.0639
2022/10/24	14	20.9	0.0719	0.0755
2022/10/24	15	21	0.0877	0.0828
2022/10/24	16	20.2	0.0978	0.0785
2022/10/24	17	17.4	0.0994	0.0671
2022/10/24	18	15.5	0.0937	0.0554
2022/10/24	19	14.8	0.0882	0.0467
2022/10/24	20	13.8	0.0825	0.0412
2022/10/24	21	13.4	0.0791	0.0390
2022/10/24	22	13	0.0800	0.0411
2022/10/24	23	12.2	0.0853	0.0459

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/25	00	11	0.0933	0.0528
2022/10/25	01	10.5	0.1030	0.0654
2022/10/25	02	10.8	0.1229	0.0880
2022/10/25	03	10.6	0.1571	0.1056
2022/10/25	04	10.3	0.1906	0.1132
2022/10/25	05	9.6	0.2068	0.1057
2022/10/25	06	11.3	0.1940	0.0916
2022/10/25	07	11.6	0.1690	0.0793
2022/10/25	08	12.6	0.1409	0.0655
2022/10/25	09	13.9	0.1220	0.0592
2022/10/25	10	15.3	0.1104	0.0509
2022/10/25	11	17	0.0979	0.0488
2022/10/25	12	18.1	0.0882	0.0518
2022/10/25	13	19.8	0.0838	0.0632
2022/10/25	14	19.6	0.0902	0.0751
2022/10/25	15	20.1	0.0968	0.0818
2022/10/25	16	19.8	0.1001	0.0795
2022/10/25	17	17.4	0.0988	0.0678
2022/10/25	18	16.6	0.0921	0.0552
2022/10/25	19	16.4	0.0796	0.0448
2022/10/25	20	15	0.0679	0.0407
2022/10/25	21	16.1	0.0580	0.0367
2022/10/25	22	16.4	0.0542	0.0352
2022/10/25	23	17	0.0530	0.0364
2022/10/26	00	17.4	0.0547	0.0407
2022/10/26	01	16.9	0.0588	0.0479
2022/10/26	02	14.4	0.0670	0.0648
2022/10/26	03	15.3	0.0864	0.0781
2022/10/26	04	13.3	0.1088	0.0898
2022/10/26	05	14.3	0.1228	0.0845
2022/10/26	06	14.2	0.1145	0.0780
2022/10/26	07	14.3	0.0956	0.0632
2022/10/26	08	16.9	0.0763	0.0561
2022/10/26	09	20	0.0669	0.0501
2022/10/26	10	20.1	0.0598	0.0492
2022/10/26	11	21.5	0.0555	0.0468
2022/10/26	12	23.4	0.0552	0.0510
2022/10/26	13	23.2	0.0605	0.0637
2022/10/26	14	22.6	0.0710	0.0754
2022/10/26	15	22.8	0.0825	0.0816
2022/10/26	16	20	0.0899	0.0764
2022/10/26	17	18.2	0.0893	0.0906
2022/10/26	18	16.7	0.0819	0.1090
2022/10/26	19	16.2	0.0739	0.1176
2022/10/26	20	16.2	0.0699	0.0950
2022/10/26	21	15.9	0.0711	0.0670
2022/10/26	22	15.2	0.0788	0.0530
2022/10/26	23	14.6	0.0903	0.0629

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/27	00	9.5	0.1037	0.0764
2022/10/27	01	8.8	0.1118	0.0885
2022/10/27	02	8.2	0.1406	0.0822
2022/10/27	03	6.8	0.1668	0.0741
2022/10/27	04	5.8	0.1960	0.0697
2022/10/27	05	5.5	0.1990	0.0868
2022/10/27	06	5.2	0.2179	0.1127
2022/10/27	07	4.5	0.2374	0.1370
2022/10/27	08	4.7	0.2553	0.1306
2022/10/27	09	5.4	0.2429	0.1150
2022/10/27	10	5.8	0.2335	0.1022
2022/10/27	11	6.6	0.2346	0.1236
2022/10/27	12	7.3	0.2460	0.1443
2022/10/27	13	7.8	0.2444	0.1641
2022/10/27	14	7.9	0.2340	0.1543
2022/10/27	15	8	0.2368	0.1538
2022/10/27	16	7.5	0.2508	0.1566
2022/10/27	17	5.1	0.2725	0.1773
2022/10/27	18	4.8	0.2514	0.1915
2022/10/27	19	2.4	0.2395	0.1964
2022/10/27	20	3.4	0.2304	0.1884
2022/10/27	21	2.8	0.2950	0.1794
2022/10/27	22	0.7	0.3121	0.1732
2022/10/27	23	0.1	0.3035	0.1851
2022/10/28	00	-0.3	0.2305	0.2022
2022/10/28	01	-1.4	0.2282	0.2220
2022/10/28	02	-1.4	0.2433	0.2403
2022/10/28	03	-1.7	0.2945	0.2729
2022/10/28	04	-1.8	0.2849	0.3266
2022/10/28	05	-2.2	0.2628	0.3751
2022/10/28	06	-1.3	0.2274	0.3793
2022/10/28	07	-2.5	0.2259	0.3329
2022/10/28	08	0.5	0.2254	0.2591
2022/10/28	09	3.2	0.2130	0.1968
2022/10/28	10	4.4	0.1820	0.1633
2022/10/28	11	6.5	0.1613	0.1471
2022/10/28	12	7.5	0.1575	0.1408
2022/10/28	13	8	0.1721	0.1311
2022/10/28	14	8	0.1912	0.1378
2022/10/28	15	8.7	0.2085	0.1531
2022/10/28	16	7.7	0.2186	0.1789
2022/10/28	17	6.4	0.2237	0.2024
2022/10/28	18	4.8	0.2227	0.2138
2022/10/28	19	2.7	0.2181	0.2218
2022/10/28	20	3.8	0.2126	0.2115
2022/10/28	21	2.2	0.2103	0.2064
2022/10/28	22	0.7	0.2132	0.1988
2022/10/28	23	1.1	0.2208	0.2069

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/29	00	0.8	0.2363	0.2192
2022/10/29	01	-1.2	0.2615	0.2301
2022/10/29	02	-2.4	0.3076	0.2471
2022/10/29	03	-1.6	0.3636	0.2791
2022/10/29	04	-0.9	0.4047	0.3230
2022/10/29	05	-0.9	0.3993	0.3687
2022/10/29	06	-1.6	0.3511	0.3814
2022/10/29	07	-2.2	0.2825	0.3479
2022/10/29	08	0.7	0.2248	0.2723
2022/10/29	09	3.9	0.1843	0.2000
2022/10/29	10	7.4	0.1553	0.1510
2022/10/29	11	10.5	0.1354	0.1221
2022/10/29	12	12.1	0.1263	0.1035
2022/10/29	13	13.6	0.1367	0.0920
2022/10/29	14	15	0.1516	0.0921
2022/10/29	15	15.2	0.1658	0.1059
2022/10/29	16	15	0.1725	0.1228
2022/10/29	17	12.9	0.1795	0.1341
2022/10/29	18	11.1	0.1833	0.1363
2022/10/29	19	9.4	0.1850	0.1337
2022/10/29	20	7.8	0.1862	0.1343
2022/10/29	21	6.6	0.1894	0.1323
2022/10/29	22	6.2	0.1972	0.1365
2022/10/29	23	5.6	0.2045	0.1447
2022/10/30	00	4.8	0.2176	0.1569
2022/10/30	01	4	0.2382	0.1732
2022/10/30	02	4.1	0.2797	0.1901
2022/10/30	03	2	0.3385	0.2184
2022/10/30	04	1.6	0.3851	0.2542
2022/10/30	05	1	0.3905	0.3019
2022/10/30	06	0.3	0.3406	0.3252
2022/10/30	07	0.1	0.2714	0.3008
2022/10/30	08	3.2	0.2095	0.2359
2022/10/30	09	6	0.1666	0.1683
2022/10/30	10	10	0.1363	0.1284
2022/10/30	11	12.7	0.1141	0.1063
2022/10/30	12	14.2	0.1103	0.0950
2022/10/30	13	15.6	0.1220	0.0867
2022/10/30	14	16.2	0.1399	0.0884
2022/10/30	15	17.1	0.1532	0.1008
2022/10/30	16	15.6	0.1559	0.1213
2022/10/30	17	13	0.1522	0.1351
2022/10/30	18	11.9	0.1441	0.1379
2022/10/30	19	11.8	0.1361	0.1345
2022/10/30	20	9.3	0.1332	0.1300
2022/10/30	21	8.5	0.1343	0.1233
2022/10/30	22	6.7	0.1388	0.1193
2022/10/30	23	9.7	0.1460	0.1202

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/10/31	00	8	0.1588	0.1257
2022/10/31	01	6.9	0.1865	0.1252
2022/10/31	02	7.2	0.2359	0.1313
2022/10/31	03	4.6	0.2917	0.1442
2022/10/31	04	5.6	0.3099	0.1685
2022/10/31	05	6.5	0.2928	0.1695
2022/10/31	06	6.7	0.2397	0.1663
2022/10/31	07	4.7	0.2273	0.1450
2022/10/31	08	6.8	0.2125	0.1537
2022/10/31	09	9	0.2309	0.1643
2022/10/31	10	11	0.2017	0.1928
2022/10/31	11	11.9	0.1807	0.1747
2022/10/31	12	13.3	0.1444	0.1470
2022/10/31	13	14	0.1527	0.1160
2022/10/31	14	14.2	0.1747	0.1483
2022/10/31	15	14.2	0.1876	0.1757
2022/10/31	16	13.2	0.1744	0.1846
2022/10/31	17	12.1	0.1597	0.1467
2022/10/31	18	12.1	0.1714	0.1200
2022/10/31	19	12.1	0.1810	0.1123
2022/10/31	20	11.9	0.1747	0.1180
2022/10/31	21	10.3	0.1604	0.1158
2022/10/31	22	9.7	0.1631	0.1095
2022/10/31	23	9.8	0.1654	0.1065
2022/11/01	00	9.8	0.1600	0.1107
2022/11/01	01	9.8	0.1466	0.1190
2022/11/01	02	9.6	0.1379	0.1195
2022/11/01	03	9.5	0.1402	0.1189
2022/11/01	04	9.5	0.1380	0.1218
2022/11/01	05	9.6	0.1359	0.1416
2022/11/01	06	9.9	0.1117	0.1527
2022/11/01	07	10	0.1032	0.1556
2022/11/01	08	10.6	0.0957	0.1362
2022/11/01	09	11.5	0.1063	0.1270
2022/11/01	10	12	0.0993	0.1137
2022/11/01	11	12.8	0.0917	0.1073
2022/11/01	12	15.2	0.0817	0.0979
2022/11/01	13	15.2	0.0856	0.0938
2022/11/01	14	15.1	0.0970	0.0992
2022/11/01	15	15.7	0.1078	0.1105
2022/11/01	16	15.2	0.1133	0.1234
2022/11/01	17	12	0.1136	0.1303
2022/11/01	18	10.2	0.1128	0.1250
2022/11/01	19	10.6	0.1096	0.1148
2022/11/01	20	11.2	0.1079	0.1005
2022/11/01	21	8.1	0.1101	0.0934
2022/11/01	22	7.2	0.1193	0.0848
2022/11/01	23	8.3	0.1298	0.0829

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/02	00	8	0.1443	0.0838
2022/11/02	01	6.8	0.1719	0.0913
2022/11/02	02	7.8	0.2249	0.1064
2022/11/02	03	6.4	0.2769	0.1348
2022/11/02	04	4.8	0.3094	0.1766
2022/11/02	05	4.4	0.2966	0.2122
2022/11/02	06	5	0.2534	0.2225
2022/11/02	07	4.2	0.1930	0.1949
2022/11/02	08	6.4	0.1421	0.1525
2022/11/02	09	10.3	0.1086	0.1166
2022/11/02	10	12	0.0917	0.0954
2022/11/02	11	13.1	0.0850	0.0793
2022/11/02	12	14.2	0.0911	0.0672
2022/11/02	13	14.4	0.1072	0.0614
2022/11/02	14	15.2	0.1265	0.0690
2022/11/02	15	15.1	0.1400	0.0837
2022/11/02	16	14.7	0.1487	0.1043
2022/11/02	17	12.1	0.1497	0.1178
2022/11/02	18	6.8	0.1488	0.1227
2022/11/02	19	7.3	0.1439	0.1247
2022/11/02	20	7.6	0.1420	0.1242
2022/11/02	21	8.3	0.1444	0.1236
2022/11/02	22	7.7	0.1525	0.1275
2022/11/02	23	7.5	0.1656	0.1368
2022/11/03	00	5.2	0.1809	0.1522
2022/11/03	01	2.4	0.2123	0.1691
2022/11/03	02	2.6	0.2687	0.1951
2022/11/03	03	1.8	0.3328	0.2347
2022/11/03	04	1	0.3675	0.2831
2022/11/03	05	0.1	0.3447	0.3147
2022/11/03	06	1	0.2857	0.3122
2022/11/03	07	0.9	0.2157	0.2618
2022/11/03	08	3.2	0.1633	0.1949
2022/11/03	09	6.8	0.1244	0.1353
2022/11/03	10	9.4	0.1015	0.1001
2022/11/03	11	12	0.0887	0.0805
2022/11/03	12	14.5	0.0886	0.0664
2022/11/03	13	15.3	0.1011	0.0598
2022/11/03	14	16.4	0.1121	0.0646
2022/11/03	15	16.9	0.1231	0.0771
2022/11/03	16	16.5	0.1261	0.0898
2022/11/03	17	14.7	0.1278	0.1002
2022/11/03	18	12.9	0.1250	0.1005
2022/11/03	19	11.5	0.1210	0.1004
2022/11/03	20	10.2	0.1197	0.0915
2022/11/03	21	8.9	0.1225	0.0857
2022/11/03	22	8.3	0.1314	0.0821
2022/11/03	23	7.4	0.1405	0.0863

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/04	00	7	0.1536	0.0940
2022/11/04	01	7.5	0.1761	0.1015
2022/11/04	02	6.7	0.2238	0.1026
2022/11/04	03	6.6	0.2738	0.1012
2022/11/04	04	6.8	0.3056	0.1046
2022/11/04	05	7	0.2919	0.1243
2022/11/04	06	5.9	0.2506	0.1424
2022/11/04	07	6	0.1956	0.1555
2022/11/04	08	8.4	0.1458	0.1270
2022/11/04	09	11.1	0.1111	0.0994
2022/11/04	10	14.1	0.0923	0.0756
2022/11/04	11	17.4	0.0883	0.1117
2022/11/04	12	19.4	0.0855	0.1361
2022/11/04	13	20.2	0.0866	0.1425
2022/11/04	14	20	0.0882	0.1044
2022/11/04	15	20.3	0.0958	0.0791
2022/11/04	16	19	0.0981	0.0658
2022/11/04	17	17.4	0.0992	0.0703
2022/11/04	18	15.9	0.1000	0.0747
2022/11/04	19	15.4	0.1007	0.0750
2022/11/04	20	16.7	0.1000	0.0705
2022/11/04	21	16.7	0.0959	0.0676
2022/11/04	22	15.8	0.0939	0.0731
2022/11/04	23	14.7	0.0905	0.0709
2022/11/05	00	15.2	0.0882	0.0684
2022/11/05	01	15.9	0.0851	0.0626
2022/11/05	02	16.1	0.0798	0.0767
2022/11/05	03	15.8	0.0736	0.0880
2022/11/05	04	15.5	0.0673	0.0966
2022/11/05	05	15.4	0.0663	0.0916
2022/11/05	06	15	0.0637	0.0881
2022/11/05	07	15	0.0612	0.0849
2022/11/05	08	16.1	0.0587	0.0791
2022/11/05	09	17.8	0.0544	0.0724
2022/11/05	10	18.9	0.0529	0.0634
2022/11/05	11	21.8	0.0514	0.0588
2022/11/05	12	20.8	0.0589	0.0560
2022/11/05	13	22	0.0627	0.0597
2022/11/05	14	23.2	0.0637	0.0656
2022/11/05	15	23.2	0.0568	0.0716
2022/11/05	16	22.6	0.0559	0.0720
2022/11/05	17	21.6	0.0605	0.0627
2022/11/05	18	20.9	0.0650	0.0530
2022/11/05	19	21.1	0.0618	0.0444
2022/11/05	20	21	0.0537	0.0405
2022/11/05	21	20.9	0.0459	0.0362
2022/11/05	22	20.9	0.0396	0.0320
2022/11/05	23	21	0.0346	0.0312

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/06	00	21.3	0.0325	0.0293
2022/11/06	01	21.2	0.0332	0.0296
2022/11/06	02	21.4	0.0337	0.0292
2022/11/06	03	20.1	0.0358	0.0329
2022/11/06	04	17.3	0.0393	0.0395
2022/11/06	05	16.8	0.0464	0.0534
2022/11/06	06	16.3	0.0594	0.0705
2022/11/06	07	16	0.0738	0.0830
2022/11/06	08	16	0.0826	0.0868
2022/11/06	09	16.4	0.0958	0.0815
2022/11/06	10	17.7	0.0922	0.0768
2022/11/06	11	19.4	0.0873	0.0700
2022/11/06	12	19.9	0.0705	0.0656
2022/11/06	13	19.6	0.0688	0.0610
2022/11/06	14	19.2	0.0716	0.0687
2022/11/06	15	18.4	0.0758	0.0758
2022/11/06	16	17.6	0.0850	0.0872
2022/11/06	17	16.9	0.0943	0.0815
2022/11/06	18	15.9	0.0964	0.0764
2022/11/06	19	14.8	0.0939	0.0641
2022/11/06	20	14.6	0.0852	0.0569
2022/11/06	21	14.1	0.0794	0.0485
2022/11/06	22	13	0.0718	0.0445
2022/11/06	23	13.3	0.0714	0.0460
2022/11/07	00	13.2	0.0752	0.0485
2022/11/07	01	13.1	0.0827	0.0524
2022/11/07	02	12	0.0904	0.0562
2022/11/07	03	12	0.1010	0.0715
2022/11/07	04	11	0.1192	0.0958
2022/11/07	05	10.6	0.1561	0.1214
2022/11/07	06	10.5	0.1892	0.1239
2022/11/07	07	10.2	0.2027	0.1124
2022/11/07	08	11.1	0.1922	0.0915
2022/11/07	09	12.4	0.1742	0.0825
2022/11/07	10	12.3	0.1571	0.0782
2022/11/07	11	12.5	0.1427	0.0754
2022/11/07	12	12.2	0.1325	0.0748
2022/11/07	13	12.8	0.1364	0.0760
2022/11/07	14	12.8	0.1481	0.0955
2022/11/07	15	11.1	0.1699	0.1189
2022/11/07	16	10.7	0.1885	0.1396
2022/11/07	17	10.2	0.1982	0.1463
2022/11/07	18	9.5	0.2013	0.1446
2022/11/07	19	8.2	0.1984	0.1410
2022/11/07	20	7	0.1931	0.1375
2022/11/07	21	7	0.1806	0.1353
2022/11/07	22	5.8	0.1652	0.1393
2022/11/07	23	5.3	0.1548	0.1440

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/08	00	5	0.1552	0.1545
2022/11/08	01	3.6	0.1644	0.1633
2022/11/08	02	1.9	0.1772	0.1807
2022/11/08	03	4	0.2002	0.2163
2022/11/08	04	3.1	0.2405	0.2650
2022/11/08	05	2	0.3038	0.2566
2022/11/08	06	1	0.3564	0.2510
2022/11/08	07	0.4	0.3680	0.2301
2022/11/08	08	1.2	0.3281	0.2630
2022/11/08	09	2.1	0.2695	0.2489
2022/11/08	10	3	0.2217	0.2238
2022/11/08	11	4.2	0.1944	0.2081
2022/11/08	12	4.7	0.1749	0.2215
2022/11/08	13	5.4	0.1660	0.2416
2022/11/08	14	5.7	0.1715	0.2222
2022/11/08	15	5.8	0.2036	0.1950
2022/11/08	16	5	0.2548	0.1789
2022/11/08	17	3.9	0.2863	0.2206
2022/11/08	18	3	0.2870	0.2731
2022/11/08	19	2.8	0.2681	0.3205
2022/11/08	20	1.7	0.2563	0.2824
2022/11/08	21	1.3	0.2619	0.2357
2022/11/08	22	-0.3	0.2650	0.1980
2022/11/08	23	-0.5	0.2627	0.2513
2022/11/09	00	-2.3	0.2480	0.2829
2022/11/09	01	-2.5	0.2390	0.2889
2022/11/09	02	-2.2	0.2444	0.2507
2022/11/09	03	-3.2	0.2536	0.2454
2022/11/09	04	-4.4	0.2474	0.2546
2022/11/09	05	-4.3	0.2412	0.2565
2022/11/09	06	-4.9	0.2431	0.2319
2022/11/09	07	-3.4	0.2566	0.2006
2022/11/09	08	-1.8	0.2578	0.1962
2022/11/09	09	0.7	0.2530	0.2067
2022/11/09	10	3.2	0.2437	0.2204
2022/11/09	11	4.9	0.2396	0.1890
2022/11/09	12	6.9	0.2324	0.1581
2022/11/09	13	8	0.2349	0.1359
2022/11/09	14	9.4	0.2357	0.1575
2022/11/09	15	10.2	0.2558	0.1831
2022/11/09	16	10	0.2712	0.2057
2022/11/09	17	7	0.2903	0.2155
2022/11/09	18	7.9	0.2597	0.2192
2022/11/09	19	7.8	0.2469	0.2154
2022/11/09	20	6.4	0.2466	0.2012
2022/11/09	21	6	0.3135	0.1841
2022/11/09	22	5.5	0.3134	0.1690
2022/11/09	23	6.7	0.2830	0.1653

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/10	00	7.7	0.1979	0.1640
2022/11/10	01	9.4	0.1609	0.1678
2022/11/10	02	10	0.1383	0.1758
2022/11/10	03	10.3	0.1408	0.1999
2022/11/10	04	10	0.1600	0.2340
2022/11/10	05	9.5	0.2003	0.2512
2022/11/10	06	8.7	0.2372	0.2366
2022/11/10	07	9.5	0.2450	0.1986
2022/11/10	08	10.6	0.2097	0.1609
2022/11/10	09	11.4	0.1739	0.1322
2022/11/10	10	13.1	0.1423	0.1088
2022/11/10	11	15.7	0.1238	0.0922
2022/11/10	12	15.8	0.1020	0.0823
2022/11/10	13	16.1	0.0894	0.0824
2022/11/10	14	16	0.0894	0.0960
2022/11/10	15	16.3	0.0985	0.1118
2022/11/10	16	16.4	0.1108	0.1241
2022/11/10	17	15.1	0.1173	0.1221
2022/11/10	18	15.9	0.1204	0.1164
2022/11/10	19	16	0.1155	0.1045
2022/11/10	20	15.4	0.1138	0.0924
2022/11/10	21	15.5	0.1057	0.0843
2022/11/10	22	14.9	0.0995	0.0807
2022/11/10	23	13.7	0.0910	0.0817
2022/11/11	00	13.1	0.0874	0.0812
2022/11/11	01	13.2	0.0867	0.0847
2022/11/11	02	11.5	0.0921	0.0936
2022/11/11	03	11.2	0.1013	0.1133
2022/11/11	04	10.8	0.1205	0.1445
2022/11/11	05	10.6	0.1601	0.1713
2022/11/11	06	10.3	0.2010	0.1767
2022/11/11	07	10.7	0.2231	0.1568
2022/11/11	08	10.6	0.2043	0.1275
2022/11/11	09	12	0.1694	0.1032
2022/11/11	10	13.7	0.1357	0.0880
2022/11/11	11	14.7	0.1201	0.0797
2022/11/11	12	16.1	0.1108	0.0779
2022/11/11	13	16.8	0.1110	0.0809
2022/11/11	14	17.1	0.1108	0.0932
2022/11/11	15	16.8	0.1205	0.1024
2022/11/11	16	15	0.1223	0.1068
2022/11/11	17	13.9	0.1202	0.1029
2022/11/11	18	14.1	0.1147	0.0976
2022/11/11	19	14	0.1092	0.0936
2022/11/11	20	14.2	0.1023	0.0843
2022/11/11	21	14.4	0.0916	0.0739
2022/11/11	22	13.8	0.0827	0.0619
2022/11/11	23	13.4	0.0769	0.0549

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/12	00	13.5	0.0716	0.0534
2022/11/12	01	13.6	0.0699	0.0554
2022/11/12	02	13.1	0.0697	0.0600
2022/11/12	03	13.5	0.0735	0.0688
2022/11/12	04	13.5	0.0841	0.0820
2022/11/12	05	13.5	0.1099	0.1023
2022/11/12	06	13.2	0.1444	0.1193
2022/11/12	07	12.6	0.1816	0.1366
2022/11/12	08	12.4	0.1985	0.1642
2022/11/12	09	12	0.1945	0.1718
2022/11/12	10	11.6	0.1700	0.1704
2022/11/12	11	10.5	0.1417	0.1420
2022/11/12	12	10	0.1250	0.1296
2022/11/12	13	9	0.1246	0.1275
2022/11/12	14	9	0.1418	0.1561
2022/11/12	15	8.3	0.1687	0.2014
2022/11/12	16	7.5	0.1967	0.2412
2022/11/12	17	7.3	0.2140	0.2188
2022/11/12	18	7	0.2235	0.1794
2022/11/12	19	6.7	0.2391	0.1488
2022/11/12	20	6.2	0.2580	0.1942
2022/11/12	21	6	0.2862	0.2391
2022/11/12	22	5.1	0.2931	0.2631
2022/11/12	23	4.4	0.2955	0.2318
2022/11/13	00	4.3	0.2657	0.2000
2022/11/13	01	2.4	0.2574	0.1876
2022/11/13	02	2	0.2545	0.2139
2022/11/13	03	2	0.2858	0.2387
2022/11/13	04	1.9	0.2920	0.2539
2022/11/13	05	1.6	0.2941	0.2319
2022/11/13	06	1	0.2646	0.2180
2022/11/13	07	0.9	0.2601	0.2044
2022/11/13	08	1	0.2752	0.2235
2022/11/13	09	0.3	0.3179	0.2441
2022/11/13	10	0.5	0.3410	0.2649
2022/11/13	11	0.5	0.3447	0.2458
2022/11/13	12	0.8	0.3362	0.2250
2022/11/13	13	1.2	0.3370	0.2083
2022/11/13	14	0.9	0.3455	0.2438
2022/11/13	15	0.3	0.3526	0.2760
2022/11/13	16	0	0.3556	0.3000
2022/11/13	17	-0.1	0.3459	0.2972
2022/11/13	18	-0.3	0.3413	0.2938
2022/11/13	19	-0.9	0.3386	0.2848
2022/11/13	20	-1.2	0.3345	0.2743
2022/11/13	21	-1.4	0.3170	0.2677
2022/11/13	22	-1.3	0.2905	0.2713
2022/11/13	23	-1.5	0.2721	0.2809

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/14	00	-1.7	0.2648	0.2890
2022/11/14	01	-1.8	0.2701	0.3044
2022/11/14	02	-1.6	0.2821	0.3367
2022/11/14	03	-1.6	0.3010	0.3861
2022/11/14	04	-1.9	0.3380	0.4258
2022/11/14	05	-2.2	0.3935	0.4253
2022/11/14	06	-2	0.4423	0.3916
2022/11/14	07	-2	0.4557	0.3400
2022/11/14	08	-1.8	0.4153	0.2946
2022/11/14	09	-0.8	0.3659	0.2699
2022/11/14	10	0.1	0.3342	0.2565
2022/11/14	11	0.3	0.3270	0.2576
2022/11/14	12	0.7	0.3244	0.2612
2022/11/14	13	1.8	0.3167	0.2889
2022/11/14	14	2.2	0.3149	0.3204
2022/11/14	15	1.6	0.3285	0.3357
2022/11/14	16	0.6	0.3390	0.3387
2022/11/14	17	-0.4	0.3429	0.3317
2022/11/14	18	-1.4	0.3368	0.3320
2022/11/14	19	-2.6	0.3351	0.3179
2022/11/14	20	-2.6	0.3338	0.2777
2022/11/14	21	-2.2	0.3196	0.2433
2022/11/14	22	-2.9	0.2982	0.2499
2022/11/14	23	-2.9	0.2794	0.2844
2022/11/15	00	-4.6	0.2738	0.3157
2022/11/15	01	-4.9	0.2765	0.3293
2022/11/15	02	-5.2	0.2866	0.3458
2022/11/15	03	-3.7	0.3028	0.3648
2022/11/15	04	-3.9	0.3388	0.4058
2022/11/15	05	-4.3	0.3992	0.4401
2022/11/15	06	-4.2	0.4547	0.4546
2022/11/15	07	-4.7	0.4630	0.4083
2022/11/15	08	-3.2	0.4188	0.3431
2022/11/15	09	-1.6	0.3633	0.2873
2022/11/15	10	-0.8	0.3355	0.2654
2022/11/15	11	-0.3	0.3325	0.2706
2022/11/15	12	-0.5	0.3298	0.2784
2022/11/15	13	-0.4	0.3297	0.2867
2022/11/15	14	-0.2	0.3354	#N/A
2022/11/15	15	-0.1	0.3560	#N/A
2022/11/15	16	-0.8	0.3637	#N/A
2022/11/15	17	-1	0.3634	#N/A
2022/11/15	18	-1.1	0.3524	#N/A
2022/11/15	19	-1.1	0.3451	#N/A
2022/11/15	20	-1.3	0.3367	#N/A
2022/11/15	21	-1.7	0.3197	#N/A
2022/11/15	22	-1.8	0.2979	#N/A
2022/11/15	23	-1.4	0.2756	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/16	00	-1.6	0.2672	#N/A
2022/11/16	01	-1.6	0.2742	#N/A
2022/11/16	02	-1.9	0.2864	#N/A
2022/11/16	03	-2	0.3039	#N/A
2022/11/16	04	-2.2	0.3382	#N/A
2022/11/16	05	-2.5	0.3994	#N/A
2022/11/16	06	-2.5	0.4536	#N/A
2022/11/16	07	-2.4	0.4675	#N/A
2022/11/16	08	-2.2	0.4353	#N/A
2022/11/16	09	-1.6	0.3939	#N/A
2022/11/16	10	-1.2	0.3512	#N/A
2022/11/16	11	-0.9	0.3225	#N/A
2022/11/16	12	-0.5	0.3081	#N/A
2022/11/16	13	-0.3	0.3207	#N/A
2022/11/16	14	0	0.3370	#N/A
2022/11/16	15	-0.1	0.3514	#N/A
2022/11/16	16	-0.2	0.3502	#N/A
2022/11/16	17	-0.3	0.3418	#N/A
2022/11/16	18	-0.5	0.3314	#N/A
2022/11/16	19	-0.7	0.3283	#N/A
2022/11/16	20	-1.1	0.3319	#N/A
2022/11/16	21	-1.7	0.3389	#N/A
2022/11/16	22	-2.6	0.3564	#N/A
2022/11/16	23	-2.2	0.3671	#N/A
2022/11/17	00	-2.2	0.3491	#N/A
2022/11/17	01	-2.1	0.3088	#N/A
2022/11/17	02	-2.1	0.2960	#N/A
2022/11/17	03	-2.4	0.3268	#N/A
2022/11/17	04	-2.3	0.3687	#N/A
2022/11/17	05	-2.5	0.3739	#N/A
2022/11/17	06	-3.4	0.3367	#N/A
2022/11/17	07	-3.7	0.3033	#N/A
2022/11/17	08	-3.5	0.3024	#N/A
2022/11/17	09	-3	0.3411	#N/A
2022/11/17	10	-2.5	0.3738	#N/A
2022/11/17	11	-2.3	0.3677	#N/A
2022/11/17	12	-2.1	0.3458	#N/A
2022/11/17	13	-2.7	0.3481	#N/A
2022/11/17	14	-2.9	0.3861	#N/A
2022/11/17	15	-3.3	0.3872	#N/A
2022/11/17	16	-3.7	0.3645	#N/A
2022/11/17	17	-4.3	0.3483	#N/A
2022/11/17	18	-4.9	0.3985	#N/A
2022/11/17	19	-6.9	0.4428	#N/A
2022/11/17	20	-7.2	0.4356	#N/A
2022/11/17	21	-6.8	0.3887	#N/A
2022/11/17	22	-7.7	0.3608	#N/A
2022/11/17	23	-8.5	0.3767	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/18	00	-9.2	0.3956	#N/A
2022/11/18	01	-10.5	0.3832	#N/A
2022/11/18	02	-8.9	0.3647	#N/A
2022/11/18	03	-7.5	0.3814	#N/A
2022/11/18	04	-7.1	0.4467	#N/A
2022/11/18	05	-6.7	0.5130	#N/A
2022/11/18	06	-6.2	0.5318	#N/A
2022/11/18	07	-6.2	0.4947	#N/A
2022/11/18	08	-5.8	0.4287	#N/A
2022/11/18	09	-5.8	0.3672	#N/A
2022/11/18	10	-5.4	0.3255	#N/A
2022/11/18	11	-5.3	0.3036	#N/A
2022/11/18	12	-4.8	0.2981	#N/A
2022/11/18	13	-4.4	0.3142	#N/A
2022/11/18	14	-3.9	0.3521	#N/A
2022/11/18	15	-3.6	0.3857	#N/A
2022/11/18	16	-3.7	0.4026	#N/A
2022/11/18	17	-4.7	0.4001	#N/A
2022/11/18	18	-4.7	0.3978	#N/A
2022/11/18	19	-4.7	0.3936	#N/A
2022/11/18	20	-5	0.3751	#N/A
2022/11/18	21	-5.3	0.3550	#N/A
2022/11/18	22	-4.9	0.3426	#N/A
2022/11/18	23	-5	0.3457	#N/A
2022/11/19	00	-5.8	0.3572	#N/A
2022/11/19	01	-5.7	0.3739	#N/A
2022/11/19	02	-6.3	0.3934	#N/A
2022/11/19	03	-6.6	0.4172	#N/A
2022/11/19	04	-7	0.4557	#N/A
2022/11/19	05	-6.1	0.4991	#N/A
2022/11/19	06	-6.3	0.5296	#N/A
2022/11/19	07	-6.4	0.5134	#N/A
2022/11/19	08	-6.2	0.4735	#N/A
2022/11/19	09	-3.8	0.4288	#N/A
2022/11/19	10	-2.2	0.3966	#N/A
2022/11/19	11	-1.1	0.3617	#N/A
2022/11/19	12	-0.3	0.3493	#N/A
2022/11/19	13	-0.7	0.3553	#N/A
2022/11/19	14	-0.8	0.3814	#N/A
2022/11/19	15	-1.9	0.3903	#N/A
2022/11/19	16	-2	0.3831	#N/A
2022/11/19	17	-2.3	0.3760	#N/A
2022/11/19	18	-3	0.3701	#N/A
2022/11/19	19	-2.8	0.3720	#N/A
2022/11/19	20	-3	0.3521	#N/A
2022/11/19	21	-3.1	0.3289	#N/A
2022/11/19	22	-2.7	0.3088	#N/A
2022/11/19	23	-3.7	0.3106	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/20	00	-3.6	0.3166	#N/A
2022/11/20	01	-4	0.3281	#N/A
2022/11/20	02	-4.2	0.3426	#N/A
2022/11/20	03	-4.6	0.3765	#N/A
2022/11/20	04	-4.3	0.4263	#N/A
2022/11/20	05	-5.3	0.4881	#N/A
2022/11/20	06	-5.3	0.5275	#N/A
2022/11/20	07	-5.3	0.5209	#N/A
2022/11/20	08	-5.9	0.4830	#N/A
2022/11/20	09	-5	0.4301	#N/A
2022/11/20	10	-4.2	0.4066	#N/A
2022/11/20	11	-3.7	0.3849	#N/A
2022/11/20	12	-4.6	0.3948	#N/A
2022/11/20	13	-5	0.4231	#N/A
2022/11/20	14	-5.3	0.4651	#N/A
2022/11/20	15	-5.9	0.4879	#N/A
2022/11/20	16	-6.5	0.4837	#N/A
2022/11/20	17	-7.4	0.4797	#N/A
2022/11/20	18	-8.1	0.4828	#N/A
2022/11/20	19	-8.4	0.4837	#N/A
2022/11/20	20	-9.3	0.4699	#N/A
2022/11/20	21	-11.4	0.4482	#N/A
2022/11/20	22	-12	0.4337	#N/A
2022/11/20	23	-11.7	0.4158	#N/A
2022/11/21	00	-11.9	0.4011	#N/A
2022/11/21	01	-12.4	0.3764	#N/A
2022/11/21	02	-10.1	0.3780	#N/A
2022/11/21	03	-9.5	0.3922	#N/A
2022/11/21	04	-9.8	0.4260	#N/A
2022/11/21	05	-9.1	0.4362	#N/A
2022/11/21	06	-9.2	0.4232	#N/A
2022/11/21	07	-8.1	0.3846	#N/A
2022/11/21	08	-6.7	0.3686	#N/A
2022/11/21	09	-5.5	0.4055	#N/A
2022/11/21	10	-4	0.4856	#N/A
2022/11/21	11	-2.8	0.5210	#N/A
2022/11/21	12	-1.2	0.4675	#N/A
2022/11/21	13	-0.8	0.3743	#N/A
2022/11/21	14	-0.5	0.3504	#N/A
2022/11/21	15	2.2	0.4130	#N/A
2022/11/21	16	2.8	0.4758	#N/A
2022/11/21	17	2.9	0.4687	#N/A
2022/11/21	18	3	0.4077	#N/A
2022/11/21	19	3.4	0.3594	#N/A
2022/11/21	20	2.9	0.3702	#N/A
2022/11/21	21	2.4	0.4049	#N/A
2022/11/21	22	0.5	0.4304	#N/A
2022/11/21	23	0.2	0.4229	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/22	00	-1.3	0.4299	#N/A
2022/11/22	01	-2.1	0.4735	#N/A
2022/11/22	02	-3	0.5094	#N/A
2022/11/22	03	-4.1	0.4936	#N/A
2022/11/22	04	-4.8	0.4416	#N/A
2022/11/22	05	-6	0.4332	#N/A
2022/11/22	06	-7.6	0.4648	#N/A
2022/11/22	07	-7.5	0.4735	#N/A
2022/11/22	08	-7.7	0.4366	#N/A
2022/11/22	09	-4.8	0.3915	#N/A
2022/11/22	10	-3.9	0.3764	#N/A
2022/11/22	11	-2.9	0.3781	#N/A
2022/11/22	12	-2.4	0.3802	#N/A
2022/11/22	13	-1.7	0.3842	#N/A
2022/11/22	14	-1.3	0.3904	#N/A
2022/11/22	15	-1.3	0.3873	#N/A
2022/11/22	16	-1.1	0.3783	#N/A
2022/11/22	17	-1.4	0.3662	#N/A
2022/11/22	18	-1.7	0.3562	#N/A
2022/11/22	19	-1.9	0.3460	#N/A
2022/11/22	20	-1.9	0.3263	#N/A
2022/11/22	21	-2	0.3023	#N/A
2022/11/22	22	-2.5	0.2815	#N/A
2022/11/22	23	-2.5	0.2715	#N/A
2022/11/23	00	-2.4	0.2740	#N/A
2022/11/23	01	-2.7	0.2800	#N/A
2022/11/23	02	-2.9	0.2932	#N/A
2022/11/23	03	-3	0.3298	#N/A
2022/11/23	04	-3.1	0.3896	#N/A
2022/11/23	05	-2.8	0.4479	#N/A
2022/11/23	06	-2.2	0.4637	#N/A
2022/11/23	07	-1.8	0.4312	#N/A
2022/11/23	08	-1.5	0.3816	#N/A
2022/11/23	09	-0.6	0.3409	#N/A
2022/11/23	10	0	0.3169	#N/A
2022/11/23	11	0.9	0.2963	#N/A
2022/11/23	12	1.2	0.2836	#N/A
2022/11/23	13	1.5	0.2920	#N/A
2022/11/23	14	1.9	0.3166	#N/A
2022/11/23	15	1.8	0.3316	#N/A
2022/11/23	16	1.5	0.3298	#N/A
2022/11/23	17	0.8	0.3200	#N/A
2022/11/23	18	-0.6	0.3203	#N/A
2022/11/23	19	-2.9	0.3158	#N/A
2022/11/23	20	-3.8	0.2960	#N/A
2022/11/23	21	-2.9	0.2702	#N/A
2022/11/23	22	-3.3	0.2478	#N/A
2022/11/23	23	-5.4	0.2427	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/24	00	-5	0.2450	#N/A
2022/11/24	01	-2.4	0.2540	#N/A
2022/11/24	02	-2.8	0.2690	#N/A
2022/11/24	03	-2.7	0.3041	#N/A
2022/11/24	04	-2.9	0.3579	#N/A
2022/11/24	05	-3.2	0.4082	#N/A
2022/11/24	06	-3.2	0.4270	#N/A
2022/11/24	07	-2.8	0.4032	#N/A
2022/11/24	08	-2.6	0.3665	#N/A
2022/11/24	09	-2	0.3230	#N/A
2022/11/24	10	-0.9	0.2904	#N/A
2022/11/24	11	0.2	0.2586	#N/A
2022/11/24	12	1.4	0.2406	#N/A
2022/11/24	13	2.5	0.2487	#N/A
2022/11/24	14	2.4	0.2723	#N/A
2022/11/24	15	2.5	0.2972	#N/A
2022/11/24	16	2.3	0.2985	#N/A
2022/11/24	17	1	0.2913	#N/A
2022/11/24	18	-0.1	0.2878	#N/A
2022/11/24	19	-0.4	0.2883	#N/A
2022/11/24	20	-0.8	0.2761	#N/A
2022/11/24	21	-1.6	0.2557	#N/A
2022/11/24	22	-2.4	0.2333	#N/A
2022/11/24	23	-2.4	0.2211	#N/A
2022/11/25	00	-2.1	0.2208	#N/A
2022/11/25	01	-2.1	0.2267	#N/A
2022/11/25	02	-1.9	0.2610	#N/A
2022/11/25	03	-2.1	0.2937	#N/A
2022/11/25	04	-1.8	0.3045	#N/A
2022/11/25	05	-1	0.2803	#N/A
2022/11/25	06	0.5	0.2743	#N/A
2022/11/25	07	2.9	0.3118	#N/A
2022/11/25	08	3.7	0.3448	#N/A
2022/11/25	09	4.5	0.3208	#N/A
2022/11/25	10	4.4	0.2710	#N/A
2022/11/25	11	4.8	0.2567	#N/A
2022/11/25	12	4.1	0.2939	#N/A
2022/11/25	13	3.9	0.3278	#N/A
2022/11/25	14	3.9	0.3201	#N/A
2022/11/25	15	3.7	0.2852	#N/A
2022/11/25	16	3.4	0.2649	#N/A
2022/11/25	17	3.2	0.2785	#N/A
2022/11/25	18	2.2	0.2997	#N/A
2022/11/25	19	2	0.3037	#N/A
2022/11/25	20	1.8	0.2926	#N/A
2022/11/25	21	1.8	0.3118	#N/A
2022/11/25	22	1.2	0.3556	#N/A
2022/11/25	23	0.9	0.3833	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/26	00	1	0.3570	#N/A
2022/11/26	01	0.6	0.3169	#N/A
2022/11/26	02	0.7	0.3158	#N/A
2022/11/26	03	0.6	0.3336	#N/A
2022/11/26	04	0.6	0.3263	#N/A
2022/11/26	05	1.1	0.2944	#N/A
2022/11/26	06	1.3	0.2771	#N/A
2022/11/26	07	0.1	0.2818	#N/A
2022/11/26	08	0	0.2779	#N/A
2022/11/26	09	2.4	0.2478	#N/A
2022/11/26	10	3.9	0.2026	#N/A
2022/11/26	11	5.7	0.1695	#N/A
2022/11/26	12	7.2	0.1614	#N/A
2022/11/26	13	8.8	0.1804	#N/A
2022/11/26	14	9.9	0.2025	#N/A
2022/11/26	15	10.3	0.2180	#N/A
2022/11/26	16	8.9	0.2205	#N/A
2022/11/26	17	7.3	0.2239	#N/A
2022/11/26	18	6.1	0.2304	#N/A
2022/11/26	19	6.4	0.2335	#N/A
2022/11/26	20	5.9	0.2296	#N/A
2022/11/26	21	4.9	0.2240	#N/A
2022/11/26	22	4.9	0.2267	#N/A
2022/11/26	23	4.4	0.2353	#N/A
2022/11/27	00	4.1	0.2494	#N/A
2022/11/27	01	4.1	0.2667	#N/A
2022/11/27	02	2.8	0.2981	#N/A
2022/11/27	03	3	0.3440	#N/A
2022/11/27	04	2.4	0.3973	#N/A
2022/11/27	05	1.8	0.4341	#N/A
2022/11/27	06	2.1	0.4342	#N/A
2022/11/27	07	1.9	0.4015	#N/A
2022/11/27	08	2.1	0.3555	#N/A
2022/11/27	09	4.6	0.3028	#N/A
2022/11/27	10	6.2	0.2613	#N/A
2022/11/27	11	7.2	0.2380	#N/A
2022/11/27	12	7.7	0.2428	#N/A
2022/11/27	13	8.7	0.2556	#N/A
2022/11/27	14	8.8	0.2595	#N/A
2022/11/27	15	8.1	0.2564	#N/A
2022/11/27	16	7.1	0.2534	#N/A
2022/11/27	17	6.2	0.2498	#N/A
2022/11/27	18	5	0.2459	#N/A
2022/11/27	19	4.7	0.2346	#N/A
2022/11/27	20	4	0.2202	#N/A
2022/11/27	21	4.4	0.2092	#N/A
2022/11/27	22	3.9	0.2086	#N/A
2022/11/27	23	3.8	0.2177	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/28	00	3.5	0.2321	#N/A
2022/11/28	01	3.2	0.2539	#N/A
2022/11/28	02	3	0.2963	#N/A
2022/11/28	03	2.3	0.3612	#N/A
2022/11/28	04	2.1	0.4174	#N/A
2022/11/28	05	2	0.4409	#N/A
2022/11/28	06	1.3	0.4189	#N/A
2022/11/28	07	1	0.3897	#N/A
2022/11/28	08	0.5	0.3650	#N/A
2022/11/28	09	0.6	0.3530	#N/A
2022/11/28	10	0.6	0.3448	#N/A
2022/11/28	11	0.9	0.3454	#N/A
2022/11/28	12	1.1	0.3595	#N/A
2022/11/28	13	0.9	0.3776	#N/A
2022/11/28	14	1	0.3839	#N/A
2022/11/28	15	0.8	0.3753	#N/A
2022/11/28	16	0.3	0.3679	#N/A
2022/11/28	17	-0.2	0.3650	#N/A
2022/11/28	18	-0.7	0.3586	#N/A
2022/11/28	19	-0.8	0.3371	#N/A
2022/11/28	20	-1.1	0.3083	#N/A
2022/11/28	21	-1.1	0.2880	#N/A
2022/11/28	22	-1.3	0.2792	#N/A
2022/11/28	23	-1.6	0.2832	#N/A
2022/11/29	00	-1.8	0.2921	#N/A
2022/11/29	01	-1.8	0.3103	#N/A
2022/11/29	02	-1.9	0.3467	#N/A
2022/11/29	03	-1.8	0.4071	#N/A
2022/11/29	04	-2	0.4637	#N/A
2022/11/29	05	-1.7	0.4572	#N/A
2022/11/29	06	-1.9	0.3931	#N/A
2022/11/29	07	-1.6	0.3146	#N/A
2022/11/29	08	-1.7	0.3018	#N/A
2022/11/29	09	-1.3	0.3244	#N/A
2022/11/29	10	-1.1	0.3452	#N/A
2022/11/29	11	-0.4	0.3301	#N/A
2022/11/29	12	-0.3	0.3038	#N/A
2022/11/29	13	0	0.2954	#N/A
2022/11/29	14	0.6	0.3181	#N/A
2022/11/29	15	0.8	0.3369	#N/A
2022/11/29	16	-0.6	0.3470	#N/A
2022/11/29	17	-1.2	0.3411	#N/A
2022/11/29	18	-1.4	0.3729	#N/A
2022/11/29	19	-1.5	0.4154	#N/A
2022/11/29	20	-1.8	0.4271	#N/A
2022/11/29	21	-1.7	0.4010	#N/A
2022/11/29	22	-1.9	0.3667	#N/A
2022/11/29	23	-2.2	0.3704	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/11/30	00	-1.5	0.3769	#N/A
2022/11/30	01	-0.8	0.3742	#N/A
2022/11/30	02	-0.7	0.3557	#N/A
2022/11/30	03	-0.8	0.3475	#N/A
2022/11/30	04	-1	0.3485	#N/A
2022/11/30	05	-0.3	0.3505	#N/A
2022/11/30	06	0.1	0.3406	#N/A
2022/11/30	07	0.5	0.3249	#N/A
2022/11/30	08	0.7	0.3128	#N/A
2022/11/30	09	0.7	0.3121	#N/A
2022/11/30	10	1.2	0.3024	#N/A
2022/11/30	11	1.8	0.2937	#N/A
2022/11/30	12	2.2	0.2917	#N/A
2022/11/30	13	3	0.3087	#N/A
2022/11/30	14	6	0.3231	#N/A
2022/11/30	15	6.9	0.3253	#N/A
2022/11/30	16	7	0.3237	#N/A
2022/11/30	17	4.2	0.3280	#N/A
2022/11/30	18	3.3	0.3264	#N/A
2022/11/30	19	2.8	0.3131	#N/A
2022/11/30	20	1.6	0.2905	#N/A
2022/11/30	21	0.7	0.2759	#N/A
2022/11/30	22	0.4	0.2728	#N/A
2022/11/30	23	-0.3	0.2797	#N/A
2022/12/01	00	-0.6	0.2909	#N/A
2022/12/01	01	-1.1	0.3100	#N/A
2022/12/01	02	-1.2	0.3448	#N/A
2022/12/01	03	-1	0.4038	#N/A
2022/12/01	04	-0.8	0.4572	#N/A
2022/12/01	05	-0.7	0.4807	#N/A
2022/12/01	06	-1.2	0.4572	#N/A
2022/12/01	07	-1.4	0.4205	#N/A
2022/12/01	08	-1	0.3819	#N/A
2022/12/01	09	-0.9	0.3501	#N/A
2022/12/01	10	-0.3	0.3224	#N/A
2022/12/01	11	0.8	0.3042	#N/A
2022/12/01	12	0.9	0.3139	#N/A
2022/12/01	13	0.9	0.3462	#N/A
2022/12/01	14	1	0.3763	#N/A
2022/12/01	15	1.1	0.3839	#N/A
2022/12/01	16	0.5	0.3775	#N/A
2022/12/01	17	-0.2	0.3766	#N/A
2022/12/01	18	-1.9	0.3769	#N/A
2022/12/01	19	-2.3	0.3637	#N/A
2022/12/01	20	-2.1	0.3432	#N/A
2022/12/01	21	-2.9	0.3267	#N/A
2022/12/01	22	-2.6	0.3195	#N/A
2022/12/01	23	-3.2	0.3211	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/02	00	-3.4	0.3255	#N/A
2022/12/02	01	-3.9	0.3389	#N/A
2022/12/02	02	-3.4	0.3680	#N/A
2022/12/02	03	-3.5	0.4252	#N/A
2022/12/02	04	-2.9	0.4769	#N/A
2022/12/02	05	-2.5	0.4983	#N/A
2022/12/02	06	-2	0.4652	#N/A
2022/12/02	07	-2	0.4214	#N/A
2022/12/02	08	-1.3	0.3825	#N/A
2022/12/02	09	-0.2	0.3627	#N/A
2022/12/02	10	1.2	0.3434	#N/A
2022/12/02	11	1.7	0.3367	#N/A
2022/12/02	12	1.8	0.3342	#N/A
2022/12/02	13	2.1	0.3465	#N/A
2022/12/02	14	2	0.3444	#N/A
2022/12/02	15	1.7	0.3346	#N/A
2022/12/02	16	1.5	0.3205	#N/A
2022/12/02	17	1.4	0.3082	#N/A
2022/12/02	18	1.8	0.3011	#N/A
2022/12/02	19	2.2	0.2828	#N/A
2022/12/02	20	2.4	0.2595	#N/A
2022/12/02	21	2.6	0.2376	#N/A
2022/12/02	22	2.1	0.2249	#N/A
2022/12/02	23	2.2	0.2234	#N/A
2022/12/03	00	2.5	0.2251	#N/A
2022/12/03	01	2.7	0.2308	#N/A
2022/12/03	02	3.1	0.2511	#N/A
2022/12/03	03	3.8	0.2933	#N/A
2022/12/03	04	4.5	0.3393	#N/A
2022/12/03	05	4.7	0.3686	#N/A
2022/12/03	06	5.1	0.3670	#N/A
2022/12/03	07	5.4	0.3434	#N/A
2022/12/03	08	6.6	0.3136	#N/A
2022/12/03	09	6.4	0.2863	#N/A
2022/12/03	10	6.8	0.2751	#N/A
2022/12/03	11	7.3	0.2715	#N/A
2022/12/03	12	8	0.2675	#N/A
2022/12/03	13	8.1	0.2826	#N/A
2022/12/03	14	8.6	0.3210	#N/A
2022/12/03	15	6.8	0.3416	#N/A
2022/12/03	16	5	0.3376	#N/A
2022/12/03	17	4	0.3371	#N/A
2022/12/03	18	3.7	0.3967	#N/A
2022/12/03	19	3.5	0.4664	#N/A
2022/12/03	20	1.5	0.4751	#N/A
2022/12/03	21	0.6	0.4219	#N/A
2022/12/03	22	-0.5	0.3587	#N/A
2022/12/03	23	-0.9	0.3546	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/04	00	-1.9	0.3864	#N/A
2022/12/04	01	-2.8	0.4121	#N/A
2022/12/04	02	-3.3	0.3979	#N/A
2022/12/04	03	-3.3	0.3667	#N/A
2022/12/04	04	-4.3	0.3336	#N/A
2022/12/04	05	-5	0.3269	#N/A
2022/12/04	06	-6	0.3363	#N/A
2022/12/04	07	-6.6	0.3565	#N/A
2022/12/04	08	-5	0.3618	#N/A
2022/12/04	09	-4.4	0.3385	#N/A
2022/12/04	10	-3.7	0.3154	#N/A
2022/12/04	11	-2.9	0.3103	#N/A
2022/12/04	12	-2	0.3369	#N/A
2022/12/04	13	-1.1	0.3569	#N/A
2022/12/04	14	0.6	0.3564	#N/A
2022/12/04	15	1	0.3421	#N/A
2022/12/04	16	0.6	0.3448	#N/A
2022/12/04	17	-1	0.3604	#N/A
2022/12/04	18	-0.5	0.3742	#N/A
2022/12/04	19	-1	0.3705	#N/A
2022/12/04	20	-0.8	0.3531	#N/A
2022/12/04	21	-1.5	0.3258	#N/A
2022/12/04	22	-1.2	0.2963	#N/A
2022/12/04	23	-0.8	0.2743	#N/A
2022/12/05	00	-0.6	0.2668	#N/A
2022/12/05	01	-0.3	0.2697	#N/A
2022/12/05	02	0.3	0.2773	#N/A
2022/12/05	03	0.4	0.2947	#N/A
2022/12/05	04	0.5	0.3323	#N/A
2022/12/05	05	0.9	0.3914	#N/A
2022/12/05	06	0.8	0.4431	#N/A
2022/12/05	07	0	0.4608	#N/A
2022/12/05	08	0.5	0.4271	#N/A
2022/12/05	09	0.8	0.3783	#N/A
2022/12/05	10	1.9	0.3369	#N/A
2022/12/05	11	3	0.3196	#N/A
2022/12/05	12	3.5	0.3065	#N/A
2022/12/05	13	5.5	0.2957	#N/A
2022/12/05	14	4.7	0.3003	#N/A
2022/12/05	15	4.2	0.3156	#N/A
2022/12/05	16	4	0.3243	#N/A
2022/12/05	17	4	0.3188	#N/A
2022/12/05	18	3.6	0.3081	#N/A
2022/12/05	19	3.4	0.3040	#N/A
2022/12/05	20	3.5	0.2929	#N/A
2022/12/05	21	4	0.2760	#N/A
2022/12/05	22	4.2	0.2514	#N/A
2022/12/05	23	4.4	0.2357	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/06	00	4.8	0.2273	#N/A
2022/12/06	01	4.4	0.2314	#N/A
2022/12/06	02	4	0.2376	#N/A
2022/12/06	03	4.4	0.2525	#N/A
2022/12/06	04	4.3	0.2862	#N/A
2022/12/06	05	3.3	0.3431	#N/A
2022/12/06	06	3	0.3924	#N/A
2022/12/06	07	3.5	0.4098	#N/A
2022/12/06	08	3.6	0.3864	#N/A
2022/12/06	09	3.2	0.3528	#N/A
2022/12/06	10	4	0.3215	#N/A
2022/12/06	11	4.5	0.3031	#N/A
2022/12/06	12	4.6	0.2879	#N/A
2022/12/06	13	4	0.2867	#N/A
2022/12/06	14	3.6	0.2911	#N/A
2022/12/06	15	3.1	0.3045	#N/A
2022/12/06	16	2.7	0.3040	#N/A
2022/12/06	17	2.4	0.2996	#N/A
2022/12/06	18	2	0.2906	#N/A
2022/12/06	19	1.8	0.2855	#N/A
2022/12/06	20	1.8	0.2757	#N/A
2022/12/06	21	1.7	0.2581	#N/A
2022/12/06	22	2	0.2366	#N/A
2022/12/06	23	2.1	0.2191	#N/A
2022/12/07	00	2.2	0.2082	#N/A
2022/12/07	01	3	0.2071	#N/A
2022/12/07	02	3	0.2113	#N/A
2022/12/07	03	3.1	0.2242	#N/A
2022/12/07	04	3.4	0.2600	#N/A
2022/12/07	05	3.6	0.3165	#N/A
2022/12/07	06	3.6	0.3673	#N/A
2022/12/07	07	4	0.3806	#N/A
2022/12/07	08	3.5	0.3511	#N/A
2022/12/07	09	3.6	0.3143	#N/A
2022/12/07	10	4.1	0.2855	#N/A
2022/12/07	11	4.1	0.2700	#N/A
2022/12/07	12	4.2	0.2600	#N/A
2022/12/07	13	4	0.2584	#N/A
2022/12/07	14	4.2	0.2671	#N/A
2022/12/07	15	4.3	0.2778	#N/A
2022/12/07	16	4.1	0.2801	#N/A
2022/12/07	17	4.1	0.2871	#N/A
2022/12/07	18	4.1	0.2938	#N/A
2022/12/07	19	4	0.3065	#N/A
2022/12/07	20	3.8	0.2993	#N/A
2022/12/07	21	3.3	0.2864	#N/A
2022/12/07	22	3.4	0.2706	#N/A
2022/12/07	23	3.1	0.2708	#N/A

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/08	00	3	0.2806	#N/A
2022/12/08	01	2.7	0.2960	#N/A
2022/12/08	02	2.5	0.3005	#N/A
2022/12/08	03	2.6	0.2822	#N/A
2022/12/08	04	2.2	0.2502	#N/A
2022/12/08	05	1.7	0.2387	#N/A
2022/12/08	06	1.4	0.2721	#N/A
2022/12/08	07	0.2	0.3114	#N/A
2022/12/08	08	0.3	0.3186	#N/A
2022/12/08	09	0	0.2776	#N/A
2022/12/08	10	0.9	0.2390	#N/A
2022/12/08	11	1.3	0.2344	#N/A
2022/12/08	12	1.7	0.2720	#N/A
2022/12/08	13	2.5	0.3137	#N/A
2022/12/08	14	2.2	0.3173	#N/A
2022/12/08	15	2.4	0.2951	#N/A
2022/12/08	16	1.2	0.2870	#N/A
2022/12/08	17	0.1	0.3222	#N/A
2022/12/08	18	-1	0.3339	#N/A
2022/12/08	19	-1.2	0.3196	#N/A
2022/12/08	20	-2	0.2948	#N/A
2022/12/08	21	-2.3	0.3299	#N/A
2022/12/08	22	-2.9	0.3718	#N/A
2022/12/08	23	-3	0.3729	#N/A
2022/12/09	00	-3.6	0.3300	#N/A
2022/12/09	01	-4.2	0.2962	#N/A
2022/12/09	02	-4	0.2955	#N/A
2022/12/09	03	-4.6	0.3224	#N/A
2022/12/09	04	-5.4	0.3635	#N/A
2022/12/09	05	-5.4	0.4340	#N/A
2022/12/09	06	-5.4	0.4979	#N/A
2022/12/09	07	-5.2	0.5268	#N/A
2022/12/09	08	-5.3	0.4992	0.5011
2022/12/09	09	-4.9	0.4406	0.3976
2022/12/09	10	-3.9	0.3840	0.3746
2022/12/09	11	-2.9	0.3454	0.3278
2022/12/09	12	-2.3	0.3269	0.2727
2022/12/09	13	-1.6	0.3253	0.2443
2022/12/09	14	-1.2	0.3517	0.2623
2022/12/09	15	-1.1	0.3944	0.3065
2022/12/09	16	-2	0.4288	0.3514
2022/12/09	17	-3.3	0.4374	0.3749
2022/12/09	18	-4.5	0.4326	0.3820
2022/12/09	19	-5.3	0.4332	0.3914
2022/12/09	20	-6	0.4292	0.3967
2022/12/09	21	-6.6	0.4157	0.3854
2022/12/09	22	-7.3	0.3940	0.3786
2022/12/09	23	-7.8	0.3809	0.3717

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/10	00	-9	0.3811	0.3827
2022/12/10	01	-9.4	0.3957	0.3969
2022/12/10	02	-10.4	0.4159	0.4218
2022/12/10	03	-10	0.4416	0.4502
2022/12/10	04	-11	0.4786	0.4856
2022/12/10	05	-11.2	0.5311	0.5303
2022/12/10	06	-11.2	0.5877	0.5754
2022/12/10	07	-11.4	0.6226	0.5968
2022/12/10	08	-11	0.6147	0.5953
2022/12/10	09	-9.7	0.5657	0.5611
2022/12/10	10	-8.5	0.4960	0.5125
2022/12/10	11	-6.7	0.4359	0.4821
2022/12/10	12	-6.2	0.3963	0.4629
2022/12/10	13	-5.2	0.3849	0.4478
2022/12/10	14	-5.3	0.3981	0.4334
2022/12/10	15	-5.3	0.4284	0.4461
2022/12/10	16	-6.6	0.4505	0.4649
2022/12/10	17	-7.5	0.4559	0.4738
2022/12/10	18	-7.7	0.4485	0.4747
2022/12/10	19	-7.6	0.4443	0.4847
2022/12/10	20	-7.8	0.4346	0.4804
2022/12/10	21	-7.9	0.4171	0.4526
2022/12/10	22	-8.1	0.3910	0.4228
2022/12/10	23	-8.5	0.3708	0.4036
2022/12/11	00	-8.5	0.3633	0.4110
2022/12/11	01	-8.3	0.3702	0.4181
2022/12/11	02	-8.3	0.3810	0.4325
2022/12/11	03	-8.4	0.4008	0.4420
2022/12/11	04	-8.5	0.4293	0.4703
2022/12/11	05	-8.8	0.4766	0.5072
2022/12/11	06	-8.9	0.5266	0.5422
2022/12/11	07	-8.8	0.5639	0.5627
2022/12/11	08	-8.5	0.5713	0.5588
2022/12/11	09	-8	0.5517	0.5437
2022/12/11	10	-7.6	0.5200	0.5170
2022/12/11	11	-7.2	0.4885	0.4972
2022/12/11	12	-6.6	0.4665	0.4748
2022/12/11	13	-6.3	0.4482	0.4614
2022/12/11	14	-6	0.4371	0.4558
2022/12/11	15	-6.1	0.4303	0.4557
2022/12/11	16	-6	0.4282	0.4532
2022/12/11	17	-6.3	0.4217	0.4422
2022/12/11	18	-6.3	0.4190	0.4360
2022/12/11	19	-6.3	0.4133	0.4402
2022/12/11	20	-6.4	0.3971	0.4342
2022/12/11	21	-6.7	0.3663	0.4171
2022/12/11	22	-8.2	0.3580	0.3854
2022/12/11	23	-7	0.3715	0.3703

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/12	00	-6.4	0.3770	0.3744
2022/12/12	01	-6.2	0.3537	0.3896
2022/12/12	02	-5.9	0.3407	0.4038
2022/12/12	03	-5.7	0.3644	0.4193
2022/12/12	04	-4.9	0.3978	0.4542
2022/12/12	05	-4.8	0.4065	0.5010
2022/12/12	06	-5.2	0.3748	0.5432
2022/12/12	07	-6	0.3471	0.5346
2022/12/12	08	-8.4	0.3462	0.4769
2022/12/12	09	-7.4	0.3818	0.3938
2022/12/12	10	-6.5	0.4117	0.3245
2022/12/12	11	-6.1	0.4071	0.2826
2022/12/12	12	-5	0.3916	0.2624
2022/12/12	13	-5	0.4007	0.2680
2022/12/12	14	-4.4	0.4361	0.3046
2022/12/12	15	-4.5	0.4346	0.3681
2022/12/12	16	-6.4	0.4079	0.4235
2022/12/12	17	-6.2	0.3925	0.4584
2022/12/12	18	-8.5	0.4478	0.4668
2022/12/12	19	-9.1	0.4944	0.4713
2022/12/12	20	-9.6	0.4878	0.4232
2022/12/12	21	-8.3	0.4365	0.3729
2022/12/12	22	-8.5	0.4123	0.3448
2022/12/12	23	-8	0.4290	0.3863
2022/12/13	00	-11.2	0.4321	0.4178
2022/12/13	01	-11.4	0.4017	0.4293
2022/12/13	02	-11.3	0.3771	0.4288
2022/12/13	03	-10.7	0.4137	0.4410
2022/12/13	04	-10.7	0.5090	0.4514
2022/12/13	05	-11.9	0.5929	0.4483
2022/12/13	06	-12.6	0.6241	0.4552
2022/12/13	07	-12.1	0.5821	0.4672
2022/12/13	08	-12.4	0.5197	0.4661
2022/12/13	09	-9.7	0.4504	0.4526
2022/12/13	10	-8.2	0.4081	0.4284
2022/12/13	11	-7	0.3720	0.4516
2022/12/13	12	-5.5	0.3599	0.4852
2022/12/13	13	-4.3	0.3716	0.5442
2022/12/13	14	-3.3	0.4053	0.5111
2022/12/13	15	-3	0.4264	0.4566
2022/12/13	16	-4	0.4342	0.3859
2022/12/13	17	-5.7	0.4295	0.4522
2022/12/13	18	-4.7	0.4311	0.5324
2022/12/13	19	-4.2	0.4185	0.5841
2022/12/13	20	-4.7	0.3901	0.5138
2022/12/13	21	-4.7	0.3586	0.4509
2022/12/13	22	-5.1	0.3391	0.4213
2022/12/13	23	-5.2	0.3436	0.4301

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/14	00	-6.4	0.3575	0.4083
2022/12/14	01	-7	0.3780	0.3735
2022/12/14	02	-8	0.4051	0.3949
2022/12/14	03	-8.4	0.4538	0.4635
2022/12/14	04	-8.9	0.5208	0.5547
2022/12/14	05	-9.1	0.5814	0.5916
2022/12/14	06	-9.8	0.5972	0.5737
2022/12/14	07	-11.2	0.5568	0.5002
2022/12/14	08	-10.1	0.4912	0.4131
2022/12/14	09	-8.7	0.4285	0.3410
2022/12/14	10	-7.5	0.3851	0.2973
2022/12/14	11	-6.4	0.3565	0.2771
2022/12/14	12	-4.5	0.3512	0.2846
2022/12/14	13	-3.5	0.3685	0.3205
2022/12/14	14	-2.9	0.4013	0.3821
2022/12/14	15	-2.7	0.4187	0.4275
2022/12/14	16	-4.2	0.4221	0.4480
2022/12/14	17	-4.2	0.4150	0.4426
2022/12/14	18	-5.1	0.4128	0.4361
2022/12/14	19	-6.2	0.4060	0.4196
2022/12/14	20	-4.3	0.3810	0.3932
2022/12/14	21	-4.8	0.3509	0.3607
2022/12/14	22	-6.5	0.3236	0.3448
2022/12/14	23	-6.2	0.3171	0.3420
2022/12/15	00	-5.5	0.3215	0.3515
2022/12/15	01	-4.8	0.3340	0.3627
2022/12/15	02	-3.8	0.3481	0.3769
2022/12/15	03	-2.8	0.3796	0.4131
2022/12/15	04	-1.4	0.4302	0.4523
2022/12/15	05	0.1	0.4772	0.4793
2022/12/15	06	0.7	0.4875	0.4665
2022/12/15	07	1	0.4590	0.4270
2022/12/15	08	0.9	0.4258	0.3819
2022/12/15	09	1.2	0.4005	0.3474
2022/12/15	10	1.2	0.3872	0.3153
2022/12/15	11	1.1	0.3701	0.3001
2022/12/15	12	1.5	0.3557	0.3012
2022/12/15	13	1.8	0.3523	0.3330
2022/12/15	14	2.2	0.3554	0.3598
2022/12/15	15	2.3	0.3558	0.3630
2022/12/15	16	2.4	0.3407	0.3472
2022/12/15	17	2.3	0.3287	0.3346
2022/12/15	18	2	0.3222	0.3266
2022/12/15	19	1.9	0.3176	0.3142
2022/12/15	20	1.5	0.2997	0.2904
2022/12/15	21	1.4	0.2792	0.2705
2022/12/15	22	1.3	0.2598	0.2608
2022/12/15	23	1.3	0.2621	0.2578

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/16	00	0.5	0.2805	0.2665
2022/12/16	01	0	0.3020	0.2833
2022/12/16	02	0	0.3051	0.3116
2022/12/16	03	0.1	0.2863	0.3541
2022/12/16	04	0.2	0.2735	0.4018
2022/12/16	05	0.2	0.2772	0.4365
2022/12/16	06	0	0.2949	0.4442
2022/12/16	07	-0.2	0.3034	0.4299
2022/12/16	08	-0.6	0.2941	0.4084
2022/12/16	09	-0.7	0.3029	0.3825
2022/12/16	10	-0.6	0.3424	0.3599
2022/12/16	11	-0.7	0.3717	0.3446
2022/12/16	12	-0.6	0.3509	0.3483
2022/12/16	13	-0.7	0.2936	0.3606
2022/12/16	14	-0.8	0.2796	0.3769
2022/12/16	15	-0.8	0.3210	0.3695
2022/12/16	16	-0.7	0.3627	0.3562
2022/12/16	17	-0.7	0.3534	0.3385
2022/12/16	18	-0.5	0.3066	0.3327
2022/12/16	19	-0.2	0.2721	0.3281
2022/12/16	20	-0.2	0.2803	0.3131
2022/12/16	21	-0.3	0.3061	0.2899
2022/12/16	22	-0.4	0.3295	0.2650
2022/12/16	23	-0.4	0.3239	0.2704
2022/12/17	00	-0.5	0.3183	0.3009
2022/12/17	01	-0.6	0.3291	0.3283
2022/12/17	02	-0.7	0.3582	0.3150
2022/12/17	03	-1	0.3677	0.2888
2022/12/17	04	-1.2	0.3580	0.2762
2022/12/17	05	-1.7	0.3536	0.3006
2022/12/17	06	-2	0.3767	0.3213
2022/12/17	07	-2	0.3949	0.3316
2022/12/17	08	-2	0.3864	0.3285
2022/12/17	09	-1.2	0.3547	0.3356
2022/12/17	10	-0.6	0.3307	0.3490
2022/12/17	11	-0.6	0.3206	0.3445
2022/12/17	12	-0.3	0.3222	0.3224
2022/12/17	13	-0.1	0.3274	0.2982
2022/12/17	14	0	0.3330	0.3211
2022/12/17	15	0.2	0.3342	0.3515
2022/12/17	16	0.2	0.3231	0.3686
2022/12/17	17	0	0.3166	0.3415
2022/12/17	18	-0.3	0.3085	0.3178
2022/12/17	19	-0.6	0.3030	0.3109
2022/12/17	20	-0.4	0.2835	0.3140
2022/12/17	21	-0.6	0.2688	0.3132
2022/12/17	22	-0.7	0.2549	0.3059
2022/12/17	23	-1	0.2561	0.3114

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/18	00	-1.2	0.2541	0.3383
2022/12/18	01	-1.3	0.2631	0.3803
2022/12/18	02	-1.6	0.2767	0.3927
2022/12/18	03	-1.9	0.3085	0.4047
2022/12/18	04	-3.1	0.3593	0.3930
2022/12/18	05	-3.7	0.4169	0.4241
2022/12/18	06	-4.9	0.4620	0.4360
2022/12/18	07	-5.7	0.4685	0.4215
2022/12/18	08	-5.9	0.4482	0.3725
2022/12/18	09	-5.4	0.3985	0.3103
2022/12/18	10	-4.7	0.3513	0.2883
2022/12/18	11	-3.4	0.3271	0.2757
2022/12/18	12	-3.1	0.3321	0.2739
2022/12/18	13	-2.3	0.3506	0.2851
2022/12/18	14	-2.2	0.3561	0.3134
2022/12/18	15	-1.8	0.3613	0.3413
2022/12/18	16	-1.9	0.3559	0.3536
2022/12/18	17	-2	0.3500	0.3483
2022/12/18	18	-1.7	0.3464	0.3485
2022/12/18	19	-3.4	0.3489	0.3412
2022/12/18	20	-4	0.3444	0.3315
2022/12/18	21	-4.1	0.3222	0.3159
2022/12/18	22	-5.3	0.2937	0.3109
2022/12/18	23	-6	0.2714	0.3142
2022/12/19	00	-6.4	0.2672	0.3227
2022/12/19	01	-7.9	0.2715	0.3340
2022/12/19	02	-7.2	0.2820	0.3480
2022/12/19	03	-8.7	0.2955	0.3825
2022/12/19	04	-6.9	0.3312	0.4264
2022/12/19	05	-5.8	0.3872	0.4637
2022/12/19	06	-6	0.4404	0.4688
2022/12/19	07	-6.6	0.4591	0.4420
2022/12/19	08	-6.8	0.4373	0.4070
2022/12/19	09	-5.8	0.4020	0.3717
2022/12/19	10	-3.9	0.3683	0.3449
2022/12/19	11	-3	0.3513	0.3364
2022/12/19	12	-2.6	0.3526	0.3436
2022/12/19	13	-2	0.3664	0.3674
2022/12/19	14	-1.5	0.3875	0.3830
2022/12/19	15	-1.1	0.4061	0.3830
2022/12/19	16	-1	0.4165	0.3721
2022/12/19	17	-1.2	0.4147	0.3570
2022/12/19	18	-1.9	0.4055	0.3507
2022/12/19	19	-3	0.3971	0.3485
2022/12/19	20	-4.1	0.3866	0.3396
2022/12/19	21	-4.5	0.3616	0.3265
2022/12/19	22	-4.4	0.3347	0.3127
2022/12/19	23	-5.5	0.3147	0.3182

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/20	00	-5.9	0.3155	0.3330
2022/12/20	01	-7.8	0.3321	0.3551
2022/12/20	02	-7.6	0.3544	0.3805
2022/12/20	03	-7	0.3849	0.4209
2022/12/20	04	-7.6	0.4327	0.4734
2022/12/20	05	-7.9	0.5006	0.5083
2022/12/20	06	-7.4	0.5682	0.5104
2022/12/20	07	-8	0.5959	0.4511
2022/12/20	08	-8.7	0.5780	0.3732
2022/12/20	09	-8.8	0.5283	0.3200
2022/12/20	10	-6.7	0.4847	0.3016
2022/12/20	11	-6.5	0.4566	0.2973
2022/12/20	12	-5.6	0.4461	0.3060
2022/12/20	13	-5.1	0.4378	0.3441
2022/12/20	14	-4.7	0.4399	0.3952
2022/12/20	15	-4.9	0.4471	0.4138
2022/12/20	16	-5.7	0.4511	0.4148
2022/12/20	17	-6.9	0.4443	0.4104
2022/12/20	18	-5.5	0.4282	0.4126
2022/12/20	19	-5.5	0.4185	0.3949
2022/12/20	20	-5.3	0.4028	0.3727
2022/12/20	21	-5.3	0.3774	0.3451
2022/12/20	22	-5.5	0.3482	0.3283
2022/12/20	23	-5	0.3233	0.3227
2022/12/21	00	-5.4	0.3129	0.3296
2022/12/21	01	-5.4	0.3114	0.3440
2022/12/21	02	-5.3	0.3206	0.3593
2022/12/21	03	-5.2	0.3394	0.3782
2022/12/21	04	-5	0.3773	0.3864
2022/12/21	05	-4.6	0.4343	0.3938
2022/12/21	06	-4	0.4850	0.4084
2022/12/21	07	-3.9	0.5077	0.4397
2022/12/21	08	-4.6	0.4766	0.4269
2022/12/21	09	-3.5	0.4268	0.3992
2022/12/21	10	-2.3	0.3676	0.3646
2022/12/21	11	-1.3	0.3407	0.3951
2022/12/21	12	-0.6	0.3353	0.4171
2022/12/21	13	-0.6	0.3476	0.4128
2022/12/21	14	-3.5	0.3737	0.3960
2022/12/21	15	-3.7	0.4103	0.3919
2022/12/21	16	-4.3	0.4478	0.4215
2022/12/21	17	-4.8	0.4653	0.3805
2022/12/21	18	-5.2	0.4680	0.3264
2022/12/21	19	-7.1	0.4694	0.2657
2022/12/21	20	-8.1	0.4686	0.3374
2022/12/21	21	-7.3	0.4613	0.4322
2022/12/21	22	-8.1	0.4545	0.5139
2022/12/21	23	-8.8	0.4522	0.4474

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/22	00	-8.9	0.4428	0.3798
2022/12/22	01	-10.1	0.4338	0.3211
2022/12/22	02	-11.2	0.4328	0.3952
2022/12/22	03	-11.1	0.4426	0.4415
2022/12/22	04	-12	0.4468	0.4556
2022/12/22	05	-11.1	0.4445	0.4188
2022/12/22	06	-9.9	0.4438	0.3925
2022/12/22	07	-9.6	0.4440	0.3920
2022/12/22	08	-9.1	0.4425	0.3578
2022/12/22	09	-8.6	0.4359	0.3264
2022/12/22	10	-7.5	0.4344	0.3095
2022/12/22	11	-5.8	0.4368	0.3323
2022/12/22	12	-5.4	0.4505	0.3757
2022/12/22	13	-4.6	0.4623	0.4124
2022/12/22	14	-4	0.4574	0.4276
2022/12/22	15	-4.6	0.4320	0.4201
2022/12/22	16	-4.7	0.4131	0.4113
2022/12/22	17	-5.1	0.4415	0.4008
2022/12/22	18	-4.9	0.4903	0.3873
2022/12/22	19	-4.5	0.5034	0.3598
2022/12/22	20	-3.9	0.4572	0.3364
2022/12/22	21	-3.5	0.3936	0.3202
2022/12/22	22	-2.6	0.3813	0.3199
2022/12/22	23	-1.9	0.4044	0.3306
2022/12/23	00	-1.5	0.4369	0.3424
2022/12/23	01	-1.3	0.4237	0.3667
2022/12/23	02	-0.4	0.3960	0.4054
2022/12/23	03	-0.4	0.3789	0.4468
2022/12/23	04	0	0.3981	0.4756
2022/12/23	05	0.2	0.4265	0.4769
2022/12/23	06	0.2	0.4426	0.4522
2022/12/23	07	0.5	0.4362	0.4079
2022/12/23	08	0.8	0.4182	0.3695
2022/12/23	09	1.3	0.4057	0.3408
2022/12/23	10	1.3	0.3869	0.3351
2022/12/23	11	1.8	0.3725	0.3408
2022/12/23	12	2.4	0.3519	0.4048
2022/12/23	13	1.7	0.3485	0.4515
2022/12/23	14	-0.8	0.3501	0.4894
2022/12/23	15	-2.3	0.3476	0.4812
2022/12/23	16	-4.1	0.3414	0.4768
2022/12/23	17	-5.7	0.3336	0.4704
2022/12/23	18	-7.7	0.3313	0.4565
2022/12/23	19	-9	0.3279	0.4439
2022/12/23	20	-9.7	0.3218	0.4222
2022/12/23	21	-10.1	0.3162	0.4130
2022/12/23	22	-10.4	0.3105	0.4128
2022/12/23	23	-10.3	0.3104	0.4307

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/24	00	-10.3	0.3112	0.4495
2022/12/24	01	-10.3	0.3244	0.4783
2022/12/24	02	-10.6	0.3446	0.5109
2022/12/24	03	-10.5	0.3839	0.5461
2022/12/24	04	-10.2	0.4355	0.5761
2022/12/24	05	-10	0.4913	0.5924
2022/12/24	06	-9.9	0.5329	0.6008
2022/12/24	07	-9.7	0.5423	0.5916
2022/12/24	08	-9.4	0.5274	0.5689
2022/12/24	09	-9	0.4983	0.5218
2022/12/24	10	-8.5	0.4687	0.5775
2022/12/24	11	-9.3	0.4526	0.6694
2022/12/24	12	-8.7	0.4511	0.7650
2022/12/24	13	-8.5	0.4547	0.7570
2022/12/24	14	-8.1	0.4528	0.7044
2022/12/24	15	-8	0.4371	0.6635
2022/12/24	16	-7.7	0.4213	0.6275
2022/12/24	17	-7.6	0.4106	0.6146
2022/12/24	18	-7.4	0.4073	0.5993
2022/12/24	19	-7.5	0.4067	0.5695
2022/12/24	20	-7.5	0.3956	0.5337
2022/12/24	21	-7.3	0.3790	0.5059
2022/12/24	22	-7.5	0.3671	0.5061
2022/12/24	23	-7.8	0.3646	0.5141
2022/12/25	00	-7.7	0.3729	0.5255
2022/12/25	01	-7.3	0.3869	0.5318
2022/12/25	02	-7.4	0.4098	0.5477
2022/12/25	03	-7.1	0.4426	0.5748
2022/12/25	04	-7.2	0.4913	0.6043
2022/12/25	05	-6.8	0.5404	0.5554
2022/12/25	06	-7.2	0.5764	0.4882
2022/12/25	07	-7.4	0.5644	0.4121
2022/12/25	08	-7.3	0.5284	0.4626
2022/12/25	09	-6.9	0.4775	0.5006
2022/12/25	10	-6.2	0.4441	0.5256
2022/12/25	11	-5.9	0.4171	0.4705
2022/12/25	12	-5.3	0.4159	0.4344
2022/12/25	13	-5.2	0.4302	0.4259
2022/12/25	14	-5.1	0.4509	0.4402
2022/12/25	15	-5.1	0.4547	0.4384
2022/12/25	16	-4.8	0.4519	0.4293
2022/12/25	17	-5.7	0.4587	0.4433
2022/12/25	18	-5.5	0.4718	0.4811
2022/12/25	19	-6.2	0.4851	0.5242
2022/12/25	20	-5.8	0.4793	0.5050
2022/12/25	21	-6.2	0.4645	0.4790
2022/12/25	22	-6.2	0.4448	0.4461
2022/12/25	23	-8.4	0.4424	0.4762

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/26	00	-8.5	0.4515	0.4961
2022/12/26	01	-8.8	0.4594	0.4956
2022/12/26	02	-8.7	0.4585	0.4684
2022/12/26	03	-8.6	0.4561	0.4491
2022/12/26	04	-9.3	0.4639	0.4472
2022/12/26	05	-8.9	0.4797	0.4448
2022/12/26	06	-9	0.4961	0.4381
2022/12/26	07	-9.5	0.4980	0.4295
2022/12/26	08	-9.7	0.4921	0.4275
2022/12/26	09	-9.5	0.4895	0.4241
2022/12/26	10	-9.3	0.5000	0.4218
2022/12/26	11	-8.8	0.5010	0.4040
2022/12/26	12	-8.1	0.4870	0.4063
2022/12/26	13	-4.9	0.4752	0.4201
2022/12/26	14	-4.6	0.4947	0.4432
2022/12/26	15	-3.8	0.5283	0.4460
2022/12/26	16	-3.8	0.5355	0.4452
2022/12/26	17	-4.3	0.5059	0.4438
2022/12/26	18	-4.8	0.4687	0.4431
2022/12/26	19	-5.2	0.4672	0.4251
2022/12/26	20	-5.7	0.4871	0.4054
2022/12/26	21	-5.9	0.4993	0.3884
2022/12/26	22	-6.1	0.4950	0.3915
2022/12/26	23	-6.2	0.4843	0.3987
2022/12/27	00	-6.4	0.4882	0.4093
2022/12/27	01	-7	0.4992	0.4170
2022/12/27	02	-7	0.5097	0.4412
2022/12/27	03	-7.2	0.5180	0.4790
2022/12/27	04	-8.2	0.5245	0.5079
2022/12/27	05	-8.5	0.5445	0.5246
2022/12/27	06	-9	0.5606	0.5121
2022/12/27	07	-9.8	0.5660	0.4730
2022/12/27	08	-10	0.5482	0.4095
2022/12/27	09	-10.1	0.5118	0.3561
2022/12/27	10	-9.7	0.4745	0.3352
2022/12/27	11	-8.3	0.4519	0.3454
2022/12/27	12	-7.1	0.4497	0.3756
2022/12/27	13	-5.7	0.4585	0.4094
2022/12/27	14	-5.3	0.4677	0.4264
2022/12/27	15	-4.5	0.4674	0.4270
2022/12/27	16	-4.1	0.4556	0.4188
2022/12/27	17	-4.2	0.4363	0.4098
2022/12/27	18	-4.6	0.4221	0.3946
2022/12/27	19	-4.4	0.4072	0.3734
2022/12/27	20	-4.7	0.3860	0.3513
2022/12/27	21	-4.8	0.3583	0.3424
2022/12/27	22	-5.4	0.3367	0.3442
2022/12/27	23	-5.2	0.3278	0.3598

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/28	00	-4.7	0.3338	0.3717
2022/12/28	01	-5	0.3458	0.3859
2022/12/28	02	-5.2	0.3647	0.4185
2022/12/28	03	-4.8	0.3960	0.4575
2022/12/28	04	-4.2	0.4407	0.4905
2022/12/28	05	-4.1	0.4806	0.4868
2022/12/28	06	-4.1	0.4978	0.4604
2022/12/28	07	-3.9	0.4835	0.4247
2022/12/28	08	-4	0.4565	0.4000
2022/12/28	09	-3	0.4297	0.3857
2022/12/28	10	-2.6	0.4084	0.3762
2022/12/28	11	-1.1	0.3920	0.3753
2022/12/28	12	-1	0.3863	0.3727
2022/12/28	13	-0.6	0.3872	0.3795
2022/12/28	14	-0.2	0.3901	0.3703
2022/12/28	15	0	0.3808	0.3577
2022/12/28	16	0	0.3689	0.3462
2022/12/28	17	-0.1	0.3552	0.3420
2022/12/28	18	0	0.3465	0.3372
2022/12/28	19	-0.8	0.3365	0.3191
2022/12/28	20	-1.6	0.3162	0.3011
2022/12/28	21	-0.8	0.2938	0.2917
2022/12/28	22	-0.3	0.2737	0.2927
2022/12/28	23	-0.4	0.2685	0.3003
2022/12/29	00	-1.6	0.2704	0.3118
2022/12/29	01	-1.3	0.2796	0.3311
2022/12/29	02	-0.2	0.2944	0.3691
2022/12/29	03	-0.8	0.3207	0.4085
2022/12/29	04	-0.8	0.3611	0.4441
2022/12/29	05	-4.2	0.3994	0.4493
2022/12/29	06	-3.2	0.4232	0.4264
2022/12/29	07	-3.1	0.4131	0.3537
2022/12/29	08	-3.9	0.3816	0.2759
2022/12/29	09	-3.4	0.3318	0.2139
2022/12/29	10	-0.6	0.2873	0.1934
2022/12/29	11	4	0.2582	0.2466
2022/12/29	12	4.4	0.2526	0.3054
2022/12/29	13	6	0.2757	0.3504
2022/12/29	14	7	0.3045	0.3079
2022/12/29	15	6.9	0.3192	0.2792
2022/12/29	16	6.1	0.3128	0.2755
2022/12/29	17	5.7	0.2989	0.3021
2022/12/29	18	5.9	0.2932	0.3219
2022/12/29	19	5.6	0.2851	0.3223
2022/12/29	20	5.7	0.2702	0.3119
2022/12/29	21	5.6	0.2509	0.2884
2022/12/29	22	5.8	0.2322	0.2786
2022/12/29	23	5.5	0.2252	0.2834

Hourly Data Metering Pilots

Calendar Date	Time	T (Celsius)	Deep River Average (m3/hr)	Ingleside Average (m3/hr)
2022/12/30	00	6	0.2242	0.2847
2022/12/30	01	5.7	0.2562	0.2782
2022/12/30	02	5.8	0.2800	0.2616
2022/12/30	03	5.8	0.2974	0.2537
2022/12/30	04	6.2	0.2870	0.2433
2022/12/30	05	6.1	0.2756	0.2423
2022/12/30	06	6.5	0.2803	0.2401
2022/12/30	07	6.4	0.2886	0.2449
2022/12/30	08	6.2	0.2880	0.2352
2022/12/30	09	6.7	0.2704	0.2274
2022/12/30	10	7.2	0.2571	0.2209
2022/12/30	11	7.2	0.2715	0.2274
2022/12/30	12	7.5	0.2988	0.2397
2022/12/30	13	9.2	0.3026	0.2469
2022/12/30	14	9.5	0.2856	0.2405
2022/12/30	15	8.4	0.2604	0.2317
2022/12/30	16	8.2	0.2601	0.2351
2022/12/30	17	7.5	0.2733	0.2430
2022/12/30	18	7.7	0.2879	0.2435
2022/12/30	19	7.4	0.2848	0.2321
2022/12/30	20	8	0.2787	0.2150
2022/12/30	21	8	0.2872	0.1996
2022/12/30	22	7.3	0.3039	0.1861
2022/12/30	23	6.8	0.3104	0.1803
2022/12/31	00	6.9	0.3032	0.1778
2022/12/31	01	6.9	0.3001	0.1815
2022/12/31	02	6.8	0.3202	0.1881
2022/12/31	03	6.4	0.3367	0.1988
2022/12/31	04	6.5	0.3433	0.2237
2022/12/31	05	6.5	0.3281	0.2539
2022/12/31	06	6.4	0.3114	0.2921
2022/12/31	07	5.5	0.3035	0.3086
2022/12/31	08	4.2	0.3058	0.3127
2022/12/31	09	5.3	0.3076	0.2934
2022/12/31	10	4.9	0.3043	0.2726
2022/12/31	11	5.8	0.2989	0.2547
2022/12/31	12	6.4	0.3000	0.2510
2022/12/31	13	5.5	0.3042	0.2549
2022/12/31	14	5.7	0.3026	0.2613
2022/12/31	15	4.8	0.2955	0.2646
2022/12/31	16	4.6	0.2855	0.2638
2022/12/31	17	4.2	0.2746	0.2548
2022/12/31	18	4.5	0.2662	0.2466
2022/12/31	19	4.2	0.2536	0.2360
2022/12/31	20	3.6	0.2428	0.2311
2022/12/31	21	2.9	0.2337	0.2193
2022/12/31	22	2.9	0.2279	0.2109
2022/12/31	23	3.1	0.2295	0.2008

ENBRIDGE GAS INC.

Answer to Interrogatory from
City of Kitchener (Kitchener)

Interrogatory

Reference:

Exhibit 3 Tab 2 Schedule 3 Page 25 of 25, line 10
Actual heating degree day for Union South (CYXU station) for 2021 – 3,486

Question(s):

- a) Please provide the HDD for Kitchener for last 3 years based on gas day and calendar day?
- b) Please provide comparison between actual HDD for Kitchener and London (CYXU Station) used for union south calculation?
- c) Based on response from question (b), can it be confirmed that actual HDD of London is lower than Kitchener?
- d) If response to question (c) is yes, please provide forecasted HDD for Kitchener?

Response:

a-b) Table 1 shows the HDD calendar and gas day data from Kitchener/Waterloo (CYKF) and gas day data from London (CYXU) for last 3 years (2020 to 2023). HDDs based on London (CYXU) for 2020 to 2021 are lower compared to HDDs based on Waterloo/Kitchener (CYKF).

Table 1
HDD Data: Waterloo/Kitchener (CYKF) and London (CYXU)

Line No.	Year	Waterloo/Kitchener (CYKF)		London (CYXU)
		Calendar Day	Gas Day	Gas Day
	(a)	(b)	(c)	(d)
1	2020	3,846	3,857	3,628
2	2021	3,706	3,715	3,486
3	2022	4,058	4,072	3,839

- c) Confirmed.
- d) As part of its harmonization plans, Enbridge Gas is proposing using London (CYXU) for Union South to align with the Company's Gas Supply Plan. Enbridge Gas is not able to develop forecast for each station because the forecast methodology for each weather zone has been selected based on the results from the evaluation framework. Please see Exhibit 3, Tab 2, Schedule 3, Tables 7 and 8, pages 17 to 18 for the analysis done for selecting proposed forecast methodology for Union South using historical HDD data from London (CYXU).

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 2, Sch. 3

Question(s):

- a) How many years will EGI be using the HDD forecasts to forecast volumes? For example, the HDD forecast will be used for 2024 volumes, but will the HDD forecast be used for volumes over the 2025 through 2028 period? Please explain fully.
- b) The evaluation results are based on a 2 year lag but the 2024 forecast is based on a 3 year lag because 2021 was the last year of actual data available (footnote 9). Does EGI propose to update the 2024 HDD forecast for each rate zone based on now having actual 2022 data? If not, why not?
- c) Please update the 2024 HDD forecast to reflect actual 2022 data.

Response:

- a) Enbridge Gas will continue using the HDD forecasts to forecast volumes for 2025 to 2028. If approved, the forecast methodologies proposed will be in effect from 2024 to 2028. However, the resulting forecasts will be updated annually to include each year of additional data (and removal of one year if applicable) according to the methodology that applies.

If the proposed Straight Fixed Variable with Demand (SFVD) rate design is approved by the OEB for the general service rate classes, once implemented there will no longer be a need for the HDD forecast to determine a normalized average use adjustment for setting rates. However, Enbridge Gas will continue to use the HDD forecasts from the proposed models for demand forecasting.

- b-c) Please see Attachment 1 for tables updated for each of the weather zones. Enbridge Gas is not proposing to update the 2024 HDD forecast now that 2022 actual data are available.

Table 2
Central Weather Zone: Out-of-Sample Forecast Performance (2003 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	8.8%	10	10.3%	10	0.6%	4	55%	1	217	10	35	9
2	10-yr MA	4.8%	1	6.2%	1	1.1%	6	55%	1	59	3	12	2
3	20-yr MA	5.2%	2	7.0%	5	3.0%	9	65%	9	78	8	33	8
4	20-yr Trend	5.7%	5	6.9%	4	(1.1%)	5	45%	1	71	5	20	5
5	30-yr MA	6.5%	9	8.4%	9	5.4%	10	90%	10	90	9	47	10
6	50/50	5.3%	4	6.8%	3	2.2%	7	55%	1	57	2	17	3
7	de Bever	6.2%	8	7.8%	8	2.4%	8	55%	1	73	6	31	7
8	de Bever with Trend	6.1%	6	7.2%	6	0.1%	2	45%	1	64	4	19	4
9	Energy Probe	6.2%	7	7.2%	7	0.3%	3	45%	1	74	7	25	6
10	50/50 Hybrid	5.3%	3	6.4%	2	0.0%	1	45%	1	51	1	8	1

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 4
East Weather Zone: Out-of-Sample Forecast Performance (2003 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	8.8%	10	10.3%	10	0.4%	3	45%	3	219	10	36	9
2	10-yr MA	4.8%	1	6.2%	1	0.3%	1	45%	3	46	1	10	1
3	20-yr MA	5.2%	2	7.0%	5	1.5%	8	60%	6	60	7	28	5
4	20-yr Trend	5.7%	5	6.9%	4	(1.0%)	6	40%	6	80	8	35	8
5	30-yr MA	6.5%	9	8.4%	9	2.8%	10	70%	10	56	5	37	10
6	50/50	5.3%	4	6.8%	3	0.9%	5	55%	3	50	2	19	2
7	de Bever	6.2%	8	7.8%	8	1.6%	9	50%	1	57	6	30	7
8	de Bever with Trend	6.1%	6	7.2%	6	1.2%	7	50%	1	53	4	29	6
9	Energy Probe	6.2%	7	7.2%	7	(0.4%)	4	40%	6	194	9	21	4
10	50/50 Hybrid	5.3%	3	6.4%	2	(0.3%)	2	40%	5	51	3	19	2

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 6
West Weather Zone: Out-of-Sample Forecast Performance (2003 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	9.4%	10	10.7%	10	0.4%	4	50%	1	213	10	35	8
2	10-yr MA	5.3%	3	6.4%	2	0.4%	3	45%	7	33	1	16	2
3	20-yr MA	5.3%	2	6.6%	3	1.4%	7	50%	1	43	4	17	3
4	20-yr Trend	6.2%	8	7.3%	6	(0.8%)	5	50%	1	70	8	28	6
5	30-yr MA	5.6%	5	7.3%	8	3.3%	10	65%	10	64	7	40	10
6	50/50	5.6%	4	6.8%	5	1.3%	6	50%	1	38	2	18	4
7	de Bever	6.2%	7	7.5%	9	2.3%	9	50%	1	47	5	31	7
8	de Bever with Trend	6.2%	9	7.3%	7	1.6%	8	45%	7	51	6	37	9
9	Energy Probe	4.6%	1	5.6%	1	0.2%	2	40%	9	187	9	22	5
10	50/50 Hybrid	5.7%	6	6.7%	4	(0.2%)	1	50%	1	42	3	15	1

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 8
South Weather Zone: Out-of-Sample Forecast Performance (2003 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE		Percent Over Forecast		Standard Deviation			
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)		
1	Naïve	8.6%	10	10.2%	10	0.5%	4	55%	2	223	10	36	9
2	10-yr MA	4.9%	2	6.0%	1	0.4%	3	45%	2	42	3	11	1
3	20-yr MA	4.8%	1	6.2%	2	1.3%	8	45%	2	41	1	14	2
4	20-yr Trend	5.6%	7	6.9%	7	(0.6%)	6	45%	2	85	9	31	6
5	30-yr MA	5.2%	4	6.7%	6	2.8%	10	65%	10	56	7	37	10
6	50/50	5.1%	3	6.4%	4	1.1%	7	45%	2	49	4	20	5
7	de Bever	5.6%	8	7.3%	9	2.6%	9	55%	2	53	5	33	8
8	de Bever with Trend	5.6%	6	6.6%	5	(0.0%)	1	45%	2	42	2	16	3
9	Energy Probe	5.7%	9	6.9%	8	0.6%	5	50%	1	63	8	31	6
10	50/50 Hybrid	5.2%	5	6.3%	3	(0.1%)	2	45%	2	55	6	18	4

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 10
North Weather Zone: Out-of-Sample Forecast Performance (2003 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	8.5%	10	10.0%	10	0.5%	3	50%	1	271	10	34	9
2	10-yr MA	5.0%	1	6.0%	1	0.3%	1	50%	1	48	4	8	1
3	20-yr MA	5.2%	3	6.4%	3	1.3%	6	50%	1	54	7	20	2
4	20-yr Trend	5.5%	6	6.6%	6	0.7%	4	55%	7	85	9	32	7
5	30-yr MA	5.1%	2	6.6%	5	2.4%	9	50%	1	51	5	22	4
6	50/50	5.3%	5	6.4%	4	1.6%	8	55%	7	38	1	25	6
7	de Bever	5.8%	9	7.2%	9	2.9%	10	60%	10	44	2	40	10
8	de Bever with Trend	5.6%	7	6.7%	7	1.2%	5	50%	1	45	3	23	5
9	Energy Probe	5.7%	8	6.7%	8	1.4%	7	50%	1	60	8	32	7
10	50/50 Hybrid	5.2%	4	6.3%	2	0.5%	2	55%	6	52	6	20	2

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 11
Forecast of 2024 Heating Degree Days (updated with 2022 Actuals)

<u>Line No.</u>	<u>Weather Zone</u>	<u>Methodology</u>	<u>Forecast (1)</u> (a)	<u>Forecast (2)</u> (b)
1	Central	50/50 Hybrid	3,584	2,786
2	East	10-yr MA	4,365	3,508
3	West	10-yr MA	3,440	2,646
4	South	10-yr MA	3,828	2,983
5	North	10-yr MA	4,728	3,799

Notes:

- (1) HDD forecast based on base temperature of 18°C.
- (2) HDD forecast based on base temperature of 15°C.

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 2, Sch. 3

Question(s):

- a) The evaluation criteria used by EGI are effectively weighted as 40% to accuracy, 40% to symmetry and 20% to stability. Please explain why EGI believes these relative weights are appropriate.
- b) The use of rankings does not take into account the magnitude of the differences in any of the proposed measures. For example, in Table 6, the symmetry POG has a value of 55% and a ranking of 7, while the same POF in Table 10 has a ranking of 1. Did EGI consider other methods of combing the results that focused on the magnitude of the differences in accuracy, symmetry and stability? If not, why not?

Response:

- a) Enbridge Gas used the same OEB-approved evaluation framework that has been used for the EGD rate zone since 2006. The supporting analysis and discussion was provided in EGD's 2007 Rates proceeding.¹
- b) The rankings are determined by ordering the results from best to worst between the ten methodologies compared. Depending on the other methodologies results from the related statistics, it is normal that the same statistics value has different rankings in different comparisons. For example, the methodology with a 55% POF value can be ranked as 1 when the other nine methodologies have a POF value higher than 55%. Conversely, when the other nine methodologies have a POF value lower than 55%, the methodology with 55% POF value would have been ranked as 10.

¹ EB-2006-0034.

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 2, Sch. 3

Question(s):

- a) Please provide versions of Tables 2, 4, 6, 8 and 10 based on a out-of-sample performance period of 2013 through 2022.
- b) Please provide Excel versions of Tables 2, 4, 6, 8 and 10 for the tables requested in part (a) above and for Tables 2, 4, 6, 8 and 10 as filed in the original evidence based on the out-of-sample performance period of 2012 through 2021.

Response:

- a) Please see Attachment 1, Tables 1 to 5.
- b) Please see Attachment 1, Tables 6 to 10 for the Excel versions of the updated Tables 2, 4, 6, 8.

Table 1
Central Weather Zone: Out-of-Sample Forecast Performance (2013 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	9.9%	10	11.9%	10	0.3%	2	50%	1	248	10	33	8
2	10-yr MA	4.9%	2	5.9%	1	0.1%	1	40%	6	16	1	11	1
3	20-yr MA	4.8%	1	6.0%	2	1.0%	7	50%	1	38	4	15	2
4	20-yr Trend	6.3%	9	7.6%	8	-1.3%	8	50%	1	93	9	35	9
5	30-yr MA	5.3%	3	6.6%	4	3.1%	10	80%	10	30	2	29	5
6	50/50	5.5%	4	6.6%	3	0.9%	6	50%	1	37	3	17	3
7	de Bever	6.3%	8	7.6%	9	1.5%	9	50%	1	73	8	35	9
8	de Bever with Trend	6.1%	7	7.1%	7	-0.6%	3	40%	6	62	7	30	7
9	Energy Probe	6.0%	6	6.9%	6	-0.8%	5	40%	6	55	6	29	5
10	50/50 Hybrid	5.6%	5	6.6%	5	-0.6%	3	40%	5	46	5	23	4

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 2
East Weather Zone: Out-of-Sample Forecast Performance (2013 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	6.9%	10	8.2%	10	-0.1%	1	50%	1	203	10	32	7
2	10-yr MA	3.6%	3	4.4%	2	-1.1%	7	40%	6	21	2	20	4
3	20-yr MA	3.4%	2	4.4%	3	-0.4%	3	50%	1	26	3	12	1
4	20-yr Trend	4.8%	9	5.9%	9	-1.8%	10	40%	6	105	8	42	10
5	30-yr MA	3.4%	1	4.3%	1	1.0%	6	60%	6	15	1	15	2
6	50/50	4.0%	5	4.8%	4	-0.4%	4	50%	1	46	4	18	3
7	de Bever	4.0%	4	5.0%	6	1.2%	8	50%	1	47	5	24	6
8	de Bever with Trend	4.2%	6	5.1%	8	0.4%	2	50%	1	53	6	23	5
9	Energy Probe	4.2%	8	4.9%	5	-0.7%	5	40%	6	195	9	33	8
10	50/50 Hybrid	4.2%	7	5.1%	7	-1.5%	8	40%	5	54	7	34	9

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 3
West Weather Zone: Out-of-Sample Forecast Performance (2013 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	10.5%	10	12.2%	10	0.1%	2	40%	6	242	10	38	10
2	10-yr MA	5.5%	4	6.2%	4	-0.5%	4	40%	6	16	2	20	4
3	20-yr MA	5.5%	3	6.2%	3	-0.3%	3	40%	6	20	3	18	3
4	20-yr Trend	6.6%	9	7.7%	9	-0.9%	8	50%	1	88	8	35	9
5	30-yr MA	5.1%	2	6.1%	2	1.0%	9	50%	1	15	1	15	1
6	50/50	5.8%	5	6.7%	5	0.1%	1	50%	1	39	4	16	2
7	de Bever	6.0%	8	7.1%	8	1.6%	10	50%	1	43	5	32	8
8	de Bever with Trend	5.9%	6	6.8%	6	0.6%	6	40%	6	43	6	30	7
9	Energy Probe	4.8%	1	5.9%	1	0.6%	5	40%	6	203	9	22	5
10	50/50 Hybrid	6.0%	7	6.9%	7	-0.7%	6	50%	1	50	7	28	6

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 4
South Weather Zone: Out-of-Sample Forecast Performance (2013 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE		Percent Over Forecast		Standard Deviation			
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)		
1	Naïve	10.3%	10	12.1%	10	0.1%	1	50%	1	268	10	32	8
2	10-yr MA	5.5%	3	6.3%	3	-0.7%	5	40%	3	20	2	16	3
3	20-yr MA	5.4%	2	6.1%	2	-0.5%	3	40%	3	25	3	13	2
4	20-yr Trend	6.6%	9	8.0%	9	-1.1%	9	40%	3	112	9	39	10
5	30-yr MA	5.1%	1	6.1%	1	0.6%	4	40%	3	10	1	10	1
6	50/50	5.9%	4	6.9%	4	-0.2%	2	40%	3	55	5	18	4
7	de Bever	6.1%	6	7.5%	8	1.5%	10	50%	1	63	7	32	8
8	de Bever with Trend	6.1%	7	7.0%	5	-0.8%	7	40%	3	51	4	26	5
9	Energy Probe	6.3%	8	7.2%	7	-0.8%	6	40%	3	61	6	30	7
10	50/50 Hybrid	6.0%	5	7.1%	6	-0.9%	7	40%	2	65	8	28	6

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 5
North Weather Zone: Out-of-Sample Forecast Performance (2013 to 2022)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE		Percent Over Forecast		Standard Deviation			
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)		
1	Naïve	9.3%	10	10.9%	10	-0.1%	2	60%	9	293	10	41	9
2	10-yr MA	4.6%	3	5.6%	4	-1.4%	9	50%	1	27	3	20	4
3	20-yr MA	4.6%	2	5.5%	3	-0.9%	8	50%	1	26	2	16	2
4	20-yr Trend	5.3%	9	6.4%	9	0.5%	6	50%	1	80	9	34	8
5	30-yr MA	4.4%	1	5.4%	1	0.2%	3	50%	1	10	1	7	1
6	50/50	4.8%	5	5.9%	5	0.3%	5	50%	1	40	4	20	4
7	de Bever	5.0%	8	6.3%	8	1.6%	10	60%	9	44	7	42	10
8	de Bever with Trend	4.9%	7	6.0%	7	0.1%	1	50%	1	42	6	22	6
9	Energy Probe	4.6%	4	5.4%	2	-0.3%	4	50%	1	41	5	16	2
10	50/50 Hybrid	4.9%	6	5.9%	6	-0.5%	6	50%	1	49	8	27	7

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 6
Central Weather Zone: Out-of-Sample Forecast Performance (2012 to 2021)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	10.3%	10	12.1%	10	1.6%	6	60%	9	247	10	45	10
2	10-yr MA	6.3%	1	7.4%	1	1.5%	5	50%	1	17	1	9	1
3	20-yr MA	6.5%	2	8.1%	3	2.7%	8	50%	1	44	4	18	3
4	20-yr Trend	7.3%	7	8.3%	6	-0.3%	1	50%	1	92	9	24	6
5	30-yr MA	7.0%	5	9.0%	8	4.9%	10	80%	10	34	2	35	8
6	50/50	6.9%	4	8.1%	4	2.3%	7	50%	1	37	3	19	4
7	de Bever	7.7%	9	9.1%	9	3.0%	9	50%	1	74	8	36	9
8	de Bever with Trend	7.4%	8	8.4%	7	0.9%	4	50%	1	63	7	27	7
9	Energy Probe	7.2%	6	8.2%	5	0.8%	3	50%	1	57	6	21	5
10	50/50 Hybrid	6.8%	3	7.7%	2	0.6%	2	50%	1	45	5	13	2

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 7
East Weather Zone: Out-of-Sample Forecast Performance (2012 to 2021)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE		Percent Over Forecast		Standard Deviation			
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)		
1	Naïve	6.9%	10	8.2%	10	0.0%	1	50%	1	236	10	32	9
2	10-yr MA	4.2%	2	4.9%	1	-0.5%	5	40%	6	18	2	16	3
3	20-yr MA	4.2%	3	5.2%	2	0.4%	4	50%	1	32	3	13	1
4	20-yr Trend	5.1%	9	6.0%	9	-1.6%	8	40%	6	101	8	40	10
5	30-yr MA	4.2%	1	5.2%	4	1.8%	9	60%	6	17	1	21	4
6	50/50	4.6%	4	5.2%	3	0.1%	2	50%	1	44	4	14	2
7	de Bever	4.7%	6	5.7%	7	1.8%	10	50%	1	46	5	29	6
8	de Bever with Trend	4.9%	8	5.8%	8	1.1%	7	50%	1	54	7	31	8
9	Energy Probe	4.7%	7	5.3%	5	-0.2%	3	40%	6	194	9	30	7
10	50/50 Hybrid	4.6%	5	5.3%	6	-1.0%	5	40%	5	49	6	27	5

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 8
West Weather Zone: Out-of-Sample Forecast Performance (2012 to 2021)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	11.0%	10	12.4%	10	1.7%	6	50%	1	235	10	37	10
2	10-yr MA	6.7%	3	7.5%	2	0.8%	3	50%	1	16	1	10	1
3	20-yr MA	6.8%	4	7.7%	3	1.2%	4	50%	1	23	3	15	2
4	20-yr Trend	7.6%	9	8.5%	7	0.2%	1	50%	1	87	8	26	7
5	30-yr MA	6.7%	2	8.0%	5	2.6%	9	50%	1	19	2	19	3
6	50/50	7.2%	5	8.0%	6	1.4%	5	50%	1	39	4	21	6
7	de Bever	7.6%	8	8.8%	9	3.2%	10	50%	1	43	5	33	9
8	de Bever with Trend	7.5%	7	8.5%	8	2.3%	8	50%	1	45	6	30	8
9	Energy Probe	5.6%	1	6.8%	1	2.0%	7	50%	1	201	9	19	3
10	50/50 Hybrid	7.2%	6	7.9%	4	0.5%	2	50%	1	49	7	20	5

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 9
South Weather Zone: Out-of-Sample Forecast Performance (2012 to 2021)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	10.6%	10	12.2%	10	1.4%	8	60%	10	268	10	48	10
2	10-yr MA	6.6%	2	7.3%	1	0.6%	4	50%	1	20	2	10	1
3	20-yr MA	6.6%	3	7.5%	2	1.0%	7	50%	1	28	3	16	3
4	20-yr Trend	7.5%	9	8.5%	8	-0.1%	1	50%	1	113	9	28	8
5	30-yr MA	6.6%	1	7.7%	3	2.1%	9	50%	1	13	1	15	2
6	50/50	7.0%	4	7.9%	5	1.0%	6	50%	1	54	5	21	6
7	de Bever	7.5%	8	8.8%	9	2.8%	10	50%	1	64	7	35	9
8	de Bever with Trend	7.2%	6	8.0%	6	0.5%	3	50%	1	51	4	20	4
9	Energy Probe	7.4%	7	8.3%	7	0.7%	5	50%	1	61	6	26	7
10	50/50 Hybrid	7.0%	5	7.9%	4	0.2%	2	50%	1	65	8	20	4

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

Table 10
North Weather Zone: Out-of-Sample Forecast Performance (2012 to 2021)

Line No.	Methodology	Accuracy				Symmetry				Stability		Score (1)	Overall Rank
		MAPE		RMSPE		MPE	Percent Over Forecast		Standard Deviation				
		(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)		
1	Naïve	9.1%	10	10.8%	10	0.6%	3	60%	9	318	10	42	9
2	10-yr MA	5.6%	1	6.6%	1	-0.2%	1	50%	1	21	2	6	1
3	20-yr MA	5.7%	3	6.9%	2	0.5%	2	50%	1	31	3	11	2
4	20-yr Trend	6.5%	9	7.6%	8	1.7%	9	50%	1	79	9	36	8
5	30-yr MA	5.7%	2	6.9%	3	1.6%	7	50%	1	12	1	14	3
6	50/50	6.1%	6	7.2%	6	1.6%	8	50%	1	39	4	25	6
7	de Bever	6.3%	8	7.8%	9	2.9%	10	60%	9	44	7	43	10
8	de Bever with Trend	6.2%	7	7.3%	7	1.4%	6	50%	1	42	5	26	7
9	Energy Probe	5.9%	4	6.9%	4	1.2%	5	50%	1	43	6	20	4
10	50/50 Hybrid	6.1%	5	7.0%	5	0.7%	3	50%	1	46	8	22	5

Note:

(1) Score equals the sum of (b)+(d)+(f)+(h)+(j).

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 2, Sch. 3

Question(s):

- a) Please provide a detailed explanation and the calculations used to convert the HDD forecast for each region from a 18 degree base to a 15 degree base.
- b) Please provide versions of Tables 11, 12 and 13 that reflects the use of actual 2022 HDDs in the generation of the 2024 forecasts (i.e. the standard 2 year lag).
- c) What weights are used in the calculation of the North HDDs as noted in Note 4 of Table 13?
- d) Please provide the regression statistics associated with the 20-year trend regression noted in Note 2 on page 24. At what level of significance is the coefficient on the trend variable significantly different from zero?
- e) Please provide the regression equation and statistics for the 20-year trend equation based on data from 2003 through 2022

Response:

- a) The 2024 Test Year HDD forecast for base temperature of 15°C was determined by converting the daily HDD forecast calculated based on 18°C and summing these daily values over the year. Attachment 1 provides these conversions for each weather zone.
- b) Please see response at Exhibit I.3.2-LPMA-17, Attachment 1, Table 11 which includes the 2024 HDD forecasts reflecting the use of actual 2022 HDDs. Table 12 and 13 show an updated version of Table 12 and 13, respectively.

Table 12
Central Weather Zone: Actual and Forecast Heating Degree
Day

Line No.	Calendar Year	Actual (1) (a)
1	2003	3,949
2	2004	3,766
3	2005	3,750
4	2006	3,355
5	2007	3,659
6	2008	3,802
7	2009	3,767
8	2010	3,466
9	2011	3,597
10	2012	3,194
11	2013	3,746
12	2014	4,044
13	2015	3,710
14	2016	3,412
15	2017	3,499
16	2018	3,728
17	2019	3,887
18	2020	3,459
19	2021	3,301
20	2022	3,634
21	2024 Forecast (10-yr MA)	3,642
22	2024 Forecast (20-yr Trend) (2)	3,526
23	2024 Forecast (50/50 Hybrid) (3)	3,584

Notes:

- (1) Actual heating degree day observations are from an independent weather service (DTN Meteorlogix); CYYZ station.
- (2) Calculated using the 20-yr Trend regression equation: Central Gas Supply Degree Day= 3736.214 -9.533684 *TREND. The trend variable takes the values of 1 through 20 for each of the years from 2003 to 2022. The value of 22 is used for 2024 to generate 2024 degree day forecast.
- (3) Average of 10-yr MA and 20-yr Trend forecasts.

Table 13
East, West, South and North Weather zones: Actual and Forecast Heating Degree Days

Line No.	Calendar Year	East (1)	West (2)	South (3)	North (4)
		(a)	(b)	(c)	(d)
1	2013	4,484	3,537	3,960	4,901
2	2014	4,552	3,814	4,306	5,152
3	2015	4,397	3,548	3,914	4,728
4	2016	4,231	3,233	3,579	4,427
5	2017	4,318	3,282	3,636	4,622
6	2018	4,459	3,537	3,932	4,843
7	2019	4,682	3,670	4,002	5,027
8	2020	4,200	3,224	3,628	4,546
9	2021	4,009	3,126	3,486	4,300
10	2022	4,316	3,434	3,839	4,734
11	2024 Forecast (10-yr MA)	4,365	3,440	3,828	4,728

Notes:

- (1) Actual data from an independent weather service (DTN Meteorlogix); CYOW station.
- (2) Actual data from an independent weather service (DTN Meteorlogix); CYSN station.
- (3) Actual data from an independent weather service (DTN Meteorlogix); CYXU station.
- (4) Actual data is a weighted average that is calculated from multiple weather stations from an independent weather service (DTN Meteorlogix): Sudbury (CYSB), Kingston (CYGK), Thunder Bay (CYQT), Sault Ste. Marie (KCIU), Muskoka (CYQA), International Falls/Fort Frances (KINL).

c) Table 1 shows the weights used in the calculation of the North HDDs as noted in note 4 of Table 13. The weightings are determined based on the proportions of demand forecast for each of the delivery areas in the North weather zone.

Table 1
North HDD-Weights

Line No.	Weather stations	Weights (a)
1	Thunder Bay (CYQT)	17%
2	Sudbury (CYSB)	33%
3	Sault Ste. Marie (KCIU)	9%
4	Kingston (CYGK)	31%
5	Muskoka (CYQA)	9%
6	Int Falls/Fort Frances (KINL)	1%

d) Table 2 shows the 20-yr Trend equation and the statistics for the 20-year trend equation based on data from 2002 to 2021. Based on the t-statistic, Trend variable is not statistically significant at the 95% confidence level. Also, the R-squared of the model is low. Enbridge Gas's selection of degree day forecasting methodology is reliant on the results of the OEB-approved Evaluation Framework.

Table 2
Central Weather Zone-20-yr Trend equation

Dependent Variable: GSCDD
 Method: Least Squares
 Sample: 2002 2021
 Included observations: 20

Line No.	Variable	Coefficient	Std. Error	t-Statistic	Prob.
1	C	3728.073	103.5583	36.00	0.00
2	TREND	-8.93406	8.644883	-1.03	0.32
3	R-squared	0.06	Mean dependent var		3.6E+03
4	Adjusted R-squared	0.00	S.D. dependent var		2.2E+02
5	S.E. of regression	222.93	Akaike info criterion		1.4E+01
6	Sum squared resid	894566.00	Schwarz criterion		1.4E+01
7	Log likelihood	-135.46	Hannan-Quinn criter.		1.4E+01
8	F-statistic	1.07	Durbin-Watson stat		1.8E+00
9	Prob(F-statistic)	0.32			

e) Table 3 shows the regression equation and statistics for the 20-year trend equation based on data from 2003 to 2022.

Table 3
Central Weather Zone-20-yr Trend equation

Dependent Variable: GSCDD
 Method: Least
 Squares
 Sample: 2003 2022
 Included observations: 20

Line No.	Variable	Coefficient	Std. Error	t-Statistic	Prob.
1	C	3.7436.21	103.05	36.26	0.00
2	TREND	-9.53	8.60	-1.11	0.28
3	R-squared	0.06	Mean dependent var		3.6E+03
4	Adjusted R-squared	0.01	S.D. dependent var		2.2E+02
5	S.E. of regression	221.83	Akaike info criterion		1.4E+01
6	Sum squared resid	885730.60	Schwarz criterion		1.4E+01
7	Log likelihood	-135.36	Hannan-Quinn criter.		1.4E+01
8	F-statistic	1.23	Durbin-Watson stat		1.8E+00
9	Prob(F-statistic)	0.28			

2024 HDD Forecast: Central Weather Zone (based on 18)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	21.0	22.0	20.0	14.0	8.0	1.0	0.0	0.0	1.0	5.0	10.0	17.0	
2	21.0	22.0	19.0	14.0	8.0	1.0	0.0	0.0	1.0	5.0	10.0	17.0	
3	21.0	22.0	19.0	13.0	8.0	1.0	0.0	0.0	1.0	5.0	11.0	17.0	
4	21.0	22.0	19.0	13.0	8.0	1.0	0.0	0.0	1.0	5.0	11.0	17.0	
5	21.0	22.0	19.0	13.0	7.0	1.0	0.0	0.0	1.0	5.0	11.0	17.0	
6	21.0	22.0	19.0	13.0	7.0	1.0	0.0	0.0	1.0	6.0	11.0	17.0	
7	21.0	22.0	18.0	13.0	7.0	1.0	0.0	0.0	1.0	6.0	12.0	18.0	
8	21.0	22.0	18.0	12.0	7.0	1.0	0.0	0.0	1.0	6.0	12.0	18.0	
9	21.0	22.0	18.0	12.0	6.0	1.0	0.0	0.0	1.0	6.0	12.0	18.0	
10	21.0	22.0	18.0	12.0	6.0	1.0	0.0	0.0	1.0	6.0	12.0	18.0	
11	21.0	22.0	18.0	12.0	6.0	1.0	0.0	0.0	2.0	6.0	12.0	18.0	
12	22.0	22.0	17.0	12.0	5.0	1.0	0.0	0.0	2.0	6.0	13.0	18.0	
13	22.0	22.0	17.0	11.0	5.0	1.0	0.0	0.0	2.0	7.0	13.0	18.0	
14	22.0	21.0	17.0	11.0	5.0	1.0	0.0	0.0	2.0	7.0	13.0	18.0	
15	24.0	21.0	17.0	11.0	5.0	1.0	0.0	0.0	2.0	7.0	13.0	19.0	
16	23.0	21.0	17.0	11.0	4.0	1.0	0.0	0.0	2.0	7.0	14.0	19.0	
17	23.0	21.0	16.0	11.0	4.0	1.0	0.0	0.0	2.0	7.0	14.0	19.0	
18	23.0	21.0	16.0	10.0	4.0	1.0	0.0	0.0	2.0	7.0	14.0	19.0	
19	23.0	21.0	16.0	10.0	3.0	1.0	0.0	0.0	2.0	8.0	14.0	19.0	
20	23.0	21.0	16.0	10.0	3.0	1.0	0.0	0.0	2.0	8.0	15.0	19.0	
21	23.0	21.0	16.0	9.0	3.0	1.0	0.0	0.0	2.0	8.0	15.0	19.0	
22	22.0	21.0	16.0	9.0	2.0	1.0	0.0	0.0	2.0	8.0	15.0	19.0	
23	22.0	21.0	15.0	9.0	2.0	0.0	0.0	0.0	2.0	8.0	15.0	20.0	
24	22.0	21.0	15.0	9.0	1.0	0.0	0.0	0.0	2.0	8.0	16.0	20.0	
25	22.0	21.0	15.0	8.0	1.0	0.0	0.0	0.0	2.0	9.0	16.0	20.0	
26	22.0	21.0	15.0	8.0	1.0	0.0	0.0	0.0	3.0	9.0	17.0	20.0	
27	22.0	20.0	15.0	8.0	1.0	0.0	0.0	1.0	3.0	9.0	17.0	20.0	
28	22.0	20.0	14.0	8.0	1.0	0.0	0.0	1.0	3.0	9.0	17.0	20.0	
29	22.0	20.0	14.0	8.0	1.0	0.0	0.0	1.0	3.0	9.0	17.0	20.0	
30	22.0		14.0	8.0	1.0	0.0	0.0	1.0	3.0	9.0	17.0	21.0	
31	22.0		14.0		1.0		0.0	1.0		10.0		21.0	
Total	679.0	619.0	517.0	322.0	131.0	22.0	0.0	5.0	55.0	221.0	409.0	580.0	3560.0

2024 HDD Forecast: Central Weather Zone (based on 15C)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	18.0	19.0	17.0	11.0	5.0	0.0	0.0	0.0	0.0	2.0	7.0	14.0	
2	18.0	19.0	16.0	11.0	5.0	0.0	0.0	0.0	0.0	2.0	7.0	14.0	
3	18.0	19.0	16.0	10.0	5.0	0.0	0.0	0.0	0.0	2.0	8.0	14.0	
4	18.0	19.0	16.0	10.0	5.0	0.0	0.0	0.0	0.0	2.0	8.0	14.0	
5	18.0	19.0	16.0	10.0	4.0	0.0	0.0	0.0	0.0	2.0	8.0	14.0	
6	18.0	19.0	16.0	10.0	4.0	0.0	0.0	0.0	0.0	3.0	8.0	14.0	
7	18.0	19.0	15.0	10.0	4.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	
8	18.0	19.0	15.0	9.0	4.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	
9	18.0	19.0	15.0	9.0	3.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	
10	18.0	19.0	15.0	9.0	3.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	
11	18.0	19.0	15.0	9.0	3.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	
12	19.0	19.0	14.0	9.0	2.0	0.0	0.0	0.0	0.0	3.0	10.0	15.0	
13	19.0	19.0	14.0	8.0	2.0	0.0	0.0	0.0	0.0	4.0	10.0	15.0	
14	19.0	18.0	14.0	8.0	2.0	0.0	0.0	0.0	0.0	4.0	10.0	15.0	
15	21.0	18.0	14.0	8.0	2.0	0.0	0.0	0.0	0.0	4.0	10.0	16.0	
16	20.0	18.0	14.0	8.0	1.0	0.0	0.0	0.0	0.0	4.0	11.0	16.0	
17	20.0	18.0	13.0	8.0	1.0	0.0	0.0	0.0	0.0	4.0	11.0	16.0	
18	20.0	18.0	13.0	7.0	1.0	0.0	0.0	0.0	0.0	4.0	11.0	16.0	
19	20.0	18.0	13.0	7.0	0.0	0.0	0.0	0.0	0.0	5.0	11.0	16.0	
20	20.0	18.0	13.0	7.0	0.0	0.0	0.0	0.0	0.0	5.0	12.0	16.0	
21	20.0	18.0	13.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	12.0	16.0	
22	19.0	18.0	13.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	12.0	16.0	
23	19.0	18.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	12.0	17.0	
24	19.0	18.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	17.0	
25	19.0	18.0	12.0	5.0	0.0	0.0	0.0	0.0	0.0	6.0	13.0	17.0	
26	19.0	18.0	12.0	5.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	17.0	
27	19.0	17.0	12.0	5.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	17.0	
28	19.0	17.0	11.0	5.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	17.0	
29	19.0	17.0	11.0	5.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	17.0	
30	19.0		11.0	5.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	18.0	
31	19.0		11.0		0.0		0.0	0.0		7.0		18.0	
Total	586.0	532.0	424.0	232.0	56.0	0.0	0.0	0.0	0.0	128.0	319.0	487.0	2764.0

2024 HDD Forecast: East Weather Zone (based on 18C)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	25.0	26.0	23.0	15.0	9.0	2.0	1.0	0.0	2.0	7.0	14.0	22.0	
2	25.0	26.0	23.0	15.0	9.0	2.0	1.0	0.0	2.0	7.0	14.0	21.0	
3	26.0	26.0	22.0	15.0	7.0	2.0	1.0	0.0	2.0	7.0	14.0	21.0	
4	25.0	26.0	22.0	15.0	7.0	2.0	1.0	0.0	2.0	7.0	14.0	22.0	
5	25.0	26.0	22.0	15.0	7.0	2.0	1.0	0.0	2.0	7.0	14.0	22.0	
6	25.0	26.0	22.0	14.0	6.0	1.0	0.0	0.0	2.0	7.0	15.0	22.0	
7	25.0	26.0	22.0	14.0	6.0	1.0	0.0	0.0	3.0	8.0	15.0	22.0	
8	26.0	26.0	21.0	14.0	6.0	1.0	0.0	0.0	3.0	8.0	15.0	22.0	
9	26.0	26.0	21.0	14.0	6.0	1.0	0.0	0.0	3.0	8.0	15.0	22.0	
10	26.0	26.0	21.0	14.0	6.0	1.0	0.0	0.0	3.0	8.0	16.0	22.0	
11	26.0	26.0	21.0	13.0	6.0	1.0	0.0	0.0	3.0	8.0	16.0	22.0	
12	26.0	25.0	21.0	13.0	6.0	1.0	0.0	0.0	3.0	8.0	16.0	23.0	
13	27.0	25.0	20.0	13.0	5.0	1.0	0.0	0.0	3.0	8.0	16.0	23.0	
14	27.0	25.0	20.0	13.0	5.0	1.0	0.0	0.0	3.0	9.0	17.0	23.0	
15	29.0	25.0	20.0	13.0	5.0	1.0	0.0	0.0	3.0	9.0	17.0	23.0	
16	28.0	25.0	20.0	12.0	4.0	1.0	0.0	0.0	3.0	9.0	17.0	23.0	
17	28.0	25.0	20.0	12.0	4.0	1.0	0.0	0.0	3.0	9.0	17.0	23.0	
18	28.0	25.0	19.0	12.0	4.0	1.0	0.0	0.0	3.0	9.0	18.0	23.0	
19	28.0	25.0	19.0	12.0	4.0	1.0	0.0	0.0	3.0	9.0	18.0	23.0	
20	28.0	25.0	19.0	12.0	3.0	1.0	0.0	1.0	3.0	10.0	18.0	24.0	
21	28.0	25.0	19.0	11.0	3.0	1.0	0.0	1.0	4.0	10.0	18.0	24.0	
22	28.0	25.0	19.0	11.0	3.0	1.0	0.0	1.0	4.0	10.0	18.0	24.0	
23	28.0	25.0	18.0	10.0	2.0	1.0	0.0	1.0	4.0	10.0	19.0	24.0	
24	28.0	25.0	18.0	10.0	2.0	1.0	0.0	1.0	4.0	10.0	20.0	24.0	
25	28.0	24.0	18.0	10.0	2.0	1.0	0.0	1.0	4.0	10.0	20.0	24.0	
26	27.0	24.0	18.0	10.0	2.0	1.0	0.0	1.0	4.0	11.0	20.0	23.0	
27	27.0	24.0	18.0	10.0	2.0	1.0	0.0	1.0	4.0	11.0	20.0	24.0	
28	27.0	24.0	18.0	10.0	2.0	1.0	0.0	1.0	4.0	11.0	20.0	25.0	
29	27.0	24.0	17.0	10.0	2.0	1.0	0.0	1.0	4.0	11.0	20.0	25.0	
30	27.0		17.0	10.0	2.0	1.0	0.0	1.0	4.0	11.0	20.0	25.0	
31	27.0		17.0		2.0		0.0	1.0		11.0		25.0	
Total	831.0	731.0	615.0	372.0	139.0	35.0	5.0	12.0	94.0	278.0	511.0	715.0	4338.0

2024 HDD Forecast: East Weather Zone (based on 15C)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	22.0	23.0	20.0	12.0	6.0	0.0	0.0	0.0	0.0	4.0	11.0	19.0	
2	22.0	23.0	20.0	12.0	6.0	0.0	0.0	0.0	0.0	4.0	11.0	18.0	
3	23.0	23.0	19.0	12.0	4.0	0.0	0.0	0.0	0.0	4.0	11.0	18.0	
4	22.0	23.0	19.0	12.0	4.0	0.0	0.0	0.0	0.0	4.0	11.0	19.0	
5	22.0	23.0	19.0	12.0	4.0	0.0	0.0	0.0	0.0	4.0	11.0	19.0	
6	22.0	23.0	19.0	11.0	3.0	0.0	0.0	0.0	0.0	4.0	12.0	19.0	
7	22.0	23.0	19.0	11.0	3.0	0.0	0.0	0.0	0.0	5.0	12.0	19.0	
8	23.0	23.0	18.0	11.0	3.0	0.0	0.0	0.0	0.0	5.0	12.0	19.0	
9	23.0	23.0	18.0	11.0	3.0	0.0	0.0	0.0	0.0	5.0	12.0	19.0	
10	23.0	23.0	18.0	11.0	3.0	0.0	0.0	0.0	0.0	5.0	13.0	19.0	
11	23.0	23.0	18.0	10.0	3.0	0.0	0.0	0.0	0.0	5.0	13.0	19.0	
12	23.0	22.0	18.0	10.0	3.0	0.0	0.0	0.0	0.0	5.0	13.0	20.0	
13	24.0	22.0	17.0	10.0	2.0	0.0	0.0	0.0	0.0	5.0	13.0	20.0	
14	24.0	22.0	17.0	10.0	2.0	0.0	0.0	0.0	0.0	6.0	14.0	20.0	
15	26.0	22.0	17.0	10.0	2.0	0.0	0.0	0.0	0.0	6.0	14.0	20.0	
16	25.0	22.0	17.0	9.0	1.0	0.0	0.0	0.0	0.0	6.0	14.0	20.0	
17	25.0	22.0	17.0	9.0	1.0	0.0	0.0	0.0	0.0	6.0	14.0	20.0	
18	25.0	22.0	16.0	9.0	1.0	0.0	0.0	0.0	0.0	6.0	15.0	20.0	
19	25.0	22.0	16.0	9.0	1.0	0.0	0.0	0.0	0.0	6.0	15.0	20.0	
20	25.0	22.0	16.0	9.0	0.0	0.0	0.0	0.0	0.0	7.0	15.0	21.0	
21	25.0	22.0	16.0	8.0	0.0	0.0	0.0	0.0	1.0	7.0	15.0	21.0	
22	25.0	22.0	16.0	8.0	0.0	0.0	0.0	0.0	1.0	7.0	15.0	21.0	
23	25.0	22.0	15.0	7.0	0.0	0.0	0.0	0.0	1.0	7.0	16.0	21.0	
24	25.0	22.0	15.0	7.0	0.0	0.0	0.0	0.0	1.0	7.0	17.0	21.0	
25	25.0	21.0	15.0	7.0	0.0	0.0	0.0	0.0	1.0	7.0	17.0	21.0	
26	24.0	21.0	15.0	7.0	0.0	0.0	0.0	0.0	1.0	8.0	17.0	20.0	
27	24.0	21.0	15.0	7.0	0.0	0.0	0.0	0.0	1.0	8.0	17.0	21.0	
28	24.0	21.0	15.0	7.0	0.0	0.0	0.0	0.0	1.0	8.0	17.0	22.0	
29	24.0	21.0	14.0	7.0	0.0	0.0	0.0	0.0	1.0	8.0	17.0	22.0	
30	24.0		14.0	7.0	0.0	0.0	0.0	0.0	1.0	8.0	17.0	22.0	
31	24.0		14.0		0.0		0.0	0.0		8.0		22.0	
Total	738.0	644.0	522.0	282.0	55.0	0.0	0.0	0.0	10.0	185.0	421.0	622.0	3479.0

2024 HDD Forecast: West Weather Zone (based on 18C)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	20.0	21.0	19.0	13.0	8.0	1.0	1.0	0.0	1.0	4.0	10.0	16.0	
2	20.0	21.0	19.0	13.0	8.0	1.0	0.0	0.0	1.0	4.0	10.0	16.0	
3	20.0	21.0	19.0	13.0	8.0	1.0	0.0	0.0	1.0	4.0	10.0	16.0	
4	20.0	21.0	18.0	13.0	8.0	1.0	0.0	0.0	1.0	4.0	10.0	16.0	
5	20.0	21.0	18.0	13.0	8.0	1.0	0.0	0.0	1.0	5.0	11.0	16.0	
6	20.0	21.0	18.0	13.0	7.0	1.0	0.0	0.0	1.0	5.0	11.0	16.0	
7	20.0	21.0	18.0	13.0	7.0	1.0	0.0	0.0	1.0	5.0	11.0	16.0	
8	20.0	21.0	18.0	13.0	7.0	1.0	0.0	0.0	1.0	5.0	11.0	16.0	
9	20.0	21.0	17.0	13.0	6.0	1.0	0.0	0.0	1.0	5.0	12.0	16.0	
10	20.0	21.0	17.0	12.0	6.0	1.0	0.0	0.0	1.0	5.0	12.0	17.0	
11	20.0	21.0	17.0	12.0	6.0	1.0	0.0	0.0	1.0	6.0	12.0	17.0	
12	20.0	20.0	17.0	12.0	6.0	1.0	0.0	0.0	1.0	6.0	12.0	17.0	
13	20.0	20.0	17.0	12.0	5.0	1.0	0.0	0.0	1.0	6.0	12.0	17.0	
14	20.0	20.0	16.0	12.0	5.0	1.0	0.0	0.0	2.0	6.0	13.0	17.0	
15	22.0	20.0	16.0	11.0	5.0	1.0	0.0	0.0	2.0	6.0	13.0	17.0	
16	21.0	20.0	16.0	11.0	4.0	1.0	0.0	0.0	2.0	6.0	13.0	17.0	
17	21.0	20.0	16.0	11.0	4.0	1.0	0.0	0.0	2.0	7.0	13.0	17.0	
18	21.0	20.0	16.0	11.0	4.0	1.0	0.0	0.0	2.0	7.0	14.0	18.0	
19	21.0	20.0	16.0	11.0	3.0	1.0	0.0	0.0	2.0	7.0	14.0	18.0	
20	21.0	20.0	15.0	10.0	3.0	1.0	0.0	0.0	2.0	7.0	14.0	18.0	
21	21.0	20.0	15.0	10.0	3.0	1.0	0.0	0.0	2.0	7.0	14.0	18.0	
22	21.0	20.0	15.0	10.0	3.0	1.0	0.0	0.0	2.0	7.0	15.0	18.0	
23	21.0	20.0	15.0	10.0	2.0	1.0	0.0	0.0	2.0	7.0	16.0	18.0	
24	21.0	20.0	15.0	10.0	2.0	0.0	0.0	0.0	2.0	8.0	16.0	18.0	
25	21.0	19.0	14.0	9.0	1.0	0.0	0.0	0.0	2.0	8.0	16.0	18.0	
26	21.0	19.0	14.0	9.0	1.0	0.0	0.0	0.0	2.0	8.0	16.0	18.0	
27	21.0	19.0	14.0	9.0	1.0	0.0	0.0	0.0	2.0	8.0	16.0	18.0	
28	21.0	19.0	14.0	9.0	1.0	0.0	0.0	0.0	3.0	8.0	16.0	19.0	
29	21.0	19.0	14.0	9.0	1.0	0.0	0.0	1.0	3.0	8.0	16.0	19.0	
30	21.0		13.0	8.0	1.0	0.0	0.0	1.0	3.0	9.0	16.0	19.0	
31	21.0		13.0		1.0		0.0	1.0		9.0		19.0	
Total	638.0	586.0	499.0	335.0	135.0	23.0	1.0	3.0	50.0	197.0	395.0	536.0	3398.0

2024 HDD Forecast: West Weather Zone (based on 15C)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	17.0	18.0	16.0	10.0	5.0	0.0	0.0	0.0	0.0	1.0	7.0	13.0	
2	17.0	18.0	16.0	10.0	5.0	0.0	0.0	0.0	0.0	1.0	7.0	13.0	
3	17.0	18.0	16.0	10.0	5.0	0.0	0.0	0.0	0.0	1.0	7.0	13.0	
4	17.0	18.0	15.0	10.0	5.0	0.0	0.0	0.0	0.0	1.0	7.0	13.0	
5	17.0	18.0	15.0	10.0	5.0	0.0	0.0	0.0	0.0	2.0	8.0	13.0	
6	17.0	18.0	15.0	10.0	4.0	0.0	0.0	0.0	0.0	2.0	8.0	13.0	
7	17.0	18.0	15.0	10.0	4.0	0.0	0.0	0.0	0.0	2.0	8.0	13.0	
8	17.0	18.0	15.0	10.0	4.0	0.0	0.0	0.0	0.0	2.0	8.0	13.0	
9	17.0	18.0	14.0	10.0	3.0	0.0	0.0	0.0	0.0	2.0	9.0	13.0	
10	17.0	18.0	14.0	9.0	3.0	0.0	0.0	0.0	0.0	2.0	9.0	14.0	
11	17.0	18.0	14.0	9.0	3.0	0.0	0.0	0.0	0.0	3.0	9.0	14.0	
12	17.0	17.0	14.0	9.0	3.0	0.0	0.0	0.0	0.0	3.0	9.0	14.0	
13	17.0	17.0	14.0	9.0	2.0	0.0	0.0	0.0	0.0	3.0	9.0	14.0	
14	17.0	17.0	13.0	9.0	2.0	0.0	0.0	0.0	0.0	3.0	10.0	14.0	
15	19.0	17.0	13.0	8.0	2.0	0.0	0.0	0.0	0.0	3.0	10.0	14.0	
16	18.0	17.0	13.0	8.0	1.0	0.0	0.0	0.0	0.0	3.0	10.0	14.0	
17	18.0	17.0	13.0	8.0	1.0	0.0	0.0	0.0	0.0	4.0	10.0	14.0	
18	18.0	17.0	13.0	8.0	1.0	0.0	0.0	0.0	0.0	4.0	11.0	15.0	
19	18.0	17.0	13.0	8.0	0.0	0.0	0.0	0.0	0.0	4.0	11.0	15.0	
20	18.0	17.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	4.0	11.0	15.0	
21	18.0	17.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	4.0	11.0	15.0	
22	18.0	17.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	4.0	12.0	15.0	
23	18.0	17.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	4.0	13.0	15.0	
24	18.0	17.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	15.0	
25	18.0	16.0	11.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	15.0	
26	18.0	16.0	11.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	15.0	
27	18.0	16.0	11.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	15.0	
28	18.0	16.0	11.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	16.0	
29	18.0	16.0	11.0	6.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	16.0	
30	18.0		10.0	5.0	0.0	0.0	0.0	0.0	0.0	6.0	13.0	16.0	
31	18.0		10.0		0.0		0.0	0.0		6.0		16.0	
Total	545.0	499.0	406.0	245.0	58.0	0.0	0.0	0.0	0.0	104.0	305.0	443.0	2605.0

2024 HDD Forecast: South Weather Zone (based on 18C)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	21.0	23.0	20.0	15.0	9.0	1.0	1.0	0.0	2.0	5.0	11.0	18.0	
2	21.0	23.0	20.0	15.0	9.0	1.0	1.0	0.0	2.0	6.0	12.0	18.0	
3	21.0	23.0	20.0	14.0	8.0	1.0	1.0	0.0	2.0	6.0	12.0	18.0	
4	21.0	23.0	20.0	14.0	8.0	1.0	1.0	0.0	2.0	6.0	12.0	18.0	
5	22.0	23.0	19.0	14.0	8.0	1.0	1.0	0.0	2.0	6.0	12.0	18.0	
6	22.0	23.0	19.0	14.0	8.0	1.0	0.0	0.0	2.0	6.0	13.0	18.0	
7	22.0	23.0	19.0	14.0	7.0	1.0	0.0	0.0	2.0	6.0	13.0	18.0	
8	22.0	23.0	19.0	13.0	7.0	1.0	0.0	0.0	2.0	6.0	13.0	18.0	
9	22.0	23.0	19.0	13.0	7.0	1.0	0.0	0.0	2.0	7.0	13.0	18.0	
10	22.0	23.0	18.0	13.0	6.0	1.0	0.0	0.0	2.0	7.0	14.0	18.0	
11	22.0	23.0	18.0	13.0	6.0	1.0	0.0	0.0	2.0	7.0	14.0	18.0	
12	22.0	22.0	18.0	13.0	6.0	1.0	0.0	0.0	2.0	7.0	14.0	18.0	
13	22.0	22.0	18.0	12.0	5.0	1.0	0.0	0.0	2.0	7.0	14.0	19.0	
14	22.0	22.0	18.0	12.0	5.0	1.0	0.0	0.0	2.0	7.0	15.0	19.0	
15	25.0	22.0	17.0	12.0	5.0	1.0	0.0	0.0	2.0	8.0	15.0	19.0	
16	24.0	22.0	17.0	12.0	5.0	1.0	0.0	0.0	3.0	8.0	15.0	19.0	
17	24.0	22.0	17.0	12.0	4.0	1.0	0.0	0.0	3.0	8.0	15.0	19.0	
18	24.0	22.0	17.0	11.0	4.0	1.0	0.0	0.0	3.0	8.0	15.0	19.0	
19	24.0	22.0	17.0	11.0	4.0	1.0	0.0	0.0	3.0	8.0	16.0	19.0	
20	24.0	22.0	17.0	11.0	3.0	1.0	0.0	1.0	3.0	8.0	16.0	19.0	
21	24.0	22.0	16.0	10.0	3.0	1.0	0.0	1.0	3.0	9.0	17.0	19.0	
22	23.0	22.0	16.0	10.0	3.0	1.0	0.0	1.0	3.0	9.0	17.0	19.0	
23	23.0	22.0	16.0	10.0	3.0	1.0	0.0	1.0	3.0	9.0	17.0	19.0	
24	23.0	21.0	16.0	10.0	2.0	1.0	0.0	1.0	3.0	9.0	17.0	20.0	
25	23.0	21.0	15.0	10.0	2.0	1.0	0.0	1.0	3.0	9.0	17.0	20.0	
26	23.0	21.0	15.0	10.0	1.0	1.0	0.0	1.0	3.0	9.0	18.0	20.0	
27	23.0	21.0	15.0	10.0	1.0	1.0	0.0	1.0	3.0	10.0	18.0	20.0	
28	23.0	21.0	15.0	9.0	1.0	1.0	0.0	1.0	3.0	10.0	18.0	21.0	
29	23.0	21.0	15.0	9.0	1.0	1.0	0.0	1.0	3.0	10.0	18.0	21.0	
30	23.0		15.0	9.0	1.0	1.0	0.0	1.0	3.0	10.0	18.0	21.0	
31	23.0		15.0		1.0		0.0	1.0		10.0		21.0	
Total	703.0	643.0	536.0	355.0	143.0	30.0	5.0	12.0	75.0	241.0	449.0	589.0	3781.0

2024 HDD Forecast: South Weather Zone (based on 15C)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	18.0	20.0	17.0	12.0	6.0	0.0	0.0	0.0	0.0	2.0	8.0	15.0	
2	18.0	20.0	17.0	12.0	6.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	
3	18.0	20.0	17.0	11.0	5.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	
4	18.0	20.0	17.0	11.0	5.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	
5	19.0	20.0	16.0	11.0	5.0	0.0	0.0	0.0	0.0	3.0	9.0	15.0	
6	19.0	20.0	16.0	11.0	5.0	0.0	0.0	0.0	0.0	3.0	10.0	15.0	
7	19.0	20.0	16.0	11.0	4.0	0.0	0.0	0.0	0.0	3.0	10.0	15.0	
8	19.0	20.0	16.0	10.0	4.0	0.0	0.0	0.0	0.0	3.0	10.0	15.0	
9	19.0	20.0	16.0	10.0	4.0	0.0	0.0	0.0	0.0	4.0	10.0	15.0	
10	19.0	20.0	15.0	10.0	3.0	0.0	0.0	0.0	0.0	4.0	11.0	15.0	
11	19.0	20.0	15.0	10.0	3.0	0.0	0.0	0.0	0.0	4.0	11.0	15.0	
12	19.0	19.0	15.0	10.0	3.0	0.0	0.0	0.0	0.0	4.0	11.0	15.0	
13	19.0	19.0	15.0	9.0	2.0	0.0	0.0	0.0	0.0	4.0	11.0	16.0	
14	19.0	19.0	15.0	9.0	2.0	0.0	0.0	0.0	0.0	4.0	12.0	16.0	
15	22.0	19.0	14.0	9.0	2.0	0.0	0.0	0.0	0.0	5.0	12.0	16.0	
16	21.0	19.0	14.0	9.0	2.0	0.0	0.0	0.0	0.0	5.0	12.0	16.0	
17	21.0	19.0	14.0	9.0	1.0	0.0	0.0	0.0	0.0	5.0	12.0	16.0	
18	21.0	19.0	14.0	8.0	1.0	0.0	0.0	0.0	0.0	5.0	12.0	16.0	
19	21.0	19.0	14.0	8.0	1.0	0.0	0.0	0.0	0.0	5.0	13.0	16.0	
20	21.0	19.0	14.0	8.0	0.0	0.0	0.0	0.0	0.0	5.0	13.0	16.0	
21	21.0	19.0	13.0	7.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	16.0	
22	20.0	19.0	13.0	7.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	16.0	
23	20.0	19.0	13.0	7.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	16.0	
24	20.0	18.0	13.0	7.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	17.0	
25	20.0	18.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	6.0	14.0	17.0	
26	20.0	18.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	6.0	15.0	17.0	
27	20.0	18.0	12.0	7.0	0.0	0.0	0.0	0.0	0.0	7.0	15.0	17.0	
28	20.0	18.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0	7.0	15.0	18.0	
29	20.0	18.0	12.0	6.0	0.0	0.0	0.0	0.0	0.0	7.0	15.0	18.0	
30	20.0		12.0	6.0	0.0	0.0	0.0	0.0	0.0	7.0	15.0	18.0	
31	20.0		12.0		0.0		0.0	0.0		7.0		18.0	
Total	610.0	556.0	443.0	265.0	64.0	0.0	0.0	0.0	0.0	148.0	359.0	496.0	2941.0

2024 HDD Forecast: North Weather Zone (based on 18C)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	25.0	27.0	24.0	18.0	11.0	3.0	1.0	0.0	3.0	8.0	14.0	23.0	
2	26.0	27.0	23.0	17.0	11.0	3.0	1.0	0.0	3.0	8.0	14.0	23.0	
3	26.0	27.0	23.0	17.0	10.0	3.0	1.0	0.0	3.0	8.0	15.0	23.0	
4	26.0	27.0	23.0	17.0	10.0	2.0	1.0	0.0	3.0	8.0	15.0	23.0	
5	26.0	27.0	23.0	17.0	10.0	2.0	1.0	0.0	3.0	8.0	15.0	22.0	
6	26.0	27.0	23.0	17.0	10.0	2.0	1.0	0.0	3.0	8.0	15.0	22.0	
7	26.0	27.0	22.0	16.0	9.0	2.0	1.0	0.0	3.0	9.0	16.0	22.0	
8	26.0	27.0	22.0	16.0	9.0	2.0	1.0	0.0	3.0	9.0	16.0	23.0	
9	26.0	27.0	22.0	16.0	9.0	2.0	1.0	0.0	4.0	9.0	16.0	23.0	
10	26.0	27.0	22.0	16.0	8.0	2.0	1.0	1.0	4.0	9.0	16.0	23.0	
11	26.0	27.0	22.0	16.0	8.0	2.0	1.0	1.0	4.0	9.0	17.0	23.0	
12	26.0	26.0	22.0	15.0	8.0	2.0	1.0	1.0	4.0	9.0	17.0	23.0	
13	27.0	26.0	21.0	15.0	7.0	2.0	1.0	1.0	4.0	10.0	17.0	23.0	
14	27.0	26.0	21.0	15.0	7.0	2.0	1.0	1.0	4.0	10.0	17.0	23.0	
15	29.0	26.0	21.0	15.0	7.0	2.0	1.0	1.0	4.0	10.0	17.0	23.0	
16	28.0	26.0	21.0	15.0	7.0	2.0	0.0	1.0	4.0	10.0	18.0	24.0	
17	28.0	26.0	21.0	14.0	6.0	2.0	0.0	1.0	4.0	10.0	18.0	24.0	
18	28.0	26.0	20.0	14.0	6.0	2.0	0.0	1.0	4.0	10.0	18.0	24.0	
19	28.0	26.0	20.0	14.0	6.0	2.0	0.0	1.0	4.0	11.0	18.0	24.0	
20	28.0	26.0	20.0	14.0	5.0	2.0	0.0	1.0	4.0	11.0	19.0	24.0	
21	28.0	26.0	20.0	13.0	5.0	2.0	0.0	1.0	4.0	11.0	19.0	24.0	
22	28.0	26.0	20.0	13.0	5.0	2.0	0.0	1.0	4.0	11.0	19.0	24.0	
23	27.0	26.0	19.0	12.0	5.0	2.0	0.0	1.0	5.0	11.0	19.0	24.0	
24	27.0	25.0	19.0	12.0	4.0	2.0	0.0	1.0	5.0	11.0	20.0	24.0	
25	27.0	25.0	19.0	12.0	4.0	2.0	0.0	1.0	5.0	12.0	20.0	24.0	
26	27.0	25.0	19.0	12.0	3.0	2.0	0.0	2.0	5.0	12.0	21.0	24.0	
27	27.0	25.0	19.0	12.0	3.0	2.0	0.0	2.0	5.0	12.0	21.0	24.0	
28	27.0	25.0	18.0	12.0	3.0	2.0	0.0	2.0	5.0	12.0	21.0	25.0	
29	27.0	25.0	18.0	12.0	3.0	2.0	0.0	2.0	5.0	12.0	21.0	25.0	
30	27.0		18.0	12.0	3.0	1.0	0.0	2.0	5.0	12.0	21.0	25.0	
31	27.0		18.0		3.0		0.0	2.0		12.0		25.0	
Total	833.0	759.0	643.0	436.0	205.0	62.0	15.0	28.0	120.0	312.0	530.0	730.0	4673.0

2024 HDD Forecast: North Weather Zone (based on 15C)

Line No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(n)
1	22.0	24.0	21.0	15.0	8.0	0.0	0.0	0.0	0.0	5.0	11.0	20.0	
2	23.0	24.0	20.0	14.0	8.0	0.0	0.0	0.0	0.0	5.0	11.0	20.0	
3	23.0	24.0	20.0	14.0	7.0	0.0	0.0	0.0	0.0	5.0	12.0	20.0	
4	23.0	24.0	20.0	14.0	7.0	0.0	0.0	0.0	0.0	5.0	12.0	20.0	
5	23.0	24.0	20.0	14.0	7.0	0.0	0.0	0.0	0.0	5.0	12.0	19.0	
6	23.0	24.0	20.0	14.0	7.0	0.0	0.0	0.0	0.0	5.0	12.0	19.0	
7	23.0	24.0	19.0	13.0	6.0	0.0	0.0	0.0	0.0	6.0	13.0	19.0	
8	23.0	24.0	19.0	13.0	6.0	0.0	0.0	0.0	0.0	6.0	13.0	20.0	
9	23.0	24.0	19.0	13.0	6.0	0.0	0.0	0.0	1.0	6.0	13.0	20.0	
10	23.0	24.0	19.0	13.0	5.0	0.0	0.0	0.0	1.0	6.0	13.0	20.0	
11	23.0	24.0	19.0	13.0	5.0	0.0	0.0	0.0	1.0	6.0	14.0	20.0	
12	23.0	23.0	19.0	12.0	5.0	0.0	0.0	0.0	1.0	6.0	14.0	20.0	
13	24.0	23.0	18.0	12.0	4.0	0.0	0.0	0.0	1.0	7.0	14.0	20.0	
14	24.0	23.0	18.0	12.0	4.0	0.0	0.0	0.0	1.0	7.0	14.0	20.0	
15	26.0	23.0	18.0	12.0	4.0	0.0	0.0	0.0	1.0	7.0	14.0	20.0	
16	25.0	23.0	18.0	12.0	4.0	0.0	0.0	0.0	1.0	7.0	15.0	21.0	
17	25.0	23.0	18.0	11.0	3.0	0.0	0.0	0.0	1.0	7.0	15.0	21.0	
18	25.0	23.0	17.0	11.0	3.0	0.0	0.0	0.0	1.0	7.0	15.0	21.0	
19	25.0	23.0	17.0	11.0	3.0	0.0	0.0	0.0	1.0	8.0	15.0	21.0	
20	25.0	23.0	17.0	11.0	2.0	0.0	0.0	0.0	1.0	8.0	16.0	21.0	
21	25.0	23.0	17.0	10.0	2.0	0.0	0.0	0.0	1.0	8.0	16.0	21.0	
22	25.0	23.0	17.0	10.0	2.0	0.0	0.0	0.0	1.0	8.0	16.0	21.0	
23	24.0	23.0	16.0	9.0	2.0	0.0	0.0	0.0	2.0	8.0	16.0	21.0	
24	24.0	22.0	16.0	9.0	1.0	0.0	0.0	0.0	2.0	8.0	17.0	21.0	
25	24.0	22.0	16.0	9.0	1.0	0.0	0.0	0.0	2.0	9.0	17.0	21.0	
26	24.0	22.0	16.0	9.0	0.0	0.0	0.0	0.0	2.0	9.0	18.0	21.0	
27	24.0	22.0	16.0	9.0	0.0	0.0	0.0	0.0	2.0	9.0	18.0	21.0	
28	24.0	22.0	15.0	9.0	0.0	0.0	0.0	0.0	2.0	9.0	18.0	22.0	
29	24.0	22.0	15.0	9.0	0.0	0.0	0.0	0.0	2.0	9.0	18.0	22.0	
30	24.0		15.0	9.0	0.0	0.0	0.0	0.0	2.0	9.0	18.0	22.0	
31	24.0		15.0		0.0		0.0	0.0		9.0		22.0	
Total	740.0	672.0	550.0	346.0	112.0	0.0	0.0	0.0	30.0	219.0	440.0	637.0	3746.0

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 2, Sch. 5, Attachment 7

Question(s):

Please update the tables in Attachment 7 to reflect actual normalized figures for 2022.

Response:

Please see Attachment 1.

Normalized Average Use By Rate Class

Line No.	Particulars (m ³)	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Actual (f)	Actual (g)	Actual (h)	Actual (i)	Actual (j)	Actual (k)	Bridge Year (l)	Test Year (m)
<u>EGD Rate Zone</u>														
1	Rate 1	2,509	2,482	2,475	2,425	2,392	2,438	2,415	2,403	2,428	2,373	2,340	2,334	2,317
2	Variance / Change		(27)	(6)	(50)	(33)	46	(23)	(12)	24	(54)	(33)	(6)	(17)
3	Variance / Growth Rate		(1.1%)	(0.3%)	(2.0%)	(1.4%)	1.9%	(1.0%)	(0.5%)	1.0%	(2.2%)	(1.4%)	(0.3%)	(0.7%)
4	Rate 6	28,951	28,581	29,363	28,811	27,659	28,570	30,008	29,201	27,987	27,159	27,490	28,042	27,727
5	Variance / Change		(370)	782	(552)	(1,151)	911	1,437	(806)	(1,214)	(829)	331	553	(316)
6	Variance / Growth Rate		(1.3%)	2.7%	(1.9%)	(4.0%)	3.3%	5.0%	(2.7%)	(4.2%)	(3.0%)	1.2%	2.0%	(1.1%)
<u>Union Rate Zone</u>														
7	Rate M1	2,785	2,801	2,817	2,708	2,652	2,736	2,756	2,775	2,742	2,643	2,633	2,703	2,706
8	Variance / Change		16	16	(109)	(56)	84	20	19	(32)	(99)	(9)	69	3
9	Variance / Growth Rate		0.6%	0.6%	(3.9%)	(2.1%)	3.2%	0.7%	0.7%	(1.2%)	(3.6%)	(0.4%)	2.6%	0.1%
10	Rate M2	169,027	169,497	168,301	164,314	158,540	165,473	167,330	167,068	158,391	148,929	149,310	166,887	163,484
11	Variance / Change		470	(1,196)	(3,987)	(5,773)	6,933	1,857	(262)	(8,677)	(9,462)	382	17,577	(3,403)
12	Variance / Growth Rate		0.3%	(0.7%)	(2.4%)	(3.5%)	4.4%	1.1%	(0.2%)	(5.2%)	(6.0%)	0.3%	11.8%	(2.0%)
13	Rate 01	2,843	2,821	2,861	2,736	2,682	2,726	2,731	2,741	2,735	2,638	2,712	2,657	2,677
14	Variance / Change		(22)	39	(125)	(53)	44	5	10	(6)	(97)	74	(55)	20
15	Variance / Growth Rate		(0.8%)	1.4%	(4.4%)	(2.0%)	1.6%	0.2%	0.4%	(0.2%)	(3.6%)	2.8%	(2.0%)	0.8%
16	Rate 10	164,677	164,121	168,750	158,476	154,005	157,466	160,130	163,313	153,707	144,582	138,622	155,512	148,753
17	Variance / Change		(556)	4,629	(10,274)	(4,471)	3,461	2,664	3,183	(9,605)	(9,125)	(5,960)	16,890	(6,759)
18	Variance / Growth Rate		(0.3%)	2.8%	(6.1%)	(2.8%)	2.2%	1.7%	2.0%	(5.9%)	(5.9%)	(4.1%)	12.2%	(4.3%)

Note:

(1) Normalized to 2024 Test Year Forecast HDDs.

Normalized Average Use By Sector

Line No.	Particulars (m ³)	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Actual (f)	Actual (g)	Actual (h)	Actual (i)	Actual (j)	Actual (k)	Bridge Year (l)	Test Year (m)
<u>Enbridge Gas (1)</u>														
1	Residential	2,422	2,405	2,402	2,342	2,315	2,362	2,346	2,348	2,359	2,298	2,273	2,278	2,263
2	Variance / Change		(18)	(3)	(60)	(27)	47	(15)	1	11	(60)	(25)	5	(15)
3	Variance / Growth Rate		(0.7%)	(0.1%)	(2.5%)	(1.1%)	2.0%	(0.6%)	0.1%	0.5%	(2.6%)	(1.1%)	0.2%	(0.7%)
4	Commercial	22,151	22,108	22,686	22,251	21,566	22,325	23,156	22,934	22,267	21,400	21,915	22,464	22,279
5	Variance / Change		(43)	578	(435)	(685)	759	831	(222)	(667)	(867)	515	548	(185)
6	Variance / Growth Rate		(0.2%)	2.6%	(1.9%)	(3.1%)	3.5%	3.7%	(1.0%)	(2.9%)	(3.9%)	2.4%	2.5%	(0.8%)
7	Industrial	99,372	98,261	100,815	101,288	99,235	101,994	104,626	103,087	93,512	90,397	86,880	99,234	96,600
8	Variance / Change		(1,111)	2,554	474	(2,053)	2,758	2,632	(1,539)	(9,575)	(3,115)	(3,517)	12,354	(2,634)
9	Variance / Growth Rate		(1.1%)	2.6%	0.5%	(2.0%)	2.8%	2.6%	(1.5%)	(9.3%)	(3.3%)	(3.9%)	14.2%	(2.7%)
10	Non-Residential	25,500	25,334	25,952	25,503	24,707	25,480	26,358	26,009	24,984	23,985	24,314	25,305	25,018
11	Variance / Change		(165)	617	(449)	(795)	772	879	(350)	(1,025)	(999)	329	991	(287)
12	Variance / Growth Rate		(0.6%)	2.4%	(1.7%)	(3.1%)	3.1%	3.4%	(1.3%)	(3.9%)	(4.0%)	1.4%	4.1%	(1.1%)

Notes:

- (1) 2012 to 2018 represents the combined values from EGD and Union.
- (2) Normalized to 2024 Test Year Forecast HDDs.

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 2, Sch. 6

Question(s):

- a) Please update Figures 2 and 3 to reflect actual data for 2022.
- b) Please update the tables in Attachments 1 and 2 to reflect actual data for 2022.
- c) How does EGI calculate the average number of customers in Attachment 2? Is it the average of the opening and closing number of customers on an annual basis, they average of the monthly averages or some other methodology?

Response:

- a) Please see Figures 2 and 3 which have been updated to reflect actual data for 2022.

Figure 2: Ontario Total & Non-apartment Housing Starts (Actual and Forecast)

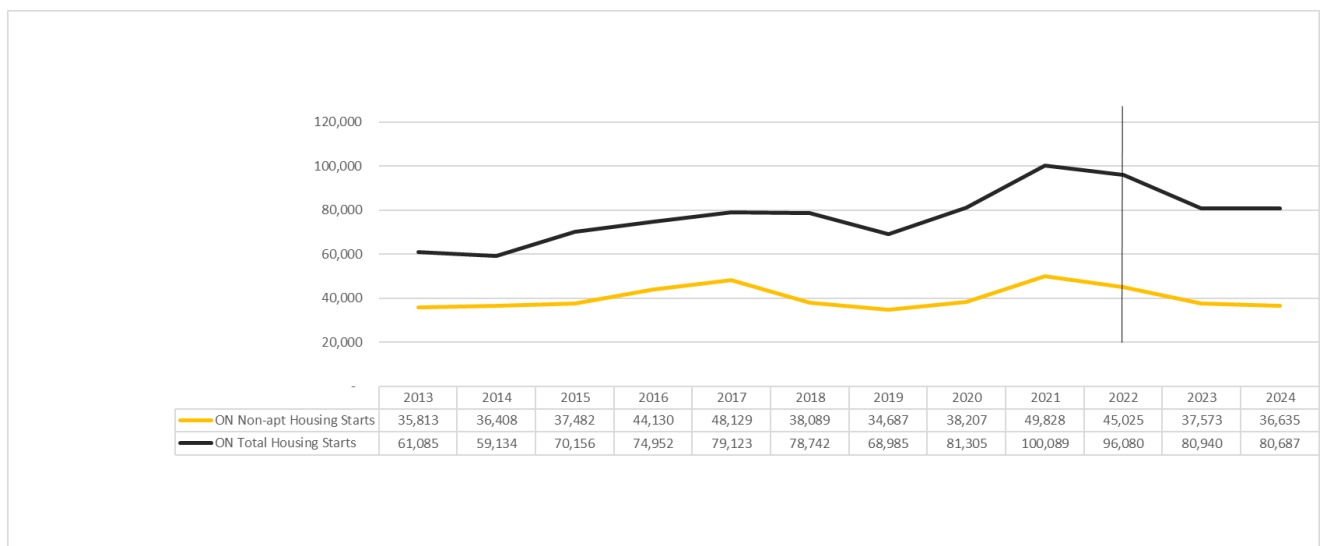
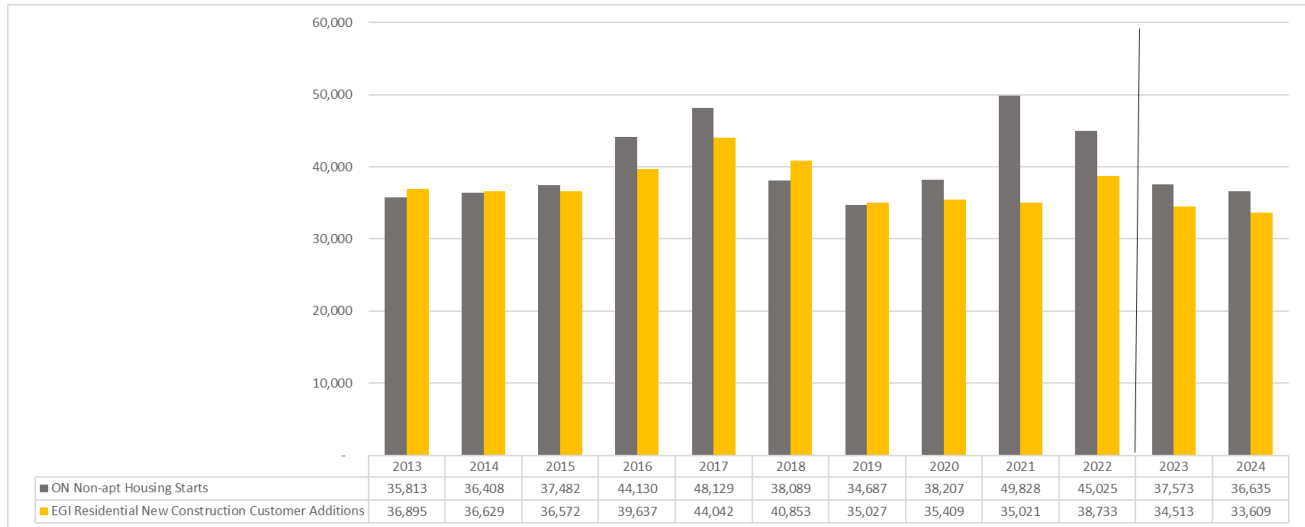


Figure 3: Ontario Non-apartment Housing Starts & Enbridge Gas Residential New Construction Customer Additions (Actual and Forecast)



- b) Please see Attachment 1 and 2 for updated tables that reflect actual data for 2022.
- c) Enbridge Gas calculates the annual average number of customers reported in Attachment 2 by taking the average of each month's total customers over the 12-month period (January to December).

Specifically, each year's annual average is calculated as follows:

$$\text{annual average number of customers} = (1/12) * (\text{total customers in January} + \text{total customers in February} + \text{total customers in March} + \text{total customers in April} + \text{total customers in May} + \text{total customers in June} + \text{total customers in July} + \text{total customers in August} + \text{total customers in September} + \text{total customers in October} + \text{total customers in November} + \text{total customers in December})$$

Customer Additions (Actual and Forecast)

Line No.	Sector	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Actual (f)	Actual (g)	Actual (h)	Actual (i)	Actual (j)	Bridge Year (k)	Test Year (l)
<u>Residential</u>													
1	New Construction	36,895	36,629	36,572	39,637	44,042	40,853	35,027	35,409	35,021	38,733	34,513	33,609
2	Replacement	14,111	15,128	11,403	8,369	7,465	6,831	6,103	5,537	5,038	4,378	4,878	5,639
3	Total	51,006	51,757	47,975	48,006	51,507	47,684	41,130	40,946	40,059	43,111	39,391	39,248
<u>Commercial</u>													
4	New Construction	3,318	3,123	2,893	2,648	2,706	2,555	2,553	1,976	1,889	1,557	1,975	1,879
5	Replacement	508	730	725	525	740	582	470	427	476	1,097	477	489
6	Total	3,826	3,853	3,618	3,173	3,446	3,137	3,023	2,403	2,365	2,654	2,452	2,368
<u>Industrial</u>													
7	New Construction	68	56	61	42	47	38	40	19	49	20	33	31
8	Replacement	3	2	3	3	1	0	1	1	9	32	3	1
9	Total	71	58	64	45	48	38	41	20	58	52	36	32
10	Total Customer Additions	54,903	55,668	51,657	51,224	55,001	50,859	44,194	43,369	42,482	45,817	41,879	41,648

Average Number of Customers (Actual and Forecast)

Line No.	Rate Class / Sector	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Actual (f)	Actual (g)	Actual (h)	Actual (i)	Actual (j)	Bridge Year (k)	Test Year (l)
<u>EGD Rate Zone</u>													
1	Rate 1	1,869,324	1,901,207	1,930,657	1,959,569	1,990,032	2,017,128	2,042,127	2,064,532	2,087,370	2,109,164	2,135,398	2,158,512
2	Rate 6 (1)	160,265	162,236	163,640	164,698	166,227	167,217	168,192	169,086	169,869	169,732	171,742	172,843
3	Total	2,029,589	2,063,443	2,094,297	2,124,267	2,156,259	2,184,345	2,210,319	2,233,618	2,257,238	2,278,896	2,307,139	2,331,355
<u>Union Rate Zones</u>													
4	Rate M1	1,056,943	1,070,181	1,083,032	1,097,031	1,111,544	1,127,353	1,141,279	1,154,987	1,167,200	1,178,796	1,190,577	1,202,887
5	Rate M2	6,708	6,944	7,437	7,730	7,553	7,469	7,783	7,863	7,934	7,970	8,011	8,069
6	Rate 01	321,231	327,563	333,773	339,334	344,458	349,354	353,643	357,603	360,849	364,123	366,361	369,169
7	Rate 10	2,043	2,027	2,152	2,219	2,192	2,118	2,144	2,201	2,200	2,258	2,200	2,204
8	Total	1,386,925	1,406,715	1,426,394	1,446,314	1,465,747	1,486,294	1,504,849	1,522,654	1,538,182	1,553,148	1,567,149	1,582,329
<u>EGI By Sector</u>													
9	Residential	3,138,374	3,188,916	3,237,152	3,285,272	3,334,545	3,381,450	3,424,068	3,463,393	3,501,048	3,537,833	3,576,885	3,613,542
10	Commercial	266,736	269,832	272,217	274,088	276,298	278,094	280,104	281,894	283,413	283,141	286,485	289,171
11	Industrial	11,404	11,410	11,322	11,221	11,163	11,095	10,996	10,985	10,960	11,070	10,918	10,971
12	Total	3,416,514	3,470,158	3,520,691	3,570,581	3,622,006	3,670,639	3,715,168	3,756,272	3,795,420	3,832,044	3,874,288	3,913,684

Note:

(1) Includes Rate 9.

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 2, Sch. 7

Question(s):

Please update the tables in Attachment 1 to reflect actual data for 2022.

Response:

Please see Attachment 1.

General Service Normalized Volumes (By Rate Class)

Line No.	Particulars (10 ⁶ m ³)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Actual (f)	Actual (g)	Actual (h)	Actual (i)	Actual (j)	Actual (k)	Forecast (l)	Forecast (m)
<u>EGD Rate Zone</u>														
1	Rate 1	4,609.0	4,640.2	4,707.0	4,684.2	4,688.7	4,851.5	4,871.7	4,904.4	5,011.9	4,953.5	4,936.5	4,984.2	5,001.0
2	Variance / Change		31	67	(23)	5	163	20	33	107	(58)	(17)	24	17
3	Variance / Growth Rate		0.7%	1.4%	(0.5%)	0.1%	3.5%	0.4%	0.7%	2.2%	(1.2%)	(0.3%)	0.5%	0.3%
4	Rate 6	4,617.1	4,608.4	4,790.3	4,741.0	4,579.0	4,762.5	5,037.7	4,923.7	4,744.6	4,619.2	4,675.8	4,819.3	4,795.7
5	Variance / Change		(9)	182	(49)	(162)	184	275	(114)	(179)	(125)	57	(1)	(24)
6	Variance / Growth Rate		(0.2%)	3.9%	(1.0%)	(3.4%)	4.0%	5.8%	(2.3%)	(3.6%)	(2.6%)	1.2%	(0.0%)	(0.5%)
<u>Union Rate Zone</u>														
7	Rate M1	2,902.6	2,957.7	3,012.3	2,931.3	2,907.0	3,037.8	3,103.1	3,164.7	3,166.1	3,083.2	3,103.0	3,218.1	3,255.1
8	Variance / Change		55	55	(81)	(24)	131	65	62	1	(83)	20	20	37
9	Variance / Growth Rate		1.9%	1.8%	(2.7%)	(0.8%)	4.5%	2.1%	2.0%	0.0%	(2.6%)	0.6%	0.6%	1.1%
10	Rate M2	1,123.9	1,140.7	1,167.4	1,204.4	1,224.8	1,256.2	1,247.7	1,295.0	1,246.2	1,179.9	1,193.9	1,337.1	1,319.4
11	Variance / Change		17	27	37	20	31	(9)	47	(49)	(66)	14	6	(18)
12	Variance / Growth Rate		1.5%	2.3%	3.2%	1.7%	2.6%	(0.7%)	3.8%	(3.8%)	(5.3%)	1.2%	0.5%	(1.3%)
13	Rate 01	897.6	906.1	936.9	912.9	909.9	938.5	953.8	969.2	978.0	951.2	987.1	974.0	989.0
14	Variance / Change		9	31	(24)	(3)	29	15	15	9	(27)	36	3	15
15	Variance / Growth Rate		0.9%	3.4%	(2.6%)	(0.3%)	3.1%	1.6%	1.6%	0.9%	(2.7%)	3.8%	0.3%	1.5%
16	Rate 10	342.6	337.8	342.4	337.5	343.0	348.0	339.4	348.2	337.5	317.7	314.9	342.3	328.0
17	Variance / Change		(5)	5	(5)	6	5	(9)	9	(11)	(20)	(3)	(0)	(14)
18	Variance / Growth Rate		(1.4%)	1.3%	(1.4%)	1.6%	1.4%	(2.5%)	2.6%	(3.1%)	(5.8%)	(0.9%)	(0.1%)	(4.2%)
19	Total General Service Volumes	14,492.8	14,590.9	14,956.3	14,811.2	14,652.4	15,194.4	15,553.4	15,605.3	15,484.1	15,104.8	15,211.2	15,675.0	15,688.2

Note:

(1) All normalized based on 2024 Forecast HDDs.

General Service Normalized Volumes (By Sector)

Line No.	Particulars (10 ⁶ m ³)	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Actual (f)	Actual (g)	Actual (h)	Actual (i)	Actual (j)	Actual (k)	Bridge Year (l)	Test Year (m)
	<u>EGI</u>													
	<u>Residential</u>													
1	Residential	7,476.4	7,544.4	7,657.6	7,580.1	7,603.2	7,870.0	7,930.9	8,034.1	8,166.9	8,044.3	8,040.8	8,149.4	8,179.3
2	Variance / Change		68	113	(78)	23	267	61	103	133	(123)	(4)	42	30
3	Variance / Growth Rate		0.9%	1.5%	(1.0%)	0.3%	3.5%	0.8%	1.3%	1.7%	(1.5%)	(0.0%)	0.5%	0.4%
	<u>Non-Residential</u>													
4	Commercial	5,872.9	5,921.1	6,144.9	6,080.2	5,932.0	6,183.1	6,458.0	6,436.1	6,289.1	6,069.5	6,224.5	6,441.2	6,448.1
5	Variance / Change		48	224	(65)	(148)	251	275	(22)	(147)	(220)	155	15	7
6	Variance / Growth Rate		0.8%	3.8%	(1.1%)	(2.4%)	4.2%	4.4%	(0.3%)	(2.3%)	(3.5%)	2.6%	0.2%	0.1%
7	Industrial	1,143.5	1,125.4	1,153.7	1,150.9	1,117.2	1,141.3	1,164.5	1,135.1	1,028.1	990.9	945.9	1,084.5	1,060.9
8	Variance / Change		(18)	28	(3)	(34)	24	23	(29)	(107)	(37)	(45)	(6)	(24)
9	Variance / Growth Rate		(1.6%)	2.5%	(0.2%)	(2.9%)	2.1%	2.0%	(2.5%)	(9.4%)	(3.6%)	(4.5%)	(0.6%)	(2.2%)
10	Non-Residential	7,016.4	7,046.5	7,298.7	7,231.1	7,049.2	7,324.4	7,622.5	7,571.1	7,317.2	7,060.5	7,170.4	7,525.7	7,508.9
11	Variance / Change		30	252	(68)	(182)	275	298	(51)	(254)	(257)	110	9	(17)
12	Variance / Growth Rate		0.4%	3.6%	(0.9%)	(2.5%)	3.9%	4.1%	(0.7%)	(3.4%)	(3.5%)	1.6%	0.1%	(0.2%)
13	Total General Service Volumes	14,492.8	14,590.9	14,956.3	14,811.2	14,652.4	15,194.4	15,553.4	15,605.3	15,484.1	15,104.8	15,211.2	15,675.0	15,688.2

Note:

(1) Volumes normalized to 2024 Test Year Forecast heating degree days.

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 2, Sch. 8

Question(s):

- a) How has EGI ensured that there is no double counting of DSM reductions in volumes between the adjustment for DSM noted in paragraph 17 and the customer specific forecasts that may already reflect DSM related reductions in use?
- b) Please update the tables in Attachment 1 to reflect actual 2022 data.

Response:

- a) As part of the forecast process account managers are instructed to only consider DSM reductions in volumes related to the current year when developing customer specific forecasts and are made aware that a DSM adjustment will be applied to align future years with the DSM plan assumption. The forecast for 2023 Bridge Year and 2024 Test Year was prepared in 2022, therefore account managers only considered 2022 DSM projects in their customer-specific forecasts.
- b) Exhibit 3, Tab 2, Schedule 8, Attachment 1, pages 3-4 have been updated for 2022 actual and is provided at Attachment 1.

Throughput Volumes - Distribution Contract Market Sales & T-Service

Line No.	Particulars (10 ³ m ³)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	Rate 100	EGI	15,377	20,111	33,994	36,815	28,090	27,429
2	Rate 110	EGI	875,396	981,141	1,101,890	1,197,877	1,074,372	1,068,281
3	Rate 115	EGI	441,616	378,039	387,697	400,995	386,039	381,873
4	Rate 125	EGI	591,623	523,436	707,660	977,270	824,971	824,971
5	Rate 135	EGI	63,020	65,287	63,112	59,020	55,486	52,646
6	Rate 145	EGI	30,440	23,396	24,785	18,909	15,331	15,714
7	Rate 170	EGI	286,358	247,430	255,701	291,964	322,426	323,254
8	Rate 200	EGI	196,879	189,473	192,010	187,361	186,602	188,852
9	Rate 300	EGI	349	262	269	211	-	-
10	Rate 315	EGI	-	-	-	-	-	-
11	Total - EGD Rate Zone		<u>2,501,058</u>	<u>2,428,575</u>	<u>2,767,118</u>	<u>3,170,422</u>	<u>2,893,316</u>	<u>2,883,020</u>
12	Rate M4	EGI	674,011	621,380	610,808	601,877	598,163	593,900
13	Rate M7	EGI	541,343	618,372	686,353	750,067	749,542	789,737
14	Rate M9	EGI	103,989	88,765	90,096	96,890	90,073	90,073
15	Rate M10	EGI	391	360	320	331	329	-
16	Rate 20	EGI	522,900	778,476	637,600	879,345	839,751	929,101
17	Rate 100	EGI	1,020,510	996,605	958,587	943,946	1,036,696	1,076,378
18	Rate T1	EGI	437,372	430,312	453,007	440,944	434,564	431,289
19	Rate T2	EGI	4,136,389	4,017,975	4,700,474	4,850,508	4,962,964	5,005,643
20	Rate T3	EGI	283,374	264,209	241,187	278,032	249,200	249,200
21	Rate M5	EGI	73,965	61,817	63,511	60,809	60,802	59,493
22	Rate 25	EGI	119,200	92,838	143,898	151,281	111,374	126,831
23	Rate 30	EGI	-	-	-	-	-	-
24	Total - Union Rate Zone		<u>7,913,444</u>	<u>7,971,109</u>	<u>8,585,841</u>	<u>9,054,029</u>	<u>9,133,458</u>	<u>9,351,645</u>
25	Total Contract Volume		<u>10,414,502</u>	<u>10,399,684</u>	<u>11,352,959</u>	<u>12,224,451</u>	<u>12,026,774</u>	<u>12,234,665</u>

Throughput Volumes - Distribution Contract Market Sales & T-Service

Line No.	Particulars (10 ³ m ³)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>Contract - Sector</u>								
26	Automotive	EGI	186,181	186,802	179,967	211,920	200,474	214,930
27	Buildings	EGI	526,141	542,150	591,355	624,092	643,146	642,128
28	Chemical	EGI	1,644,708	1,608,227	1,689,380	1,476,057	2,015,061	2,013,902
29	Food & Beverage	EGI	751,934	762,623	779,697	806,207	776,224	774,166
30	Greenhouse - Agricultural	EGI	586,862	632,603	689,721	735,420	756,500	816,729
31	Manufacturing	EGI	733,716	706,036	758,462	751,848	752,042	749,817
32	Mining	EGI	347,841	334,362	313,157	331,535	343,877	406,498
33	Other	EGI	649,352	628,324	624,800	678,549	470,953	421,610
34	Power	EGI	1,552,060	1,564,142	1,975,099	2,837,828	2,298,498	2,427,690
35	Pulp & Paper	EGI	526,282	552,620	560,152	605,507	623,810	623,250
36	Refining	EGI	1,383,051	1,467,050	1,457,273	1,485,023	1,450,521	1,454,573
37	Steel	EGI	1,526,373	1,414,744	1,733,896	1,680,466	1,695,668	1,689,373
38	Total Volume		<u>10,414,502</u>	<u>10,399,684</u>	<u>11,352,959</u>	<u>12,224,451</u>	<u>12,026,774</u>	<u>12,234,665</u>

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Greenhouse Vegetable Growers (OGVG)

Interrogatory

Reference:

Exhibit 3 Tab 2 Schedule 6 Attachment 2
Exhibit 3 Tab 2 Schedule 7 Attachment 1 Page 1
Exhibit 3 Tab 2 Schedule 8 Attachment 1 Page 2
Exhibit 3 Tab 2 Schedule 8 Attachment 2 Page 2

Question(s):

EGI has provided forecast average number of customers and annual throughput for the 2024 test year for each of the existing rate classes.

- a) Please break out the forecast number of Greenhouse-Agricultural customers in each rate class and the forecast 2024 throughput for those Greenhouse-Agricultural customers within each rate class; OGVG has provided the preferred format of the answer below. When completing the answer, please use updated forecast customer numbers and throughput for 2024 as necessary. Please provide the answer in excel format.

Rate Class	2024 (Test Year Forecast)			
	Total (average) Customers	Annual Throughput-Total (average) Customers (10 ³ m ³)	Greenhouse-Agricultural Customers	Annual Throughput-Greenhouse Agricultural (10 ³ m ³)
General Service (EGD)				
Rate 1	2,158,512	5,001,000		
Rate 6 (including Rate 9)	172,843	4,795,700		
Contract (EGD)				
Rate 100	14	27,429		
Rate 110	416	1,068,281		
Rate 2115	22	381,873		
Rate 125	4	824,971		
Rate 135	41	52,646		
Rate 145	16	15,714		
Rate 170	22	323,254		
Rate 200	1	188,852		
Rate 300	0	0		
Rate 315	0	0		
General Service (Union)				
Rate M1	1,202,887	3,255,100		
Rate M2	8,069	1,319,400		
Rate 01	369,169	989,000		
Rate 10	2,204	328,000		
Contract (Union)				
Rate M4	225	593,900		
Rate M7	61	789,737		
Rate M9	4	90,073		
Rate M10	0	0		
Rate 20	62	929,101		
Rate 100	12	1,076,378		
Rate T1	39	431,289		
Rate T2	28	5,005,643		
Rate T3	1	249,200		
Rate M5	38	59,493		
Rate 25	25	126,831		
Rate 30	0	0		

Response:

- a) Please see Attachment 1 for the Excel, for the requested breakdown of Greenhouse –Agricultural customers and annual volumes for 2024 Test Year. Enbridge Gas’s general service market does not track the number of customers and associated volumes for greenhouse – agricultural sector, therefore the split for that market is not available and data has been provided for the distribution contract market only.

Greenhouse - Agricultural Customers & Volumes

Line No.	Particulars	2024 Test Year Forecast			
		Total (average) Customers	Annual Throughput (10 ³ m ³)	Greenhouse - Agricultural Customers	Annual Throughput Greenhouse - Agricultural (10 ³ m ³)
		(a)	(b)	(c)	(d)
	General Service (EGD)				
1	Rate 1	2,158,512	5,001,027	N/A	N/A
2	Rate 6 (including Rate 9)	172,843	4,795,694	N/A	N/A
	Contract (EGD)				
3	Rate 100	14	27,429	1	1,369
4	Rate 110	416	1,068,281	11	35,436
5	Rate 115	22	381,873	1	4,807
6	Rate 125	4	824,971	0	0
7	Rate 135	41	52,646	0	0
8	Rate 145	16	15,714	4	4,323
9	Rate 170	22	323,254	0	0
10	Rate 200	1	188,852	0	0
11	Rate 300	0	0	0	0
12	Rate 315	0	0	0	0
	General Service (LUG)				
13	Rate M1	1,202,887	3,255,132	N/A	N/A
14	Rate M2	8,069	1,319,376	N/A	N/A
15	Rate 01	369,169	989,005	N/A	N/A
16	Rate 10	2,204	327,974	N/A	N/A
	Contract (Union)				
17	Rate M4	225	593,900	74	249,226
18	Rate M7	61	789,737	37	435,274
19	Rate M9	4	90,073	0	0
20	Rate M10	0	0	0	0
21	Rate 20	62	929,101	0	0
22	Rate 100	12	1,076,378	0	0
23	Rate T1	39	431,289	7	66,399
24	Rate T2	26	5,005,643	0	0
25	Rate T3	1	249,200	0	0
26	Rate M5	38	59,493	10	19,895
27	Rate 25	25	126,831	0	0
28	Rate 30	0	0	0	0
29	Grand Total	3,914,712	27,922,873	145	816,729

ENBRIDGE GAS INC.

Answer to Interrogatory from
School Energy Coalition (SEC)

Interrogatory

Reference:

3-2-2

Question(s):

With respect to the Guidehouse, Natural Gas Volume Forecast Benchmarking Study:

- a) [p.5,7] For each of the comparator utilities, please provide the individual score based on each tier/criterion included in Table 2-1.
- b) Did Guidehouse look at the accuracy of the comparator utilities forecasts? If so, please provide details. If not, please explain why not.
- c) [p.14-33] Please explain how each comparator utility has included, if at all, in their customer and volume forecast methodologies, as a result of decarbonization and electrification policies and expectations.
- d) Notwithstanding your answer to part (c) regarding what other utilities may or may not be doing, please provide Guidehouse's views on the appropriateness of using historic information as the basis for volume forecasts, when the future may look different than the past.
- e) [p.25-27] Using the same format as Table 3-14, how would Guidehouse classify Enbridge, both as it relates to its 2024 and post-2024 approvals.
- f) [p.25-27] For each mechanism discussed in Table 3-14, please provide a reference, and a web-link to a copy of the specific rate filing/order, that provides the exact details of how each mechanism works.
- g) [p.25-27] For each utility where an under-recovery variance is capped, please provide details on how the cap works.

Response:

The following response was provided by Guidehouse Canada Ltd.:

- a) Please see Table 1. Wisconsin Power and Light did not formally pass through the Tier 2 and 3 scoring. Documentation for this utility's forecast was uncovered after that scoring had been completed, when the Tier 4 filtering process was under way, with the quality and relevance of the documentation leading to its inclusion as a comparator.

Table 1

#	Utility	Tier 1	Tier 2 & 3	Tier 4
1	Public Service Electric & Gas Co	Pass	9	Comparator
2	DTE Gas Company	Pass	8	Comparator
3	Consolidated Edison New York Inc	Pass	8	Comparator
4	Ameren Illinois	Pass	8	Comparator
5	Boston Gas Co DbA National Grid	Pass	8	Comparator
6	Niagara Mohawk DbA National Grid	Pass	8	Comparator
7	National Fuel Gas Dist Ny	Pass	8	Comparator
8	Fortis BC Energy Inc.	Pass	8	Comparator
9	Centerpoint Energy Entex	Pass	7	Comparator
10	Wisconsin Power and Light	Pass	N/A	Comparator
11	EPCOR	Pass	9	Potential Replacement
12	The Brooklyn Union Gas Co	Pass	8	Potential Replacement
13	Questar Gas Company	Pass	8	Potential Replacement
14	Northern States Pwr Co	Pass	8	Potential Replacement
15	Manitoba Hydro	Pass	8	Potential Replacement
16	Consumers Energy Company	Pass	9	N/A
17	ATCO	Pass	9	N/A
18	Pub Service Co Of Colorado	Pass	8	N/A
19	Peoples Gas Light And Coke Company	Pass	8	N/A
20	Midamerican Energy Company	Pass	8	N/A
21	Black Hills Energy	Pass	8	N/A
22	Wisconsin Gas Company	Pass	8	N/A
23	UGI Utilities	Pass	8	N/A
24	Wisconsin Elec Pwr Co	Pass	8	N/A
25	Atmos Energy Corporation	Pass	7	N/A
26	Altagas	Pass	7	N/A
27	Centerpoint Energy	Pass	7	N/A
28	Puget Sound Energy	Pass	7	N/A
29	Northwest Natural Gas Co	Pass	7	N/A

Table 1 (Continued)*

#	Utility	Tier 1	Tier 2 & 3	Tier 4
30	Intermountain Gas Company	Pass	7	N/A
31	SaskEnergy	Pass	6	N/A
32	Keyspan Energy Dba Natioal Grid Ny	Pass	6	N/A
33	Heritage Gas	Pass	6	N/A
34	Emera Energy	Pass	5	N/A
35	Energir	Pass	4	N/A
36	Southern California Gas Company	Fail	8	N/A
37	Pacific Gas	Fail	8	N/A
38	NICOR Gas	Fail	7	N/A
39	Southwest Gas Corporation	Fail	6	N/A
40	Spire Missouri Inc	Fail	6	N/A
41	Piedmont Natural Gas	Fail	6	N/A
42	Washington Gas Light Company	Fail	6	N/A
43	San Diego Gas And Electric Company	Fail	6	N/A
44	Oklahoma Natural Gas Co	Fail	6	N/A
45	Northern Indiana Public Service Co	Fail	6	N/A
46	Texas Gas Service	Fail	6	N/A
47	Centerpoint Energy Arkla	Fail	6	N/A
48	Kansas Gas Service Company	Fail	6	N/A
49	Indiana Gas Company Inc	Fail	6	N/A
50	Public Svc Co Of North Carolina	Fail	6	N/A
51	BGE	Fail	6	N/A
52	New Mexico Gas Company	Fail	6	N/A
53	New Jersey Natural Gas	Fail	6	N/A
54	Peoples Natural Gas Company	Fail	6	N/A
55	Philadelphia Gas Works	Fail	6	N/A
56	PECO Energy Company	Fail	6	N/A
57	Alabama Gas Corp	Fail	6	N/A
58	Dominion Energy South Carolina Inc	Fail	6	N/A
59	Peoples Gas Sys	Fail	6	N/A
60	South Jersey Gas Company	Fail	6	N/A

b) Guidehouse did not perform a quantitative comparison of comparator utilities' historical forecasts and observed volumes. Guidehouse's scope for this study was to conduct a literature review of the methods used by comparator utilities, supplemented by anonymized interviews with comparator utility staff.

- c) None of the utility forecast documentation reviewed appears to consider any radical changes to the underlying relationships driving volumes (e.g., electrification, adoption of renewable natural gas, etc.) as part of their core forecasts.
- d) It is the view of the Guidehouse team members engaged on this project that a reference forecast based on the application of historically estimated relationships (between consumption and its drivers) to the forecast values of those drivers is an essential component of energy consumption forecasting.
- e) Table 3-13 in the report classifies Enbridge Gas's revenue stability mechanisms in place at the time of writing. The stability mechanisms described in this table do not address weather-based revenue volatility. If an additional row were to be added to Table 3-13, analogous to the "Mechanism Addresses Weather-Based Revenue Volatility" column in Table 3-14, the value included would be "No", for both EGD and UG.
- f) Guidehouse consulted the documents below for completing Table 3-14. In alphabetical order (to preserve anonymity) these are:
- i. Ameren Illinois Company, Rider VBA, Gas Service Schedule III. C. C. No.2, 1st Revised Sheet No. 46, <https://www.ameren.com/-/media/rates/files/illinois/aigs46rdvba.ashx>
 - ii. Boston Gas Company (National Grid), Tariff and Rate Schedules, M.D.P.U. No.1.16, http://www2.nationalgridus.com/docs/partners/marketers/Boston_Tariffs.pdf
 - iii. Order of the Minnesota Public Utilities Commission, CenterPoint Energy, Docket No. G-008/M-19-558, Issue Date: January 30, 2020, <https://efiling.web.commerce.state.mn.us/edockets/searchDocuments.do?method=showPoup&documentId=%7B300EF86F-0000-CA1D-ABAA-24EE772F589B%7D&documentTitle=20201-159859-01>
 - iv. British Columbia Utilities Commission, FortisBC Energy Inc., Application for Approval of Deferral Account Treatment for 2021 and Changes to the Revenue Stabilization Adjustment Mechanism Rider for the Fort Nelson Service Area, Decision and Order G-78-21, March 16, 2021, <https://www.ordersdecisions.bcuc.com/bcuc/decisions/en/item/494375/index.do>
 - v. Consolidated Edison Company of New York, Inc., Schedule for Gas Service, PSC No: 9 Gas, July 25, 2022, Issued in Compliance with Order in Case 22-M-0159 dated July 14, 2022, https://lite.coned.com/external/cerates/documents/gas_tariff/pdf/schedule-for-gas-service.pdf
 - vi. DTE, Case No. U-206642, Application, November 25, 2019, <https://mi-psc.force.com/sfc/servlet.shepherd/version/download/068t00000086HOyAAM>
 - vii. National Fuel Gas Distribution, Schedule for Gas Service, PSC No: 9 Gas, Issued in Compliance with Order in Case No. 16-G-0257,

<https://www.nationalfuel.com/wp-content/uploads/documents/NYEffective2023-01-01.pdf>

- viii. Niagara Mohawk Power Corporation, PSC No. 219 Schedule for Gas Service, PSC No. 219 Superseding PSC N. 218, Effective Date: April 1, 2018. No direct link available. Please see Attachment 1.
- ix. Public Service Electric and Gas Company, Tariff for Gas Service, filed dated October 29, 2018 in Docket Nos. ER18010029, GR18010030, AX18010001 and ER18030231, https://nj.pseg.com/-/media/pseg/public-site/documents/gas-prior-tariffs/gas-tariff-16_nov1.ashx
- x. Wisconsin Power and Light (Alliant Energy), Scheduled Gas Rates, Volume III, 6th Revision, Sheet No.20.00, Amendment 955. Please see Attachment 2.
- xi. Please see response at Exhibit I.3.2-FRPO-69 part a).

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 1
REVISION: 0
SUPERSEDING REVISION:

COVER SHEET

PSC No. 219 Superseding PSC No. 218

NIAGARA MOHAWK POWER CORPORATION

SCHEDULE

FOR

GAS SERVICE
(GAS OR ELECTRIC)

Applicable
in

All Territory Served By This Corporation

For Detail Description of Territory, See GENERAL INFORMATION Leaf, Paragraph I.

(Note: It will not be necessary to replace this title page in case at a later date the schedule is made to apply to additional territory or area.)

Issued June 30, 2003 Effective August 1, 2003
(Month Day Year) (Month Day Year)

Subsequent changes will be effective as shown on individual leaves.

By William F. Edwards President
(Name of Officer) (Title)

Syracuse, New York
(Address of Officer)

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/18

LEAF: 2
REVISION: 12
SUPERSEDING REVISION: 11

STAMPS: Issued in compliance with order in Case 17-G-0239 dated March 15, 2018.

TABLE OF CONTENTS

Leaf No.

GENERAL INFORMATION

I. TERRITORY TO WHICH SCHEDULE APPLIES

II. RULES AND REGULATIONS

1. Definitions and Abbreviations.....	11
2. How Service May be Obtained.....	14
3. Priority of Service.....	28
4. Limitation of the Service Offer.....	38
5. Customer Use of Service.....	48
6. Temporary Service.....	49
7. Resale, Remetering or Submetering.....	49
8. Access to Premises.....	50
9. Discontinuance & Complaint Procedures and the Withholding of Service.....	50
10. Extension of Mains.....	53
11. Service Lines.....	59
12. Service Equipment.....	61
13. Meter Reading.....	61
14. Meter Adjustments.....	69
15. Billing & Collection.....	71
16. Special Services Performed by Company for Customer at a Charge.....	88
17. Adjustment of Rates in Accordance with Changes in the Cost of Purchased Gas.....	90
18. Gas Fired Emergency Electric Generation.....	98
19. Tax Factors Applicable in Municipalities Where Service is Supplied.....	99
20. Service Re-establishment Charge.....	100
21. Payment of Interest on Customer Overcharges.....	100
22. Reserved for future use.....	102
23. Empire Zone Rider.....	104
24. Reserved for future use.....	107
25. Excelsior Jobs Program.....	111
26. Gas Net Revenue Sharing Mechanism.....	111.2
27. Weather Normalization Adjustment.....	113
28. Transportation and Aggregation Options.....	115
29. Cashout of Imbalances.....	117
30. Research and Development Surcharge.....	122
31. Energy Efficiency Program Charges.....	122.1
32. Revenue Decoupling Mechanism.....	122.2
33. Merchant Function Charge.....	122.4
34. Reserved for future use.....	122.7
35. Cancelled.....	122.7
36. NYSERDA Loan Installment Program.....	122.8
37. Service Guarantee.....	122.11
38. Community Choice Aggregation Program.....	122.13
39. Gas Safety and Reliability Surcharge.....	122.14
40. Earnings Adjustment Mechanism.....	122.14
41. Deferral Surcredit.....	122.15

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 3 of 328

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22

LEAF: 2.1
REVISION: 0
SUPERSEDING REVISION:

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

TABLE OF CONTENTS

Leaf No.

GENERAL INFORMATION

I. TERRITORY TO WHICH SCHEDULE APPLIES

II. RULES AND REGULATIONS

42. Non-Pipe Alternatives Cost Recovery Mechanism.....	122.16
43. Net Utility Plant and Depreciation Expense Reconciliation Mechanism Surcharge	122.17
44. Incremental Energy Efficiency Surcharge.....	122.18
45. Delivery Service Adjustments.....	122.19

PSC NO: 219 GAS

LEAF: 3

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 5

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

TABLE OF CONTENTS (continued)

Leaf No.

II. RULES AND REGULATIONS (continued)

SERVICE CLASSIFICATIONS

Residential Service, All Territory, S.C. No. 1..... 123
 Small General Service, All Territory, S.C. No. 2..... 129
 Large General Service, All Territory, S.C. No. 3 (eliminated)..... 133
 Interruptible - Large Volume, All Territory, S.C. No. 4 (eliminated).....136
 Firm Gas Sales and Transportation Service, All Territory, S.C. No. 5..... 140
 Large Volume Interruptible Transportation Service,
 All Territory, S.C. No. 6..... 144
 Small Volume Firm Gas Sales and Transportation Service,
 All Territory, S.C. No. 7..... 149
 Gas Sales and Transportation Service with Standby Sales Service,
 All Territory, S.C. No. 8..... 153
 Negotiated Transportation Service,
 All Territory, S.C. No. 9..... 158
 Natural Gas Vehicle Service, All Territory, S.C. No. 10.....166
 Load Aggregation Service, All Territory, S.C. No. 11..... 170
 Distributed Generation Service – Non-Residential, All Territory, S.C. No. 12.....215
 Distributed Generation Service – Residential, All Territory, S.C. No. 13.....216
 Gas Transportation Service for Dual Fuel Electric Generators,
 All Territory, S.C. No. 14..... 217

SERVICE FORMS

Application for Gas Service - Form "A".....230
 Non-Residential Service Application Form.....231
 Request for Gas Service Proposal - Form "T9", For S.C. No. 9..... 241
 Natural Gas Vehicle Service Application - Form "NGV"..... 243
 Gas Main Extension Application - Form "B"..... 245
 Gas Main Extension - Form "C"..... 246
 Deferred Payment Agreement.....247
 Irrevocable Letter of Credit Form.....249
 Letter of Credit Form..... 250
 Surety Bond Form.....251
 Non-Residential Customer Promise to Pay Bills Upon Receipt..... 253
 Residential Deferred Payment Agreement.....254
 Certificate of Compliance - Dwelling Converting to Gas Space Heat..... 258

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 4
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

I TERRITORY TO WHICH SCHEDULE APPLIES:

1. CITIES	COUNTY
Albany	Albany
Amsterdam	Montgomery
Cohoes	Albany
Fulton	Oswego
Glens Falls	Warren
Gloversville	Fulton
Hudson	Columbia
Johnstown	Fulton
Little Falls	Herkimer
Oneida	Madison
Oswego	Oswego
Rensselaer	Rensselaer
Rome	Oneida
Saratoga Springs	Saratoga
Schenectady	Schenectady
Sherrill	Oneida
Syracuse	Onondaga
Troy	Rensselaer
Utica	Oneida
Watertown	Jefferson
Watervliet	Albany

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 5
 REVISION: 0
 SUPERSEDING REVISION:

GENERAL INFORMATION

I. TERRITORY TO WHICH SCHEDULE APPLIES: (continued)

2. VILLAGES	COUNTY
Adams	Jefferson
Altamont	Albany
Baldwinsville	Onondaga
Ballston Spa	Saratoga
Black River	Jefferson
Boonville (Generally All)	Oneida
Brownville	Jefferson
Camillus	Onondaga
Canajoharie	Montgomery
Canastota	Madison
Carthage	Jefferson
Castleton-on-Hudson	Rensselaer
Cazenovia	Madison
Central Square	Oswego
Chittenango	Madison
Clayville	Oneida
Clinton	Oneida
Colonie	Albany
Corinth (Part)	Saratoga
Deferiet	Jefferson
Dexter	Jefferson
Dolgeville (Part)	Fulton and Herkimer
Ellisburg	Jefferson
Evans Mills	Jefferson
Fayetteville	Onondaga
Fonda	Montgomery
Fort Edward	Washington
Fort Johnson	Montgomery
Fort Plain	Montgomery
Frankfort	Herkimer
Fultonville	Montgomery
Glen Park	Jefferson
Green Island	Albany
Hagaman	Montgomery
Hannibal	Oswego
Herkimer	Herkimer
Herrings	Jefferson
Holland Patent (Generally All)	Oneida

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 6
 REVISION: 0
 SUPERSEDING REVISION:

GENERAL INFORMATION

I. TERRITORY TO WHICH SCHEDULE APPLIES: (continued)

2. VILLAGES (continued)	COUNTY
Hudson Falls	Washington
Ilion	Herkimer
Lacona	Oswego
Lake George	Warren
Liverpool	Onondaga
Manlius	Onondaga
Mannsville	Jefferson
Menands	Albany
Mexico	Oswego
Minoa	Onondaga
Mohawk	Herkimer
Munnsville (Northwest Corner Rt.46)	Madison
Nelliston	Montgomery
New Hartford	Oneida
New York Mills	Oneida
North Syracuse	Onondaga
Oneida Castle	Oneida
Oriskany	Oneida
Palatine Bridge	Montgomery
Phoenix	Oswego
Pulaski	Oswego
Ravena	Albany
Round Lake (Generally All)	Saratoga
Sackets Harbor	Jefferson
Sandy Creek	Oswego
Schuylerville	Saratoga
Scotia	Schenectady
Skaneateles	Onondaga
Solvay	Onondaga
South Glens Falls	Saratoga
Tully	Onondaga
Vernon	Oneida
Victory Mills	Saratoga
Voorheesville	Albany
Wampsville	Madison
Waterford	Saratoga
West Carthage	Jefferson
Whitesboro	Oneida
Yorkville	Oneida

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 7
 REVISION: 0
 SUPERSEDING REVISION:

GENERAL INFORMATION

I TERRITORY TO WHICH SCHEDULE APPLIES: (continued)

3. TOWNS AND HAMLETS	COUNTY
Adams	Jefferson
Adams Center	
Amsterdam	Montgomery
Tribes Hill	
Ballston	Saratoga
Bethlehem	Albany
Booneville	Oneida
(Hawkinsville Rd. and side streets to Village line)	
Brownville	Jefferson
Brunswick	Rensselaer
Camillus	Onondaga
Canajoharie	Montgomery
Cazenovia	Madison
Champion	Jefferson
Charlton	Saratoga
Cicero	Onondaga
Claverack	Columbia
Clay	Onondaga
Clifton Park	Saratoga
Coeymans	Albany
Colonie	Albany
Latham	
Loudonville	
Newtonville	
West Albany	
Corinth (Part)	Saratoga
Deerfield	Oneida
Dewitt (That portion bounded on the north by the Syracuse Junction Branch of the New York Central Railroad, on the east by the extension of Leo Avenue, on the south by Tyson Road and on the west by Lamson Street. Also includes that portion south of the old Erie Canal.)	Onondaga
East Greenbush	Rensselaer
Easton	Washington
Elbridge (Part)	Onondaga
Ellisburg	Jefferson
Pierrepont Manor	

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 8
 REVISION: 0
 SUPERSEDING REVISION:

GENERAL INFORMATION

I. TERRITORY TO WHICH SCHEDULE APPLIES: (continued)

3. TOWNS AND HAMLETS (continued)	COUNTY
Florida	Montgomery
Floyd	Oneida
Fort Edward	Washington
Frankfort	Herkimer
Geddes	Onondaga
German Flatts	Herkimer
Ghent	Columbia
Glen	Montgomery
Glenville	Schenectady
Granby	Oswego
Greenfield	Saratoga
Greenwich	Washington
Guilderland	Albany
Half Moon	Saratoga
Hannibal	Oswego
Hastings	Oswego
Herkimer	Herkimer
Hounsfield	Jefferson
Johnstown	Fulton
Kingsbury	Washington
Kirkland	Oneida
Clark Mills	
Lafayette	Onondaga
Lake George	Warren
Lee	Oneida
Lenox	Madison
LeRay	Jefferson
Lincoln	Madison
Little Falls	Herkimer
Lysander	Onondaga
Malta (Outside the Lands of the Round Lake Association)	Saratoga
Manheim	Herkimer
Manlius	Onondaga
Marcy	Oneida
Mexico	Oswego
Milton	Saratoga
Minden	Montgomery
Minetto	Oswego
Mohawk	Montgomery

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE 08/01/03

LEAF: 9
 REVISION: 0
 SUPERSEDING REVISION:

GENERAL INFORMATION

I TERRITORY TO WHICH SCHEDULE APPLIES: (continued)

3. TOWNS AND HAMLETS (continued)	COUNTY
Moreau	Saratoga
Nelson	Madison
New Hartford	Oneida
New Haven	Oswego
New Scotland	Albany
Niskayuna	Schenectady
North Greenbush	Rensselaer
Northumberland	Saratoga
Onondaga	Onondaga
Oswego	Oswego
Otisco	Onondaga
Palatine	Montgomery
Palermo	Oswego
Pamelia	Jefferson
Paris	Oneida
Perth	Fulton
Poestenkill (Rt. 150)	Rensselaer
Pompey	Onondaga
Princetown	Schenectady
Queensbury	Warren
Richland	Oswego
Rotterdam	Schenectady
Carman	
Rotterdam Junction	
South Schenectady	
Rutland	Jefferson
Salina	Onondaga
Salisbury	Herkimer
Sand Lake	Rensselaer
(Rt. 150 through West Sand Lake Hamlet to Rt. 43 Crossroad)	
Sandy Creek	Oswego
Saratoga	Saratoga
Schaghticoke	Rensselaer
Schodack	Rensselaer
Schroepfel	Oswego
Schuyler	Herkimer
Scriba	Oswego
Sennett (1,230 Ft. west along Rt. 20 from Skaneateles town line)	Cayuga

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 10
 REVISION: 0
 SUPERSEDING REVISION:

GENERAL INFORMATION

I TERRITORY TO WHICH SCHEDULE APPLIES: (continued)

3.	TOWNS AND HAMLETS (continued)	COUNTY
	Skaneateles	Onondaga
	Skaneateles Falls	
	Spafford	Onondaga
	(Rt. 41 south, Shady Lane, Locust Lane)	
	Stockport	Columbia
	Stillwater (East of the	Saratoga
	Town of Malta at the southern	
	end of Saratoga Lake)	
	Stockbridge	Madison
	(County Rt. 33 - Middle Rd.)	
	Stuyvesant	Columbia
	Sullivan	Madison
	Trenton	Oneida
	(East along Rt.365 into Village	
	of Holland Patent)	
	Tully	Onondaga
	Van Buren	Onondaga
	Vernon	Oneida
	Verona	Oneida
	Durhamville	
	Verona	
	Volney	Oswego
	Waterford	Saratoga
	Watertown	Jefferson
	Western	Oneida
	West Monroe	Oswego
	Westmoreland	Oneida
	Westmoreland	
	Whitestown	Oneida
	Wilna	Jefferson
	Wilton	Saratoga

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 12 of 328

PSC NO: 219 GAS

LEAF: 11

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION

II. RULES AND REGULATIONS:

1. DEFINITIONS AND ABBREVIATIONS:

1.1 Definitions:

Access Controller: A party known to the Company to be in control of access to the metering equipment and who has an active account with the Company, or a customer who controls access to the metering equipment.

Adjusted Gas Revenue: Revenue realized from the applicable service classification rates and charges less revenue taxes, the cost of gas, and the minimum charge. The cost of gas shall be computed by multiplying the average cost of gas per unit as used in the Monthly Cost of Gas (MCG) calculation by the units of gas used.

Asset Management Agreement: A transaction where the Company releases a portion of its upstream capacity rights to a third party subject to satisfaction by that third party of certain specified gas supply requirements of the Company. All such agreements must be structured in accordance with the regulations of the Federal Energy Regulatory Commission.

Company or Utility: Niagara Mohawk Power Corporation.

Cost or Expense: Include all labor, material and other charges applicable thereto including cost of removing and replacing pavement and sidewalks, plus a reasonable allowance for engineering, superintendence, purchasing and use of construction equipment.

Customer: An individual, firm, partnership, corporation, association, municipality, or governmental body lawfully receiving service from the Company.

1. **Non-Residential Applicant:** A person, corporation or other entity, receiving service from the Company, who is not a residential customer as defined in 16 NYCRR, Part II.

Incremental Cost of Gas (ICOG): Commodity cost (excluding demand charges) of the most expensive gas supply source projected to be dispatched during the upcoming month, as set forth in the Gas Transportation Rate Statement.

Lead-Lag Rate: Set equal to 13.68%.

Main: A pipeline owned by the Company located on a public or private right-of-way which is available or used to transport gas to more than one service line.

Net Revenue: Revenue realized from the applicable service classification rates and charges less revenue taxes and the cost of gas.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/14

LEAF: 12
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

1. DEFINITIONS AND ABBREVIATIONS: (continued)

Non-Residential Applicant: A person, corporation or other entity who has requested service as a non-residential customer.

Non-Residential Customer: Any person, corporation or other entity receiving service from the Company who is not a residential customer as defined in 16 NYCRR, Part II. The following terms pertain to only non-residential customers:

1. **New Customer:** A customer who was not the last previous customer at the premises to be served, regardless of whether such customer was or is still a customer of the utility at a different location.
2. **Seasonal Customer:** A customer who applies for and received utility service periodically each year, intermittently during the year, or at other irregular intervals.
3. **Short Term or Temporary Customer:** A customer who requested service for a period of time up to two years.
4. **Actual Reading:** Obtained by a utility employee from either the meter or a remote registration device attached thereto.
5. **Access Controller:** A party known to a utility to be in control of access to the metering equipment of a customer, and to have an active account of its own with the utility.
6. **Payment:** Considered to be made on the date it is received by the utility or one of its authorized agents.
7. **Late Payment:** Any payment made more than 20 calendar days after the date payment was due. Payment is due whenever specified by the Company on its bill, provided such date does not occur before personal service of the bill or three calendar days after the mailing of the bill.
8. **Arrears:** Charges for which payment has not been made more than 20 calendar days after payment was due.
9. **Delinquent Customer:** A customer who has made a late payment on two or more occasions within the previous 12-month period.
10. **Business Day:** Any Monday through Friday when a utility's business offices are open.
11. **Deferred Payment Agreement:** A written agreement for the payment of outstanding charges over a specified period of time. It must be signed in duplicate by a utility representative and the customer, and each must receive a copy, before it becomes enforceable by either party.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22

LEAF: 13
REVISION: 9
SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION

1. DEFINITIONS AND ABBREVIATIONS: (continued)

Non-Residential Customer (continued)

12. **Levelized Payment Plan:** A billing plan designed to reduce fluctuations in a customer's bill payments due to varying, but predictable, patterns of consumption.
13. **Backbill:** Portion of any bill, other than a levelized bill, which represents charges not previously billed for service that was actually delivered to the customer during a period before the current billing cycle. A bill based on an actual reading rendered after one or more bills based on estimated or customer readings (commonly called a catch-up bill) which exceeds by 50 percent or more the bill that would have been rendered under a utility's standard estimation program is presumed to be a backbill.
14. **Tampered Equipment:** Any service related equipment that has been subjected to either unauthorized interference so as to reduce the accuracy or eliminate the measurement of the utility's service, or to unauthorized connection occurring after a utility has physically disconnected service.
15. **Utility Deficiency:** Any action or inaction by a utility or one of its authorized agents that does not substantially conform to 16 NYCRR, Part 13, the utility's tariff, or the utility's written business procedures.

Off-System Transactions: May include gas sales, gas transportation and other gas transactions performed with customers located outside of the Company's service territory; capacity release transactions other than those performed pursuant to Service Classification No. 11; and Asset Management Arrangements.

Pre-tax Weighted Average Cost of Capital ("pre-tax WACC"): Set forth as follows:

February 1, 2022 – June 30, 2022:	7.66%
July 1, 2022 – June 30, 2023:	7.65%
July 1, 2023 – June 30, 2024:	7.66%

Public Right-of-Way: Territorial limits of any street, avenue, road or way (other than a limited access thoroughfare) that is for any highway purpose under the jurisdiction of the State of New York or the legislative body of any county, city, town or village and is open to public use.

Residential Applicant: An individual, firm, partnership, corporation, association, municipality, or governmental body requesting service from the Company for his/her or its own use and not for resale or delivery to others.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with Order in Case 20-G-0381 dated January 20, 2022

LEAF: 14
REVISION: 6
SUPERSEDING REVISION: 4

GENERAL INFORMATION

1. DEFINITIONS AND ABBREVIATIONS: (continued)

Residential Customers: Any person who, pursuant to an application for service made by such person or a third party on his/her behalf, is supplied directly by the Company with gas service at a premise used in whole in part as his/her residence where:

1. The Company's effective tariff specifies a residential rate for such service, provided however that no person who requests or is supplied service to an entire multiple dwelling or for the common areas of a multiple dwelling, as defined in the Multiple Dwelling Law or the Multiple Residence Law, shall be considered a residential applicant or customer;
2. Such service will be or is primarily used for his/her residential purposes, and the applicant or customer has so notified the Company; or
3. The Company knows that any of such service will be provided through a single meter to both units of a two-family dwelling; or
4. Such person was a residential customer of the Company within 60 days of making the request, was not terminated for nonpayment, meter tampering or theft of services and has moved to a different dwelling within the Company's service territory, so long as such person remains a residential customer as defined in the preceding subparagraphs.
5. A Residential Applicant is any person who requests gas service to a premise to be used at his/her residence or the residence of a third party.
6. Residential Heating Customer means a residential customer that uses natural gas for space heating.
7. Residential Non-Heating Customer means a residential customer that does not use natural gas for space heating.

SC Nos. 1, 2, 5, 7, 8, 12 and 13: Unless otherwise specified in this tariff, references to these service classes are applicable to both sales and transportation (delivery only) customers.

Service Line: Piping, including associated metering and pressure reducing appurtenances, that transports gas below grade from a main or transmission line to the outlet of the customer meter or at the connection to a customer's piping, whichever is further downstream where a meter is located within the building; if a meter is located outside the building, the service line will be deemed to terminate at the outside of the building foundation wall.

Surcharge: A charge payable by customer to Company, in addition to the charge for gas under the applicable service classification, pursuant to the provisions of Rule 10.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/14
STAMPS:

LEAF: 14.1
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

1. DEFINITIONS AND ABBREVIATIONS: (continued)

1.2 Abbreviations:

Cu. ft.	-	Cubic foot or cubic feet
CCF	-	One hundred cubic feet
MCF	-	One thousand cubic feet
Btu	-	British thermal unit
Th	-	Therm (100,000 Btu)
Dt or Dth	-	Dekatherm (10 therms or 1,000,000 Btu)
16 NYCRR	-	Title 16 of the New York Code of Rules and Regulations. Numerical suffix denotes section or part.

2. HOW SERVICE MAY BE OBTAINED:

2.1 Application for Residential Service, as defined in Rule 1.1:

2.1.1 Applications for service may be made by ordinary mail, telephone call or by personal application at the Company's offices.

2.1.1.1 A service application shall be deemed complete when the applicant provides his or her name, proof of identity, address, telephone number (if any), and a prior account number and address (if any).

2.1.1.2 An oral application for gas service shall be deemed completed when the applicant complies with Rule 2.1.1.1.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 15
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

- 2.1.1.3 A written application containing the required information (see Rule 2.1.1.1) shall be deemed completed when received by the Company.
- 2.1.1.4 The Company may require an applicant to complete a written application if: there are arrears at the premises to be served and service was terminated for nonpayment; or is subject to a final disconnect notice of termination; or there is evidence of meter tampering or theft of service; or the meter has advanced and there is not customer of record; or the application is made by a third party on behalf of the person(s) who would receive service. The Company will require a written application when service is taken from an existing or proposed main extension which requires a surcharge or contribution.
- 2.1.1.5 If the application for service is to an address which was recently terminated for nonpayment or where the meter has advanced and there is no customer of record at the address, the applicant must also provide a reasonable proof of responsibility for service for completion of the application. If there are arrears owed on a prior account, the applicant must also meet one of the qualifications of Rule 4.1.1.1 for completion of the application.
- 2.1.1.6 A written application may require the submission of information required in an oral application, and reasonable proof of the applicant's identity and responsibility for service at the premises to be supplied.
- 2.1.1.7 The Company when requiring a written application shall so notify the applicant as soon as practicable after the request for service is made, and in no event more than two (2) business days after such request, and shall state the basis for requiring a written application.
- 2.1.2 The applicant will be required to make separate applications for each point of delivery and metering point, or for each class of service at each separate residence, apartments, business, building or location for which service is desired.
- 2.1.3 The Company shall not be obligated to provide gas service to an applicant, for seasonal or short term service, who fails to post a lawfully required deposit.
- 2.1.4 The Company shall provide service to an applicant within five (5) business days, or a later date as may be specified by the applicant. If the applicant has been previously denied service and now meets one of the qualifications for service in Rule 4.1.1.1, the Company shall provide service within two (2) business days, or a later time specified by the applicant. By direction of the Commission or its authorized designee, service will be provided within 24 hours. The following are exceptions to the time limitations for providing service:

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/23/05

LEAF: 16
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

2.1.4.1 Applicant Related Exceptions:

- 2.1.4.1.1 When the applicant has not paid or agreed in writing to pay the material and installation costs or reasonably assignable costs relating to permanent gas main extensions or a right-of-way or has otherwise failed to comply with any applicable requirements relating to main extensions.
- 2.1.4.1.2 When the applicant elects a surcharge plan for payment of excess reasonable costs for a gas main extension and has not paid an advance payment of the surcharge, when there is reasonable doubt of the applicant's permanency or when the applicant has not paid the material and installation costs for a temporary main extension.
- 2.1.4.1.3 When the applicant has not paid the material and installation costs or reasonably assignable costs for permanent service lines. In hardship cases, the Company shall offer an installment plan agreement, designed for each individual case, subject to interest charges at the rate of interest paid on customer deposits.
- 2.1.4.1.4 When the applicant has not paid the material and installation costs for a temporary service line and main extension as required.
- 2.1.4.1.5 When the applicant has not conformed to the Company's minimum insulation standards pursuant to Rule 4.10.

2.1.4.2 Company Related Exceptions:

- 2.1.4.2.1 When the Company is prevented by labor strikes or precluded by law.
- 2.1.4.2.2 When the Company is precluded by consideration of public safety.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 07/01/20

LEAF: 17
REVISION: 3
SUPERSEDING REVISION: 0

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

- 2.1.4.2.3 When the Company is precluded by physical impediments including but not limited to the Company's inability to gain access to premises in the possession of the applicant or others, adverse weather conditions and incomplete construction of the necessary facilities by the Company. The Company shall make reasonable efforts to eliminate conditions preventing extension of service and shall pursue completion of any facilities it must construct with due diligence.
- 2.1.5 If the Company fails to initiate service within the time required by Rule 2.1.4, the Company shall pay to the applicant the sum of twenty-five dollars (\$25) per day for each day that service is not supplied unless the Commission finds that the Company had good cause for not initiating service in the required time.
- 2.1.6 Upon written request from a prospective tenant or lessee, the Company will provide, at no cost, the total gas charges incurred at the prospective residential rental premises for the life of the premises, or the preceding two-year period, whichever is shorter. Prior to the commencement of the tenancy or execution of a lease, the Company will provide such information to the landlord or lessor and to the prospective tenant, or other authorized person, within ten days of receipt of the written request.
- 2.2 Application for Non-Residential Service:
- 2.2.1 Applications for service may be made by ordinary mail, a telephone call or by personal application at one of the Company's business offices. A service application shall be available in every Company business office and shall be provided to every applicant for service for whom the filing of a written application is a prerequisite for providing service.
- 2.2.2 As a prerequisite to accepting an applicant as a customer, and providing service, the Company may require the applicant to:
- 2.2.2.1 File a written service application containing information sufficient to establish the applicant's identity and responsibility for the premises as either the owner or occupant, the correct service classification, and who controls access to Company owned meters and other equipment.
- 2.2.2.2 Comply with the Company's tariff, or any applicable state, city or local laws or ordinances.
- 2.2.2.3 Fulfill any applicable requirements of Part 230 of 16 NYCRR.
- 2.2.2.4 Make full payment for all amounts due and payable which are not either the subject of a pending billing dispute or an existing deferred payment agreement that is in good standing, including:
- 2.2.2.4.1 Service provided and billed in the applicant's name or for which the applicant is legally responsible.
- 2.2.2.4.2 Other tariff fees, charges or penalties.

Issued By: John Bruckner, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/23/05

LEAF: 18
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

- 2.2.2.4.3 Reasonably chargeable material and installation costs relating to temporary or permanent main extensions or service lines as required by the Company's tariff, provided these costs are itemized and given to the applicant in writing.
- 2.2.2.4.4 Special Services billable under the Company's tariff, provided these costs are itemized and given to the applicant in writing.
- 2.2.2.4.5 A security deposit requested by the Company.
- 2.2.3 As a prerequisite to accepting an applicant as a customer, and providing service, the Company will require a written application when service is taken from an existing or proposed main extension which requires a surcharge or contribution, or when required by the provisions of the applicable service classification.
- 2.2.4 The applicant will be required to make separate applications for each point of delivery and metering point, or for each class of service at each separate residence, apartments, business, building or location for which service is desired.
- 2.2.5 A service application shall contain a section for determining the customer's service classification which shall include the following:
 - 2.2.5.1 A conspicuous notice advising the customer that the questions in this section are designed to assist the Company in placing the customer on the proper and the most beneficial service classification; that the Company may rely on this information in classifying the service; that the cost of service may vary under different service classifications; that a customer may be eligible for service under more than one classification; that one classification may be more beneficial than another; that a description of the common non-residential service classifications accompanies the application; that the Company's tariff, which describes each service classification in detail may be examined in every Company business office during normal working hours; that questions about service classifications may be discussed with Company representatives; that if the customer's use of service or equipment changes in the future, the customer must notify the Company of these changes, in order to assure that the customer is being properly billed; and that if the information provided by the customer relevant to service classification is inaccurate or incomplete, the customer may be subject to backbilling on the correct service classification, or may be precluded from receiving a refund for over charges based on an incorrect service classification, and a comprehensive series of questions relevant to identifying the customer's service classification based on the Company's tariff.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 19
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

- 2.2.6 The Company may require the submission of appropriate types of documents to substantiate the information provided in the service application. Specific documents which the Company may require, however, must be listed on the service application.
- 2.2.7 Any Company report relevant to the establishment of the proper service classification shall be made part of the service application.
- 2.2.8 A service application shall contain, close to the place where the applicant signs, a notice that the applicant has the right to request that the Company inspect the metering device in order to assure its accuracy, along with a place for the applicant to indicate whether such inspection is requested; provided, however, that if the Company has a written policy of not backbilling previously unbilled service when the failure to charge for such service resulted from a malfunctioning of a metering device which was not due to the culpable conduct of the customer or his agent, the above notice is not required.
- 2.2.9 A service application must be signed by the applicant or an authorized agent of the applicant, and a copy must be provided to the applicant or agent. In the case of agents, the Company may require suitable proof of the authorization of the agent.
- 2.2.10 The Company shall either provide or deny service to any applicant as soon as reasonably possible, but no later than 10 calendar days after receipt of a completed application for service or such later time as may be specified by the applicant. Exceptions to this time limitation are as follows:
- 2.2.10.1 Conditions Precluding Company Compliance with the Time Limitation:
- 2.2.10.1.1 Where prevented by labor strikes, or other work stoppages.
 - 2.2.10.1.2 Where precluded by consideration of public safety.
 - 2.2.10.1.3 Where precluded by adverse weather conditions.
 - 2.2.10.1.4 Where precluded by inability to gain access to premises in the possession of the applicant or others.
 - 2.2.10.1.5 Where precluded by incomplete construction of necessary facilities by the applicant or inspection and certification thereof by the appropriate authorities.
 - 2.2.10.1.6 Where precluded by incomplete construction of necessary facilities by the Company.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/23/05

LEAF: 20
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

- 2.2.11 The Company shall make reasonable efforts to eliminate conditions preventing extensions of service and shall pursue completion of any facilities it must construct with due diligence.
- 2.2.12 The Company shall provide service to any accepted applicant whose application for service was previously denied solely for failure to make full payment as provided in Rule 2.2.2.4, as soon as reasonably possible, but no later than 3 business days, or such later time as may be specified by the applicant, after payment is made, or 10 calendar days after receipt of the original application, whichever is later, except as provided in Rule 2.2.10.
- 2.2.13 The Company shall, at the time of application for service, provide applicants for non-residential service with a brochure containing a detailed summary of their rights and obligations, and a notice to include: descriptions of the commonly used non-residential service classifications and their rates, an offer of written guidelines regarding eligibility requirements for the Company's service classifications, notice that the Company's tariff is available for review in every Company business office and notice that some non-residential customers may be eligible for protection under Part 11, 16 NYCRR.
- 2.2.14 The notice required at the time of application for non-residential service shall be provided with the service application to an applicant from whom a written application is required and by mail within 30 calendar days of the request for service to an applicant from whom a written application is not required.
- 2.2.15 The notice provided to non-residential applicants will be provided annually to non-residential customers or at any time upon customer request.
- 2.3 Prior to the attachment of the applicant to the Company facilities, the following will be required:
 - 2.3.1 An application for gas service, Form A, signed by the applicant and the owner of the building to be served, and
 - 2.3.2 For space heating service, applicants shall conform to the minimum insulation standards pursuant to Rule 4.10, and
 - 2.3.3 The prepayment of service line costs as required by Rule 11, and
 - 2.3.4 An application for gas main extension, Form B, signed by the applicant when service is to be taken from a gas main extension requiring a surcharge pursuant to Rule 10.
- 2.4 Security Deposits:
 - 2.4.1 Residential Customers:

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 21
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

2.4.1.1 The Company may require a security deposit from a current residential customer as a condition for receiving service if the customer is delinquent in the payment of bills for gas service. A current residential customer is defined as a customer who receives continuous service for more than one year or has received such service at a previous location in the Company's service territory within sixty (60) days. Delinquency in the payment of bills is defined as follows:

2.4.1.1.1 Termination of service to the customer for nonpayment during the previous six (6) months; or

2.4.1.1.1.1 The accumulation of two consecutive months of arrears without making a reasonable payment of one-half of the total arrears before the time that the late payment charge may become applicable.

2.4.1.2 Exceptions to Rule 2.4.1.1:

2.4.1.2.1 The Company shall not require a security deposit for any customer it knows to be a recipient of public assistance, supplemental security income, or additional state payments.

2.4.1.2.2 The Company shall not demand or hold a security deposit from any new or current residential customer it knows is 62 years of age or older unless such customer has had service terminated for nonpayment of bills within the preceding six (6) months.

2.4.1.3 The Company shall require a security deposit as a condition of receiving service upon application of seasonal or short-term service. A seasonal customer is defined as an applicant who applied for and receives gas service periodically each year, intermittently during the year, or at other irregular intervals. A short-term customer is an applicant who requires service for a specified period of time not to exceed one (1) year.

2.4.1.4 The amount of the security deposit requested by the Company shall be a reasonable amount not to exceed two (2) times the average monthly bill for a calendar year, except in the case of gas space heating customers, where security deposits shall be a reasonable amount not to exceed two (2) times the estimated average monthly bill for the heating season. The heating season is defined as bills rendered during the period November through April inclusive.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 22
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

- 2.4.1.5 The Company shall notify a customer of its requirement for the payment of a security deposit within two (2) months after the failure to pay the bills rendered. The notification shall be a written notice providing the customer at least twenty (20) days advance notice before the security deposit is due.
- 2.4.1.6 The Company will permit a customer to pay the security deposit in installments over a period not to exceed twelve (12) months.
- 2.4.1.7 The Company shall review the status of a customer, for which a security deposit has been obtained, during the one-year period following payment of the deposit. If the customer has not been delinquent in the payment of bills during the period, the security deposit and the unpaid interest accrued thereon shall be refunded promptly, without prejudice to the Company's right to require a future deposit in the event that the customer thereafter becomes delinquent.
- 2.4.1.8 Whenever a security deposit has been required by the Company but thereafter refunded, the Company can require the payment of a new security deposit if the customer again becomes delinquent in the payment of bills for gas service pursuant to Rule 2.4.1.1.
- 2.4.1.9 Whenever a security deposit held by the Company is insufficient to cover the amount of the security deposit pursuant to Rule 2.4.1.4, the Company may require the customer to pay an additional security deposit.

2.4.2 Non-Residential Applicants and Customers:

2.4.2.1 Security Deposit Requirements:

- 2.4.2.1.1 The Company may only require payment of a security deposit from:
- 2.4.2.1.1.1 A new customer.
- 2.4.2.1.1.2 An existing customer who is delinquent.
- 2.4.2.1.1.3 An existing customer whose financial condition is such that it is likely that the customer may default in the future; provided, however, that the Company must have reliable evidence of such condition, such as reports from accepted financial reporting services, or credit reporting agencies.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 23
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

- 2.4.2.1.1.4 An existing customer who has filed for reorganization or bankruptcy.
- 2.4.2.1.1.5 An existing customer who has been rendered a backbill within the last twelve months for previously unbilled charges for service that came through tampered equipment.
- 2.4.2.1.2 The Company shall offer an existing customer, from whom a security deposit is required, the opportunity to pay the deposit in three installments, 50 percent down and two monthly payments, the sum of which equals the balance of the deposit.
- 2.4.2.1.3 The Company shall establish a written procedure covering its deposit policy and practice.
- 2.4.2.1.4 A Company request for a deposit or a deposit increase shall be in writing and shall advise the customer of the following:
 - 2.4.2.1.4.1 Why the deposit is being requested.
 - 2.4.2.1.4.2 How the amount of the deposit was calculated.
 - 2.4.2.1.4.3 That the deposit is subject to later upward or downward revision based on the customer's subsequent billing history.
 - 2.4.2.1.4.4 That the customer may request that the Company review the account in order to assure that the deposit is not excessive.
 - 2.4.2.1.4.5 The circumstances under which the deposit will be refunded.
 - 2.4.2.1.4.6 That the customer will receive annual notice of the interest credited to the account.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 24
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

2.4.2.1.4.7 The available deposit alternatives.

2.4.2.1.4.8 That for an existing customer from whom a deposit is being requested because of delinquency or financial condition, the deposit may be paid in three installments.

2.4.2.1.5 The Company shall issue to every customer from whom a deposit is obtained, a receipt showing the date, the account number, the amount received and the form of payment. Additionally, the receipt will contain a notice explaining the manner in which interest will accrue and be paid and that the receipt is neither negotiable nor transferable.

2.4.2.2 Deposit Calculation:

2.4.2.2.1 The amount of a deposit shall not exceed the cost of twice the customer's average monthly usage, except in the case of customers whose usage varies widely such as space heating or cooling customers, or certain manufacturing and industrial processors, where the deposit shall not exceed the cost of twice the average monthly usage for the peak season.

2.4.2.2.2 In the case of an existing customer who has 12 months or more of billing history, the amount of the deposit shall be based on service used during the previous 12 month period as evidenced by the billing history.

2.4.2.2.3 In the case of a new customer or a customer with less than 12 months of billing history, the amount of the deposit shall be based on one or more of the following as available:

2.4.2.2.3.1 The billing history of the customer.

2.4.2.2.3.2 Information provided in the application of the customer about the expected load and use of service.

2.4.2.2.3.3 Information contained in a load study of the premises prepared by the Company.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 25
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

2.4.2.2.3.4 The billing history of the previous customer, provided there have been no significant changes in the load.

2.4.2.3 Deposit Review:

2.4.2.3.1 The Company shall, at the first anniversary of the receipt of the deposit and at least biennially thereafter, review the billing history of every customer who has a deposit with the Company, to assure that the amount of the deposit conforms to the limitations contained in Rule 2.4.2.2. This requirement does not limit the right of the Company to review a deposit at any time.

2.4.2.3.2 If a deposit review shows that the deposit held falls short of the amount that the Company may lawfully require by 25 percent or more, the Company may require the payment of a corresponding additional deposit amount from the customer.

2.4.2.3.3 If a deposit review shows that the deposit held exceeds the amount that the Company may lawfully require by 25 percent or more, the Company shall refund the excess deposit to the customer.

2.4.2.3.4 Upon request of the customer for a downward revision of a deposit, which request is substantiated both by the customer's billing history and by a permanent documented change in load and consumption, the Company shall refund any portion of the deposit in excess of the amount the Company may lawfully require.

2.4.2.4 Deposit Alternatives :

2.4.2.4.1 The Company shall accept deposit alternatives which provide a level of security equivalent to cash, such as irrevocable bank letters of credit and surety bonds.

2.4.2.4.2 The Company may, at its discretion, accept from the customer in lieu of a deposit, a written promise to pay bills on receipt and a written waiver of the customer's right not to be sent a final termination notice until 20 calendar days after payment is due.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 26
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

2.4.2.5 Deposit Interest:

- 2.4.2.5.1 Every cash deposit shall accrue interest at a rate prescribed at least annually by the Commission in light of the current economic conditions and current charges paid for money borrowed by the Company, taking into account the expenses incurred by the Company in obtaining, handling, returning or crediting the sum deposited.
- 2.4.2.5.2 Interest shall be paid to the customer upon return of the deposit, or where the deposit has been held for a period of one year or more, the interest shall be credited to the customer no later than the first bill rendered after the next succeeding first day of October and at the expiration of each succeeding one year period.
- 2.4.2.5.3 Interest shall be calculated on the deposit until the day it is applied as a credit to an account or the day on which a refund check is issued. If the deposit is credited in part and refund in part, interest shall be calculated for each portion up to the day of the credit and refund.

2.4.2.6 Deposit Return:

- 2.4.2.6.1 The Company shall return a deposit or portion thereof plus applicable interest as soon as reasonably possible, but no more than 30 calendar days after:
 - 2.4.2.6.1.1 The day the account is closed.
 - 2.4.2.6.1.2 The issuance date of the first cycle bill rendered after a three year period during which all bills were timely paid, provided there is no other basis for the Company to request a deposit under Rule 2.4.2.1.
 - 2.4.2.6.1.3 A review pursuant to Rule 2.4.2.3, that shows a deposit reduction is warranted.
- 2.4.2.6.2 A deposit or portion thereof plus the applicable interest that is subject to return:
 - 2.4.2.6.2.1 Shall be credited to the account it secured in the amount of any outstanding charges.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 27
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

- 2.4.2.6.2.2 May be credited to the account it secured in the amount of the next projected cycle bill, if applicable.
- 2.4.2.6.2.3 May be credited to any other account of the customer not secured by a deposit, in the amount of the arrears on that account.
- 2.4.2.6.3 If a balance remains after the Company has credited the customer's account(s), a refund check shall be issued to the customer.
- 2.4.3 All Customers:
 - 2.4.3.1 Interest Paid on Security Deposits :
 - 2.4.3.1.1 Security deposits held by the Company will be credited with simple interest at the interest rate prescribed from time to time by the Public Service Commission as required by Subchapter A, Chapter 11, 16 NYCRR, Part 90.3. Interest paid on security deposits will be paid as a credit applied to the customer's bill. See Rule 2.4.2.5 for additional information regarding interest paid on non-residential accounts.
 - 2.4.3.2 Withholding of Service for Non-Payment of Security Deposits :
 - 2.4.3.2.1 Service will be withheld if an applicant refuses to pay a requested security deposit. If a current customer refuses to pay a security deposit, service will be terminated upon proper notification. If an applicant or customer initiates a security deposit complaint to the Public Service Commission, the Company will provide service during the pendency of the complaint provided the customer keep current on bills for service rendered. If the complaint only challenges the amount of the security deposit, the customer will be required to pay a reasonable security deposit.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/23/05

LEAF: 28
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

2. HOW SERVICE MAY BE OBTAINED: (continued)

2.4.3.3 Deposit:

2.4.3.3.1 Copies of a circular entitled "TERMS AND CONDITIONS UPON WHICH CONSUMERS' DEPOSITS ARE COLLECTED, HELD, AND MAY BE WITHDRAWN" setting forth Section 117 of the Public Service Law and Subchapter A, Chapter III, Title 16 of the New York Code of Rules and Regulations, Part 225.3 are available upon request at offices of the Company where applications for service are received.

3. PRIORITY OF SERVICE:

3.1 Effective November 1, 1977, and continuing thereafter until modified or terminated by Company or order of the Public Service Commission:

3.1.1 The Company will permit the attachment of residential space heating customers in new or existing one or two family homes. Applications will also be accepted from residences for small appliance use.

3.1.1.1 The applicant will be required to contribute to the estimated cost of the service line pursuant to Rule 11. Prior to the attachment for space heating use, the applicant shall conform to the minimum insulation standards pursuant to Part 233, 16 NYCRR.

3.1.2 The Company will accept applications for new or additional commercial and industrial gas use. For estimated gas use of 50,000 Dt or more per year, the Company may require the applicant to install or have available dual fuel facilities. In the event dual fuel capability is required, adequate alternate fuel must be maintained in order to enable the customer to satisfactorily operate their facilities whenever and so long as the gas supply is interrupted.

3.1.3 Dual fuel facilities will not be required if the Company approves the process because of its unique nature whereby there is not a feasible substitute. Applications where there is no feasible substitute will generally be limited to 20,000,000 Btu per hour input. In cases where such applications would exceed this limitation, the Company will give consideration to the gas use requested giving recognition to the total amount of gas available for sale and the potential demands by other qualifying customers.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 03/01/07

LEAF: 29
REVISION: 2
SUPERSEDING REVISION: 1

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

3.2 Company's Obligations for Transportation and Aggregation Options:

- 3.2.1 Customers selecting transportation or aggregation services are purchasing gas supplies from sources other than Niagara Mohawk. Niagara Mohawk is responsible for transporting gas received at its gate to the customer's meter in accordance with the terms of the applicable service class. Customers in these service classes are responsible for ensuring (individually or through an aggregator or marketer) that sufficient gas supplies are delivered to Niagara Mohawk's city gate to meet their consumption needs within the tolerances and limits of the applicable service classification.
- 3.2.2 Residential and Human Needs Customers purchasing Non-Niagara Mohawk gas supplies, if curtailed by their supplier will continue to retain the right to return to Niagara Mohawk as the supplier of last resort. These customers will be charged a standby charge for this service based on their MPDQ, unless the customer provides 1) written certification of 100 percent dual fuel capability by November 1st of each year or 2) written certification by November 1st of continuous access to five (5) winter months (November - March) of primary firm capacity from a receipt point, acceptable to the Director of Gas Supply, into the Company's east/west city gate, as applicable, sufficient to meet the customers' Maximum Peak Day Quantity. If the customer certifies either dual fuel capability as described in 1) above or primary firm capacity as described in 2) above, they will be treated as a Non-Human Needs Customer. Human Needs Customers are defined as residential, or related usage (residential hotels, prisons), or critical care accounts (nursing homes, hospitals, etc.). This does not include Distributed Generation customers taking service under S.C. 12. For aggregators' ease of administering to Human Needs Customers, the following table shows various Human Needs Customers by Standard Industrial Classification Code.

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 30
 REVISION: 0
 SUPERSEDING REVISION:

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

An apartment or housing complex with a single meter (SIC 0020-0040 and 0050)
Master metered mobile home park (SIC 0062)
A hot water or heat account for a residential complex with individual meters for each apartment, townhouse or condominium (SIC 6513)
A rooming or boarding house (SIC 7021)
An office or clinic for medical doctor(s) (SIC 8011)
An office or clinic for dentist(s) (SIC 8021)
A skilled nursing care health facility (SIC 8051)
An intermediate health care facility (SIC 8052)
A nursing and personal care health facility (SIC 8059)
A general medical and surgical hospital (SIC 8062)
A psychiatric hospital (SIC 8063)
A specialty hospital (SIC 8069)
A kidney dialysis center (SIC 8092)
A specialty outpatient clinic (SIC 8093)
A correctional institution, such as a prison (SIC 9223)
Residential hotel

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/01/15
STAMPS:

LEAF: 31
REVISION: 8
SUPERSEDING REVISION: 7

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

3.2.3 Customers purchasing Non-Niagara Mohawk gas supplies, other than residential and human needs customers described above or S.C. 8 standby sales service customers electing a D1 demand, will not retain the right to return to Niagara Mohawk as the supplier of last resort. During a period of curtailment, if gas supply delivered by a Direct Customer or Marketer to Niagara Mohawk's city gate is inadequate to meet the consumption of the customer or the Marketer's pool of customers, Niagara Mohawk will curtail consumption and/or divert deliveries to that customer or pool of customers in a manner to protect core customers, consistent with the curtailment priorities set forth at Rule 3.6. To the extent that a supplier's customers take volumes in excess of nominated and delivered volumes during a period of curtailment, the penalty charges of Rule 3.3.1 will be applicable.

3.2.3.1 Definition of Core Customers:

Core customers are defined as customers that (1) do not have alternatives to the use of gas and (2) those who receive either (a) firm sales service, or (b) firm transportation service and participate in the Company's Monthly Balancing program, or (c) firm transportation service and purchase standby sales service. In the case of (c), the portion of the customer's usage that will be considered "core" is limited to the customer's elected Daily Contract Demand Level.

3.2.3.2 To the extent customers do not meet the definition of core customers as defined in Paragraph 3.2.3.1, they shall be deemed to be non-core customers.

3.3 Penalty Charges for Failure to Curtail During Periods of Interruption:

3.3.1 If a customer has been directed to curtail consumption, by telephone or otherwise, and refuses to comply with the directed reductions, sales customers may be subject to an additional charge equal to the greater of \$25 per Dth or 125% of the highest per Dth cost of gas purchased in the Company's gas supply portfolio during the calendar month of unauthorized usage; and non-utility suppliers or delivery only customers will be subject to the incremental cost of gas, plus an additional charge equal to the greater of \$25 per Dth or 125% of the highest per Dth cost of gas purchased in the Company's gas supply portfolio during the calendar month of unauthorized usage.

3.4 Alternate Fuel Requirements:

Alternate fuel requirements for S.C. 6 customers with non-distillate alternate fuels consisting of No.4 fuel oil, No.6 fuel oil, and propane are covered under existing Rule 3.1.2. S.C. 6 customers with distillate alternate fuels consisting of diesel, kerosene or No. 2 fuel oil and Human Needs Customers will be subject to the following alternate fuel requirements:

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 31.1
REVISION: 2
SUPERSEDING REVISION: 0

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

- 3.4.1 S.C. 6 customers utilizing distillate alternate fuels and Human Needs Customers must maintain 10 days of provable storage capacity and alternate fuel except when the conditions covered under 3.4.1.1 and 3.4.1.2 below occur.
 - 3.4.1.1 Customers with available storage capacity of less than 10 days may elect to prove, to the Company's sole satisfaction, that the difference between the supply on hand and the 10 days of requirement can be met by an alternate fuel provider. The customer must show that a relationship exists with an alternate fuel provider for the difference between the fuel on hand and the 10 days of requirement. The customer may not rely on spot market purchases for the replenishment of the alternate fuel storage requirement required herein.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 32
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

3.4.1.2 Customers may elect by 30 days written notice prior to November 1 of each year to curtail their operation when requested rather than be subject to the requirements outlined in this Rule 3.4. Failure to comply completely with an interruption request will subject the customer to penalty charges outlined in Rule 3.4.4. Curtailment of a customer's operation shall be defined to mean that zero gas consumption is recorded on the customer's meter for the applicable interruption period. The customer must accomplish this zero gas consumption for the duration of the interruption period by curtailing the operation of its facility rather than switching to its primary alternative fuel source.

3.4.1.3 Customers with available alternate fuel storage capacity of less than 10 days full operational levels may elect by 30 days written notice prior to November 1 of each year to curtail its operations to a reduced level to the degree necessary to supplement its primary alternative fuel source so that it can completely interrupt gas consumption for 10 full days rather than be subject to the requirements outlined in this Rule 3.4. Failure to comply completely with an interruption request will subject the customer to penalty charges outlined in Rule 3.4.4. Curtailment of a customer's operation shall be defined to mean that zero gas consumption is recorded on the customer's meter for the applicable interruption period. The customer must accomplish this zero gas consumption for the duration of the interruption period by reducing/curtailing the operation of its facility for the portion of their requirements that exceeds the customer's available storage capacity rather than switching to its primary alternative fuel source. The customer shall be required to notify the Company of the available storage capacity.

3.4.2 Special Contract Customers (which permit modification through Commission action) taking service under S.C. Nos. 9 and S.C. 14 utilizing distillate alternate fuels and S.C. 9 and S.C. 14 Human Needs Customers will be required to maintain 5 days of provable storage capacity and alternate fuel. Customers with less than 5 days of interruptibility will be assigned an alternate fuel requirement on a pro-rata basis. For example, a customer with 3 days of allowed interruptibility would only be required to have 3 days of alternate fuel. Customers whose contracts provide for interruptibility provisions greater than 5 days will only be required to maintain 5 days of alternate fuel.

3.4.2.1 Customers taking service under S.C. Nos. 9 and S.C. 14, utilizing distillate alternate fuels, may elect to prove to the Company's sole satisfaction that the difference between the supply on hand and the required storage under 3.4.2 above can be met by an alternate fuel provider. The customer must show that a relationship exists with an alternative fuel provider for the difference between the fuel on hand and the customer's assigned alternate fuel storage requirement. The customer may not rely on spot market purchases for the replenishment of the alternate fuel storage requirement required herein.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 33
REVISION: 2
SUPERSEDING REVISION: 0

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

3.4.2.2 Customers taking service under S.C. Nos. 9 and S.C. 14, utilizing distillate alternate fuels may elect, by providing 30 days written notice prior to November 1 of each year, to curtail their operation when requested rather than be subject to the requirements outlined in this Rule 3.4. Failure to comply completely with an interruption request will subject the customer to penalty charges outlined in Rule 3.4.4. Curtailment of a customer's operation shall be defined to mean that zero gas consumption is recorded on the customer's meter for the applicable interruption period. For customers with both interruptible and firm loads, curtailment of the customer's operation shall be defined to mean that zero gas is consumed for the interruptible portion of the customer's load. The customer must accomplish this zero gas consumption for the duration of the interruption period by curtailing the operation of its facility associated with the interruptible load rather than switching to its primary alternative fuel source.

3.4.2.3 Customers taking service under S.C. Nos. 9 and S.C. 14, utilizing distillate alternate fuels, with available alternate fuel storage capacity that is less than the required alternate fuel storage capacity at full operational levels under 3.4.2 may elect, by providing 30 days written notice prior to November 1 of each year, to curtail its operations to a reduced level to the degree necessary to supplement its primary alternative fuel source so that it can completely interrupt gas consumption for 5 full days rather than be subject to the requirements outlined in the Rule 3.4. Failure to comply completely with an interruption request will subject the customer to penalty charges outlined in Rule 3.4.4. Curtailment of a customer's operation shall be defined to mean that zero gas consumption is recorded on the customer's meter for the applicable interruption period. The customer must accomplish this zero gas consumption for the duration of the interruption period by curtailing the operation of its facility for the portion of their requirements that exceeds the customer's available storage capacity rather than switching to its primary alternative fuel source. The customer shall be required to notify the Company of the available storage capacity.

3.4.3 Ten (10) days of alternate fuel requirement for S.C. 6 customers will be computed by determining the customer's average monthly gas usage in therms for the winter period November through March based on the prior three (3) winter seasons. If 3 years of data is not available, a shorter period of time may be used. This monthly average monthly consumption will then be divided by 30 and then multiplied by 10 days. The resulting therms will then be converted to gallons by dividing by the appropriate conversion factor. If no customer history exists, the estimated winter season gas usage in therms provided by the customer will be utilized.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 34
REVISION: 2
SUPERSEDING REVISION: 0

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

3.4.3.1 Five (5) days of alternate fuel requirement for S.C. 9 and S.C. 14 customers as set forth in rule 3.4.2 will be computed by using the customer's Maximum Winter Burn on a daily basis. The Maximum Winter Burn shall be equal to the customer's maximum daily delivery quantity set forth in the customer's service agreement.

3.4.3.2 The customer shall have the ability to request a revision to the alternate fuel requirement as computed in this paragraph, if the customer can demonstrate to the Company's satisfaction that it can support a different alternate fuel requirement. The Company shall, however, have the sole discretion to accept any requested revisions.

3.4.4 Additional Charges for Non Compliance:

3.4.4.1 If the customer fails to meet the requirements of Rule 3.4.1, 3.4.2, and Rule 3.5 below, as of November 1 of each heating season or becomes noncompliant during the winter period, the customer will be billed an additional charge for the billing period during which the noncompliance becomes known and any subsequent periods during which the noncompliance continues.

3.4.4.1.1 S.C. 6 customers who are in noncompliance under Rule 3.4 of this rate schedule will have their invoices subject to an additional charge in addition to any other applicable charges. The additional charge will be equal to the difference between the billed rate per therm exclusive of Gross Revenue Tax and the alternative rate per therm exclusive of Gross Revenue Tax multiplied by the customer's metered consumption. The alternative rate will be equal to the higher of (1) the customer's billed rate per therm exclusive of Gross Revenue Tax plus ten percent or (2) the average of the equivalent per therm rate for the customer's alternate fuel type of the City of Albany or Syracuse as appropriate from the Journal of Commerce and Bloomberg's Oil Buyers Guide plus 30 percent.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 35
REVISION: 3
SUPERSEDING REVISION: 1

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

- 3.4.4.1.2 S.C. 9 customers who are in noncompliance under Rule 3.4 of this rate schedule will have their invoices subject to an additional charge. The additional charge will be equal to twice the charge assessed under Rule 3.3 of this rate schedule for unauthorized usage during periods of interruption.
- 3.4.4.1.3 S.C. 14 customers who are in noncompliance under Rule 3.4 of this rate schedule will have their invoices subject to an additional charge. The additional charge will be equal to 120% of the applicable wholesale electric rate at the time of non compliance, converted to a gas rate.

3.5 Verification of Alternate Fuel Requirements:

- 3.5.1 The Company will conduct an on-site inspection of a random sampling of interruptible customers taking service under S.C. 6, S.C. 9 and S.C. 14 in order to verify the alternate fuel requirements set forth in Rule 3.4 above.
- 3.5.2 In addition, the Company will conduct an on-site inspection for any customer who failed to switch to alternate fuel in the 1999/2000 heating season and in subsequent winter seasons. The details of the Company's verification plan including the confirmation by the customer of 10 days of storage capacity and alternate fuel source, or lesser amounts as appropriate, will be set forth in the Company's Gas Transportation Operating Procedures Manual.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 39 of 328

PSC NO: 219 GAS

LEAF: 36

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 2

STAMPS: Issued in Compliance with Order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**3. PRIORITY OF SERVICE: (continued)**

3.6 Curtailment Priority:

In the event the Company is required to implement a curtailment interruption, the needs of core customers will be met first, regardless of whether the core customers are sales or transportation customers. In the event it is necessary to divert gas from non-core customers to supply the needs of core customers, except as otherwise provided pursuant to prior agreement with affected customer(s) or any pre-existing individually negotiated contract or service agreement, compensation to Marketers of non-core customers will be as set forth in Rule 3.6.1 below. When gas is diverted to serve firm sales service classifications, payments made by the Company will be recovered through the Monthly Cost of Gas in accordance with Rule 17.3 or an equivalent mechanism, subject to Commission review.

3.6.1 Compensation for Diverted Gas:

Compensation to (1) Marketers of non-core customers or (2) direct customers for gas diverted to supply the needs of core customers will be at the (Daily Cashout Rate as described on Leaf 119 and Leaf 119.1).

If the Marketer or Direct Customer can demonstrate, to the Company's satisfaction, that a customer's contract with the Marketer specifies a price higher than the applicable market price, as defined above, the Marketer will be compensated at the contract price.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 37
REVISION: 5
SUPERSEDING REVISION: 3

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

- 3.6.2 Curtailment will be designed to meet the needs of core customers first, regardless of whether the core customers are sales or transportation customers.

Curtailment will proceed through the 9 priorities in paragraph 3.6.3 below starting with Priority 1, irrespective of whether the affected customer is purchasing supplies from the Company or from a Marketer and irrespective of any curtailment plan submitted by the Marketer to the Company. The affected customer will be required to curtail after not less than two hours notice by telephone or otherwise. The Company will notify customers when curtailment of consumption is no longer required.

During a period of curtailment, Marketers or affected Transportation Customers will be required to maintain city gate deliveries of gas at the direction of the Company, subject to qualified upstream force majeure interruptions or curtailment preventing Marketers' ability to secure and deliver such supplies. Marketers or affected Transportation Customers will be obligated to continue to deliver or cause to be delivered, the quantities of gas that were nominated or scheduled for delivery at the time of the notice of curtailment. Such quantities shall continue to be delivered until notified by the Company otherwise. The cost of supplies purchased by the Company for the purposes hereunder shall be recovered as a gas cost under Rule 17.3.

- 3.6.2.1 Curtailment Priorities 1-9 will be curtailed on either a prorated or size basis at the sole discretion of the Company.
- 3.6.2.2 The Company will implement a curtailment only as a last resort, after other available options have failed. Such options may include mutual aid, contractual and other non-curtailment supply management tools, Operational Flow Orders, interruption of contractually-interruptible load, and supply acquisition shall be utilized before a LDC declares a curtailment.
- 3.6.2.3 As circumstances permit, the Company will initially seek voluntary curtailments to alleviate an emergency situation.
- 3.6.2.4 Economic considerations shall not be the basis for a curtailment.
- 3.6.2.5 Curtailments shall be limited in scope and duration as necessary to alleviate an emergency.
- 3.6.2.6 Curtailments shall be localized to the extent possible.
- 3.6.3 Order of Curtailment:
- 3.6.3.1 Priority 1 – Interruptible industrial and commercial customers taking service under Service Classification No. 6.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 2/01/08
STAMPS: Issued in Compliance with Order of PSC in Case 06-G-0059 dated 8/23/07.

LEAF: 37.1
REVISION: 3
SUPERSEDING REVISION: 2

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

- 3.6.3.2 Priority 2 – Customers taking negotiated transportation service under Service Classification No. 9 to the extent permitted by the customer’s contracts and Customers taking transportation service for dual fuel electric generators under Service Classification No. 14 to the extent permitted by the terms of the Service Class.
- 3.6.3.3 Priority 3 – Firm industrial and commercial boiler fuel use of 3000 or more Dt/Day which has alternate fuel capability.
- 3.6.3.4 Priority 4 – Firm industrial and commercial boiler fuel use of more than 1500 but less than 3000 Dt/Day which has alternate fuel capability.
- 3.6.3.5 Priority 5 – Firm industrial and commercial boiler fuel use of more than 1500 Dt/Day without alternate fuel capability.
- 3.6.3.6 Priority 6 – Firm industrial and commercial boiler fuel use of 1500 or less Dt/Day.
- 3.6.3.7 Priority 7 – Firm industrial and commercial non-boiler fuel use not included in Priorities 3 & 4 above.
- 3.6.3.8 Priority 8 - Firm industrial and commercial use whose aggregate industrial or commercial use is 300 Dt/Day or less. Firm industrial process and feedstock requirements, and plant protection use.
- 3.6.3.9 Priority 9 - Residential Requirements.

3.7 Communication:

- 3.7.1 The Company shall provide periodic updates to Marketers and curtailed customers so that they can plan accordingly.
- 3.7.2 The Company shall notify the Director of the Office of Electric, Gas and Water of the New York State Department of Public Service when a curtailment is declared and when the situation returns to normal.
- 3.7.3 Failure of the Company to adhere to one or more of the above criteria is not a basis for Marketers or Direct Customers not to comply with requirements of the curtailment, but may provide the basis for a complaint to the Commission regarding the LDC’s behavior.
- 3.7.4 If, during a curtailment period, the Company is aware of Marketers or Direct Customers that are not responding to the required actions, it shall make all reasonable efforts to inform the non-responding Marketers and Direct Customers that required actions are not being taken. Lack of such notice shall not relieve any Marketer or Direct Customer of its obligations.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/14
STAMPS:

LEAF: 38
REVISION: 4
SUPERSEDING REVISION: 3

GENERAL INFORMATION

3. PRIORITY OF SERVICE: (continued)

3.8 For the purposes of Rule 3.6, the following definitions shall apply:

3.8.1 Residential customers shall include any buildings heated solely by gas where persons reside, including apartment houses, prisons, dormitories, nursing homes, hospitals, or residential hotels.

3.8.2 Industrial customers shall include all customers who utilize gas, including utilization for space heating, for the manufacture or processing of goods and materials.

4. LIMITATION OF THE SERVICE OFFER:

4.1 Denial of Service:

4.1.1 Residential Applicants, as Defined in Rule 1.1, Definitions:

4.1.1.1 The Company reserves the right to deny or refuse to supply gas service to a residential applicant who is indebted to the Company for residential service provided to a prior account in his or her name, unless one of the following qualifications are met:

4.1.1.1.1 The applicant makes full payment of the arrears for the residential service provided to any such prior account in his or her name; or

4.1.1.1.2 The applicant has pending a billing dispute with the Company or the Public Service Commission with respect to any amounts due for service to a prior account in his or her name; or

4.1.1.1.3 The applicant has paid any amounts required by the settlement of a billing dispute relating to a prior account in his or her name; or

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 39
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

4. LIMITATION OF THE SERVICE OFFER: (continued)

4.1.1.1.4 The applicant is a recipient of or an applicant for public assistance, supplemental security income benefits or additional state payments pursuant to the Social Services Law, and the Company receives from an official of the Social Services District in which the applicant resides, or is notified by such an official that the account in the applicant's name together with a guarantee of future payments to the extent authorized by the Social Services Law; or

4.1.1.1.5 The Commission or its authorized designee directs the Company to provide service; or

4.1.1.1.6 The applicant agrees to make payments under a deferred payment agreement of any amounts due for service to a prior account in his or her name. In negotiating the deferred payment agreement with the Company, the applicant may be required to make a reasonable down payment based on his or her financial circumstances, not to exceed one-half of the amount in arrears or three months of average billing, whichever is less. The payments required under the deferred payment agreement would be in reasonable amounts based on the applicant's financial circumstances, on a weekly or monthly payment basis. After receiving service, the customer can renegotiate the payment agreement with the Company if the customer can demonstrate that his or her financial circumstances have changed because of conditions beyond the customer's control.

4.1.1.2 When the Company denies service to a residential applicant, the Company shall send a written notice to the applicant which states the reason or reasons for the denial, specifies precisely what the applicant must do to qualify for service, and advises the applicant of his right to an investigation and review of the denial by the Commission or its authorized designees if the applicant considers the denial to be without justification. The Company shall send the written notice to the applicant within three (3) business days of receipt of the application for service. When the written notice is sent by mail, the Company shall make a reasonable effort to provide immediate oral notice to the applicant.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 40
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

4. LIMITATION OF SERVICE OFFER: (continued)

4.1.2 Non-Residential Applicants:

4.1.2.1 The Company reserves the right to deny or refuse to supply gas service to a non-residential applicant who has failed to comply with any lawful pre requisite to becoming a customer of the Company. Such prerequisites are detailed in Rule 2.2.

4.1.2.2 The Company shall deny service only by written notice either delivered personally to the applicant or sent to the applicant's current business address or any alternative mailing address provided in the application for service.

4.1.2.3 The written notice of denial shall state the reason(s) for the denial, specify what the applicant must do to qualify for service, advise the applicant of the right to an investigation by the Commission or its authorized designee if the applicant considers the denial to be without justification, and identify the appropriate address and telephone number of the Commission.

4.1.2.4 The Company shall advise any applicant who submits an incomplete application, in writing and within 3 business days after receipt of the application of the information and/or documents that must be submitted in order for the application to be considered complete. Such notice shall not itself be considered a denial of the application for service.

4.1.2.5 The Company shall maintain, for a period of not less than one year, service applications that are denied and the Company's written notice of denial.

4.2 Gas Service will be supplied by Company subject to the provisions or orders, amendments and interpretations thereof of any governmental body having authority or jurisdiction over such service, notwithstanding anything to the contrary in the rules and regulations and the terms and conditions of service as set forth in Company's rate schedules.

4.3 Applicant should inquire of Company as to arrangements for and as to exact character of service available before proceeding with installation of piping or ordering of gas equipment.

4.4 Company does not guarantee against variation in pressure or heat value of gas.

4.5 Company will endeavor at all times to provide a regular and uninterrupted supply of service but in case the supply of service shall be interrupted or irregular or defective or shall fail from causes beyond Company's control or because of the ordinary negligence of Company, its employees, servants or agents, Company will not be liable therefore. See Rule 3.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 41
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

4. LIMITATION OF SERVICE OFFER: (continued)

- 4.5.1 Except for the payment of bills already due, neither the Company nor the customer shall be liable for damages, including the payment of minimum billing amounts, for interruptions of service caused by an act of God, windstorm, flood, fire, public enemy, governmental interference, explosion or any other cause whether of the kind here enumerated, or otherwise not reasonably within the control of the Company or customer. Prompt notice shall be given by the party claiming relief under this provision of the nature and duration of the event leading to such a claim.
- 4.6 Neither by inspection, if any, nor non-rejection, nor in any way, does Company give any warranty, expressed or implied, as to the adequacy, safety or other characteristics of any structures, equipment, pipes, appliances or devices owned, installed or maintained by customer or leased by customer from third parties.
- 4.7 Company will not be liable for any injury, casualty or damage resulting in any way from the supply or use of gas or from the presence or operation of Company's structures, equipment, pipes, appliances, wires or devices on customer's premises, except injuries or damages resulting from the negligence of Company.
- 4.8 The Company may, without liability therefore, interrupt or curtail service to any customer or customers if an emergency may threaten the health or safety of a person, a surrounding area, the Company's generation, transportation or distribution systems if, in its sole judgment, such action will prevent or alleviate the emergency condition, or, in the case of non-residential customers, if there is a need to make permanent or temporary repairs, changes or improvements in any part of the system, or there is a governmental order or directive requiring the Company to do so.
- 4.8.1 The Company shall, to the extent reasonably feasible under the circumstances, provide advance notice to those whose non-residential service will be interrupted for any of the above reasons.
- 4.8.2 The Company shall act promptly to restore non-residential service as soon as possible after disconnection under this section, provided, however, that service need not be restored to any building unit or piece of equipment if, at the time restoration is to occur, the Company has the lawful right to terminate service for another reason pursuant to 16 NYCRR, Parts 11, 12 and 13.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 42
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

4. LIMITATION OF SERVICE OFFER: (continued)

4.9 Selection of Service Classification:

4.9.1 The Company will endeavor to assist a customer in the selection of the available service which may be most favorable to his requirements, but does not make any warranty, expressed or implied, as to the rates, classifications or provisions favorable to the present or future service requirements of the customer.

4.10 The Company requires compliance with appropriate minimum insulation standards for all applications for gas service for new dwellings and any conversions of existing dwellings to gas space heating, as follows:

4.10.1 Definitions:

4.10.1.1 "Dwelling" - A building designed or used as a living unit for one or more families. For the purposes of this standard, mobile homes shall not be considered dwellings.

4.10.1.2 "Historic Building" - Any building or structure designated historically significant by the state or local governing body or listed (or determined by the Secretary of the Interior to be eligible to be listed) in "The National Register of Historic Places."

4.10.2 Minimum Standards for New Dwellings:

4.10.2.1 Applicability and Compliance:

4.10.2.1.1 All new dwellings in the State of New York for which an application for a building permit was made and plans were filed on or after January 1, 1979, and all new dwellings within the state for which construction was begun on or after January 1, 1979, will not be eligible for gas service unless the dwellings comply with the New York State Energy Conservation Construction Code. Compliance with this Code will be satisfied under any of the following circumstances:

4.10.2.1.1.1 A building permit is obtained for the dwelling from a building code authority or similar authority empowered by local law to issue building permits; or,

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 43
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

4. LIMITATION OF SERVICE OFFER: (continued)

4.10.2.1.1.2 An affirmation is given by the contractor or builder on a Certificate of Compliance that the Construction of the dwelling will comply with the State Energy Conservation Construction Code within 30 days after occupancy; or,

4.10.2.1.1.3 A modification or variance from the requirements of the State Energy Conservation Construction Code is issued by the State Board of Review as constituted pursuant to the Executive Law.

4.10.2.1.2 For any dwelling constructed after April 1, 1977, but before January 1, 1979, gas service will not be provided without compliance with the Company's minimum insulation standards which were in effect in this time period.

4.10.2.2 Waivers:

For any dwelling subject to the requirements of Rule 4.10.2.1, a waiver from these requirements may be granted by:

4.10.2.2.1 The Company when the overall heat loss for the building envelope does not exceed the total heat loss which would result from conformance to the individual requirements. The heat loss calculation shall be certified by a licensed engineer or architect.

4.10.2.2.2 The Company, if the applicant for service can establish through two estimates, one of which may be a Company audit, that the purchase price and installation charge (excluding financing charge) will be greater than seven times the anticipated annual savings to be obtained. The annual savings will be based on the present cost of the fuel currently used in the dwelling.

4.10.2.2.3 The Public Service Commission for just cause, in unusual circumstances, if the applicant for gas service has been denied of a waiver pursuant to subsections 4.10.2.2.1 or 4.10.2.2.2 of Rule 4.10.2.2.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 44
REVISION: 2
SUPERSEDING REVISION: 0

GENERAL INFORMATION

4. LIMITATION OF SERVICE OFFER: (continued)

4.10.2.2.4 Copies of waivers granted or denied by the Company shall be made available to the Commission. Each applicant that has been denied a waiver shall be promptly informed by the Company of the right to appeal to the Commission.

4.10.2.3 Certificate of Compliance:

4.10.2.3.1 A Certificate of Compliance shall be used in all areas of the state where no local authority exists to assure compliance with the insulation requirements of the State Energy Conservation Construction Code. The Certificate of Compliance pursuant to Rule 3 of P.S.C. No. 220 Electricity will be used for this purpose.

4.10.2.3.2 Each Certificate of Compliance shall be signed by a builder or contractor. The owner of the structure shall receive a copy of the Certificate.

4.10.2.4 Compliance Procedures:

4.10.2.4.1 In areas where there is no local building code authority, upon a complaint by a dwelling owner or tenant concerning non-compliance with the provisions of Rule 4.10.2.1, the Company will perform an on-site inspection to determine conformance with the standards concerning roofs, walls, foundation walls, floors, windows and doors. The result of this inspection will be provided in writing to the owner (and tenant where applicable) of the residential building.

4.10.2.4.2 Whenever the Company finds, as a result of such inspection in subsection 4.10.2.4.1 or notification by the local building code authority, more than one outstanding complaint against any contractor wherein a dwelling constructed by such contractor or builder was found to be in non-compliance with the applicable standards, the Company shall refuse to provide gas service to any construction site of that contractor or builder until all existing violations are corrected. The Company shall undertake random inspections of future construction work of a past non-complying contractor or builder until such time as the Company is satisfied that the applicable standards are being met. The Company may charge the builder or contractor a reasonable inspection fee for each residential structure inspected.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 45
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

4. LIMITATION OF SERVICE OFFER: (continued)

4.10.2.5 Penalties for Non-Compliance:

4.10.2.5.1 In the event that the Company finds that any dwelling fails to comply with Rules 4.10.2.1.1 and 4.10.2.1.2, the Company shall impose a 25 percent surcharge on the Company's total bill for electric and/or gas services until such violations are corrected.

4.10.2.5.2 The effective date of the surcharge rate shall be:

4.10.2.5.2.1 Immediately after notice, in the event the owner is directly responsible for the non-compliance.

4.10.2.5.2.2 Ninety days after notice, in the event the owner has not contributed to the deficiencies. No surcharge shall be applied if the owner brings the building into compliance within the ninety-day period.

4.10.2.5.3 In the event the owner is not billed for the Company's services, no surcharge will be applied to the bills of the non-owner occupants of the dwelling. After notification to the owner that the building is not in compliance, a surcharge will be billed to the owner. The surcharge will be 25 percent of the Company's total bills for the dwelling that is not in compliance. In the event that circumstances prevent collecting the surcharge from the owner of the non-complying building, the Company may refuse future connections for service to new tenants in the dwelling until it is brought into compliance. If the owner is an occupant of the building, but is not billed for the Company's service, the surcharge will be imposed on the bill for service to the unit occupied by the owner.

4.10.3 Minimum Insulation Standards for Existing Dwellings Converting to Gas Space Heating:

4.10.3.1 Applicability and Conditions:

An existing dwelling will not be supplied with gas service for the purpose of converting to gas space heating unless:

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 46
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

4. LIMITATION OF SERVICE OFFER: (continued)

- 4.10.3.1.1 The roof/ceiling has at least six inches of insulation or insulation with an R value of 19 or greater, and
- 4.10.3.1.2 The dwelling has storm windows or thermal windows with multiple glazing, and
- 4.10.3.1.3 The entrances have storm doors or thermal doors.
- 4.10.3.2 Waivers:
 - 4.10.3.2.1 The Company may waive the requirements in Rule 4.10.3.1 where:
 - 4.10.3.2.1.1 The applicant for service can establish through two estimates, one of which may be a Company audit, that the purchase price and installation charge (excluding financing charges) will be greater than seven times the anticipated annual savings to be obtained. The annual savings will be based on the present cost of fuel currently used in the building.
 - 4.10.3.2.1.2 The dwelling is a historic building.
 - 4.10.3.2.1.3 Other measures have been taken so that the overall heat loss for the building envelope does not exceed the total heat loss which would result from conformance with the minimum requirements of Rule 4.10.3.1. Such a heat loss calculation must be certified by a licensed engineer or architect.
 - 4.10.3.2.2 In the case of a dwelling having a flat roof, compliance with the roof insulation standard will not be required if four or more inches of insulation are already in place or if insulation can be installed only by means of cutting an opening in the roof.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 47
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

4. LIMITATION OF SERVICE OFFER: (continued)

4.10.3.2.3 In the case of a dwelling having six or more stories, storm windows will not be required as long as the Company certifies that the dwelling's windows are caulked and weather-stripped. This certification shall be made in writing to the Commission. For dwellings having less than six stories, a storm window will not be required on any window opening onto a fire escape.

4.10.3.2.4 Copies of waivers granted or denied by the Company shall be made available to the Commission. Each applicant that has been denied a waiver shall be promptly informed by the Company of the right to appeal to the Commission.

4.10.3.2.5 The Commission may grant a waiver of the requirements of Rule 4.10.3.1 for just cause in unusual circumstances if the applicant for gas service has been denied a waiver pursuant to subsection 4.10.3.2.1 of Rule 4.10.3.2.

4.10.3.3 Certificate of Compliance:

4.10.3.3.1 A dwelling's compliance with Rule 4.10.3.1 shall be certified either by the owner, a contractor of the owner's choice who has inspected the building or a Company representative who has inspected the building at the owner's request.

4.10.3.3.2 The Company will provide the Certificate of Compliance to the applicant at the time of application for service, so that the applicant will be apprised of the requirements for service and the methods by which compliance can be certified.

4.10.3.4 Penalties for Non-Compliance:

4.10.3.4.1 The Company shall impose a 25 percent surcharge on the customer's total bill for electric and/or gas service to any dwelling which has been converted to gas space heating and which does not comply with the standards set forth in Rule 4.10.3.1.

4.10.3.4.2 The effective date of the surcharge rate shall be:

4.10.3.4.2.1 Immediately after notice, in the event the owner has not contributed to the deficiencies. No surcharge shall be applied if the owner brings the building into compliance within ninety days.

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 06/01/19
 STAMPS: Issued in compliance with Order in Case 18-M-0756 dated May 20, 2019

LEAF: 48
 REVISION: 5
 SUPERSEDING REVISION: 2

GENERAL INFORMATION

4. LIMITATION OF SERVICE OFFER: (continued)

4.10.3.4.2.2 Ninety days after notice, in the event the owner has not contributed to the deficiencies. No surcharge shall be applied if the owner brings the building into compliance within ninety days.

4.10.3.4.3 In the event the owner is not billed for the Company's services, no surcharges will be applied to the bills of the non-owner occupants of the dwelling. After notification to the owner that the building is not in compliance, a surcharge will be billed to the owner. The surcharge will be 25 percent of the Company's total gas bills for the building that is not in compliance. In the event that circumstances prevent collecting the surcharge amount from the owner of the non-complying building, the Company may refuse future connections for service to new tenants in the dwelling until it is brought into compliance. If the owner is an occupant of the dwelling but is not billed for any services, the surcharge will be imposed on the bill for services to the unit occupied by the owner.

4.11 Customer Consent to Contact

4.11.1 By accepting gas service from the Company pursuant to the terms of this tariff, Customer hereby expressly consents to receive autodialed and prerecorded/automated calls and texts (collectively, "calls"), closely related to the utility service, unless the Customer opts out as described below. Such calls shall be limited to calls that warn/inform Customer about planned or unplanned service outages; provide updates about service outages or service restoration; ask for confirmation of service restoration or information about lack of service; provide notification of meter work, or other field work that affects Customer's utility service; notify Customer of possible eligibility for subsidized or lower-cost services due to certain qualifiers such as, e.g., age, low income or disability; or relate to handling, servicing, and billing for Customer's account. Calls may include contact from companies working on the Company's behalf to service Customer's account. Message and Data rates may apply. Customer may stop these types of messages by replying STOP in response to a text message, or by contacting the Company to request removal of their phone number using the following:

Call Customer Service (1-800-642-4272)
 via email to optout@nationalgrid.com
 via regular mail to the following address: National Grid, Attn: Customer Care, 300 Erie Boulevard West, Syracuse, NY 13202

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 06/01/19
STAMPS: Issued in compliance with Order in Case 18-M-0756 dated May 20, 2019

LEAF: 48.1
REVISION: 1
SUPERSEDING REVISION:

GENERAL INFORMATION

5. CUSTOMER USE OF SERVICE:

- 5.1 Subject to Rule 5.1.1, customer shall provide all piping on customer's premises except piping required for service lines, meter and regulator installations. Company is not responsible for the adequacy or safety of customer's equipment or piping beyond the end of the service line. The Company reserves the right to discontinue service whenever customer fails to maintain such equipment and piping in a safe and adequate condition or fails to utilize gas in such a manner as to avoid interference with the service furnished by Company to other customers.
- 5.1.1 Customers will be required to provide piping for service line installations, in excess of the portion provided by the Company as set forth in Rule 10.1, if the customer elects to install a portion of the service line in compliance with all provisions of Rule 11.7 of the General Information Section of this schedule.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/20/09
STAMPS: Issued in Compliance with Order of PSC in Case 08-G-0609 dated 05/15/09.

LEAF: 49
REVISION: 3
SUPERSEDING REVISION: 1

GENERAL INFORMATION

5. CUSTOMER USE OF SERVICE: (continued)

- 5.2 Customer shall give Company reasonable advance notice, preferably in writing, of any proposed increase in service required, setting forth in such notice the amount, character and expected duration of time the increased service will be required. If such increase in load necessitates added or enlarged facilities (other than metering equipment), Company may require customer to make a reasonable contribution to the cost of adding or enlarging the facilities whenever customer fails to give assurance, satisfactory to Company, that the taking of the increased service shall be of sufficient duration to render the supply thereof reasonably compensatory to Company. Customer or Company may apply to the Public Service commission for a ruling as to the necessity for and reasonableness of the contribution required.

6. TEMPORARY SERVICE:

- 6.1 Temporary service is non-recurring service intended to be used for a short time only, or service to a non-permanent structure and/or personal property, or service to a building and/or structure which is non-permanent in that it may be readily removed or relocated. Temporary service may include the installation of any extension, service line, setting meters or other extra work by Company. For temporary service the entire cost of making the connection and removing same is to be paid for by customer. Payment may be required in advance. Temporary service will be furnished under the applicable service classification without term limitation.

7. RESALE, REMETERING OR SUBMETERING:

- 7.1 Gas service will not be supplied or transported under any Service Classification of this rate schedule for resale, remetering, submetering, redistribution or other redistribution except that any customer may furnish gas for the use of his tenants or for the use of other occupants of his premises provided that the customer shall not resell, make a specific charge for, or remeter or submeter (except as provided below) or measure any of the gas so redistributed or furnished. Landlords of industrial and commercial properties, which do not have residential tenants, may file a petition and application to the New York State Public Service Commission requesting permission to submeter gas service to their tenants. Such petition and application must address the following four areas of major concern regarding the request to submeter (1) safety, (2) rate impact for the ultimate consumer, (3) non-rate consumer protection issues, and (4) service provider and utility matters. The petition and application must also provide that the conditions proffered will be reiterated in leases with the submetered tenants. Copies of such petition and application must be served on the Company and the petitioner's tenants.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 06/12/17
STAMPS: Issued in compliance with Order in Case No. 15-G-0244 dated April 20, 2017

LEAF: 50
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

8. ACCESS TO PREMISES:

- 8.1 In accepting service, customer grants to identified Company employees and agents the right to access to customer's premises or other location supplied with service by the utility, at all reasonable times for such purposes as the reading of meters, inspection and examination of meters, pipes, fittings, appliances, regulators or installing, operating, maintaining, disconnecting and removing any or all of the property belonging to the Company. Company may discontinue service if access to its meters or other equipment is unreasonably refused, or if access is obstructed or hazardous provided Company has complied with applicable provisions of 16 NYCRR, Parts 11, 12 and 13.
- 8.2 In the case of non-residential customers receiving service, except to the extent prevented by circumstances beyond its control, the Company shall conduct a field inspection as soon as reasonably possible and within 60 calendar days of a reasonable customer request, issuance of a field inspection order in accordance with an automatic utility bill review program, notification from any reasonable source that service may not be correctly metered or a directive by the P.S.C. or its authorized designee.
- 8.3 The Company may bill a \$100 penalty charge to a Customer or Access Controller who, at any time, directly or indirectly prevents or hinders a duly authorized employee or agent of the Company from entering the building or location, or from making an inspection or examination, at any reasonable time. The penalty may be billed for each such offense as provided in Section 65 (9) (b) of the Public Service Law.
- 8.3.1 The \$100 penalty will be assessed on the customer's or Access Controller's bill following two missed appointments or after one refusal of access for the purpose of performing required leakage surveys and atmospheric corrosion inspections.
- 8.3.2 If the Customer or Access Controller remits payment of this \$100 penalty but access is continued to be refused:
- a. the Company will notify the NYS PSC Department Office of Consumer Services;
 - b. the Customer will be given 15 days' notice of termination; and
 - c. the Form of Notice that will be presented to the Customer is contained on Leaf 50.1.
- 8.3.3 If the \$100 penalty is assessed and it is not paid, regular termination procedures for non-payment will apply.
- 8.3.4 If service is disconnected in accordance with Sections 8.3.2 or 8.3.3, the Company may require completion of any required inspection before reconnecting service.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 06/12/17
 STAMPS: Issued in compliance with Order in Case No. 15-G-0244 dated April 20, 2017

LEAF: 50.1
 REVISION: 0
 SUPERSEDING REVISION:

GENERAL INFORMATION

8..3.5 Form of Notice:

NOTICE OF TERMINATION FOR REFUSAL OF ACCESS

Leakage Surveys and Atmospheric Corrosion Inspections

Dear Customer or Access Controller for the meter related to Account No. _____:

National Grid is required by New York State law to perform periodic leakage survey and atmospheric corrosion inspections of the gas meter and its associated piping that are located inside your home or business. You were recently charged a \$100 fine on your gas bill for failing to provide access to allow National Grid to perform the required inspection. On [DATE], the Company attempted to gain access again but was not successful.

This notice is to inform you that your natural gas service will be terminated in 15 days unless access is granted. In order to avoid termination, please contact National Grid at 1-800-642-4272 Monday – Friday 7:00 a.m. – 7:00 p.m. to schedule the inspection. If you do not contact us to schedule an appointment within 15 days of this notice, your gas service will be terminated. If an appointment is made and not kept, your service will be terminated 15 days from the date of the missed appointment.

If your service is terminated pursuant to this notice, service may not be reconnected until the required inspection is completed.

If you do not control access to the meter, please notify Customer Service and provide us with the contact information of the person who controls access.

A copy of this notice is being provided to the NYS Public Service Commission – Office of Consumer Services.

9. DISCONTINUANCE AND COMPLAINT PROCEDURES AND THE WITHHOLDING OF SERVICE:

9.1 Company may discontinue the supply of gas for non-payment of bills rendered for service or for failure to post a required deposit when Company has complied with:

9.1.1 Non-Residential Customers:

9.1.1.1 The procedure and form of notice required by Part 13, 16 NYCRR provided that there will be no discontinuance of service until at least eight (8) days after the mailing of the final notice of termination, five (5) days if notice has been personally served upon the customer.

9.1.2 Residential Customers:

9.1.2.1 The procedures and form of notice required by 16 NYCRR Parts 11 and 12, provided that there will be no discontinuance of service until at least fifteen (15) days after the mailing of the final notice of termination.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 51
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

9. DISCONTINUANCE AND COMPLAINT PROCEDURES AND THE WITHHOLDING OF SERVICE: (continued)

9.1.3 Multiple Dwelling Customers:

9.1.3.1 Where service is to an entire multiple dwelling (as defined in the Multiple Dwelling Law or Multiple Resident Law), the procedures and form of notice required by 16 NYCRR, Part 11.7, provided that there will be no discontinuance of service until at least eighteen (18) days after the mailing and posting of the appropriate notices.

9.1.4 Copies of the Company's discontinuance of service and complaint handling procedures along with the provisions contained in Parts 11, 12 and 13, 16 NYCRR, are available for inspection at Company offices where applications for service may be made in person.

9.2 Any complaint filed with the Company regarding disputed bills, charges or deposits will be promptly investigated in accordance with the procedures and form of notice required by Public Service Commission rules contained in Part 275 - Notice of Discontinuance and Complaint Procedures, of Subchapter D - Rates and Charges of Chapter III of Title 16 of the New York Code of Rules and Regulations, Sections 275.8 and 275.9.

9.2.1 Company may discontinue service to a customer who has disputed a bill or deposit when Company has complied with said Commission rules.

9.2.2 Copies of Company's Notice of Discontinuance and Complaint Handling Procedures and form of notice are on file with the Commission and are available to the public upon request at Company offices where applications for service are received.

9.3 In addition to the provisions of the Service Classifications as to the term of their respective agreements for service, the Company reserves the right to withhold service or to discontinue service or terminate any agreement therefore, in such manner as may be permitted by law under the circumstances, if the customer at any time refuses or fails to make application and agreement for service as provided by this rate schedule or defaults in the payment of a bill rendered for service, or if the customer refuses or fails to comply with any applicable provision, rule, regulation, term or condition of this rate schedule, or with any applicable law or order of the Public Service Commission or other authorities having jurisdiction, or if the customer's installation or parts thereof is deemed by the Company to be unsafe, inadequate or unsuitable for receiving the Company's service, or to interfere with or impair the continuity or quality of the Company's service to the customer or to others, or if changes at customer's premises cause Company's facilities to become unsafe, inadequate or unsuitable.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 52
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

9. DISCONTINUANCE AND COMPLAINT PROCEDURES AND THE WITHHOLDING OF SERVICE: (continued)

- 9.4 If any pipe or other contrivance is connected upon customer's premises with any pipe used for supplying gas to customer in such a manner that customer takes gas under such circumstances that a meter provided by Company for the purpose does not register the quantity consumed or if any meter or other instrument installed upon customer's premises for measuring the quantity of gas consumed is wrongfully obstructed, altered, injured or prevented from functioning, or if any fraud upon Company shall be practiced upon customer's premises, Company may, at any time, without notice, discontinue the supply of gas to the residential customer and remove its meter or meters, apparatus and pipes provided the Company has complied with all applicable provisions of 16 NYCRR, Parts 11, 12 and 13. In the case of non-residential customers, prior to discontinuing service, the Company must:
- 9.4.1 Have evidence that the customer opened the account and used the service prior to the creation of the condition or that the customer knew, or reasonably should have known, that service was not being fully billed.
- 9.4.2 Have rendered a written unmetered service bill.
- 9.4.3 Have made reasonable efforts to provide to a person in charge of the premises both the written unmetered service bill and oral notice of the conditions, if any, under which the Company will continue service, which may include the payment by cash, certified check, or money order within two hours, of some portion of the bill up to, but not exceeding, 50 percent.
- 9.4.4 Have not received the required payment.
- 9.5 When the supply of gas has been discontinued for any of the reasons set forth in this Rule 9, the Company is obligated to reconnect terminated service within 24 hours, unless prevented by circumstances beyond the Company's control or unless a customer requests otherwise, in the following situations:
- 9.5.1 Receipt by Company of the full amount of arrears and/or a security deposit for which service was terminated, and, in the case of non-residential customers, any other tariff charges billed after the issuance of the termination notice which are in arrears at the time reconnection is requested.
- 9.5.2 Agreement by the Company and the customer on a deferred payment plan and the payment of a downpayment, if required, under that plan.
- 9.5.3 Company shall reconnect service that has been terminated within 24 hours after the direction of the Commission or its designee. In the case of non-residential service, such direction may occur only where the termination was in error, or the customer has filed a complaint with the Commission and has either paid in full the undisputed amount or has entered into a deferred payment agreement and has paid the required down-payment.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 53
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

9. DISCONTINUANCE AND COMPLAINT PROCEDURES AND THE WITHHOLDING OF SERVICE: (continued)

- 9.5.4 Upon receipt by the Company of a commitment of a direct payment or written guarantee of payment from the social services official of the social services district in which the residential customer resides.
- 9.5.5 Where the Company has notice that serious impairment to health or safety is likely to result if residential service is not reconnected.
- 9.5.6 The Company shall reconnect service that has been terminated solely for failure to provide access within 24 hours of the non-residential customer's request for reconnection, provided the customer has allowed access and has made a reasonable arrangement for future access.
- 9.5.7 The Company shall reconnect non-residential service that has been terminated solely for a violation of the tariff within 24 hours of a customer's request for reconnection and, at the option of the Company, either receipt by the Company of adequate notice and documentation, or a field verification by the Company, that the violation has been corrected; provided, however, that the field verification, if required, shall be arranged within two business days of the customer's request or such later time as may be specified by the customer.
- 9.5.8 The Company shall reconnect non-residential service that has been terminated for two or more independent reasons when the customer has requested reconnection and has satisfied all conditions for reconnection. The reconnection shall be accomplished within the time period applicable to the last condition satisfied under 9.5.1, 9.5.6 and 9.5.7 of this section.
- 9.5.9 Whenever circumstances beyond the Company's control, as set forth in 2.1.4.2 prevent reconnection of service within 24 hours in any of the events specified in Section 9, service shall be reconnected within 24 hours after those circumstances cease to exist.

10. EXTENSION OF MAINS:

- 10.1 The Company will extend its gas main facilities at no charge under the following conditions:
 - 10.1.1 The Company shall have received a written application for gas sales or transportation service, on the prescribed forms, from the owner or occupant of any property abutting on or having access to any such public or private right-of-way and
 - 10.1.2 The governmental authority having jurisdiction will permit the Company to install and maintain facilities, and
 - 10.1.3 That said applicant shall first have assured Company that he/she will be a reasonably permanent customer.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 54
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

10. EXTENSION OF MAINS: (continued)

10.1.4 Residential Applicant – Non-Heating:

If an applicant requests residential non-heating service, the Company shall furnish, place and construct all mains, service lines, service connections and appurtenant facilities necessary to render the service requested. The cost and expense which the Company must bear shall include:

10.1.4.1 The material and installation costs relating to up to 100 feet of main and service line combined, service connections and appurtenant facilities, but not less than 100 feet of main (if necessary) plus the length of service line necessary to reach the edge of the public right-of-way.

10.1.4.1.1 The service line will be measured from the centerline of the public right-of-way (or the main, if it is closer to the customer and development will be limited to one side of the right-of-way for at least 10 years).

10.1.4.2 The amounts legally imposed by governmental authorities for obtaining required work permits and for repairing or replacing disturbed pavement.

10.1.5 Residential Heating Applicant:

If an applicant requests residential heating service, the Company shall furnish, place and construct all mains, service lines, service connections and appurtenant facilities necessary to render the service requested. The cost and expense which the Company must bear shall include:

10.1.5.1 The material and installation costs relating to:

10.1.5.1.1 Up to 100 feet of main and appurtenant facilities, and

10.1.5.1.2 Up to 100 feet of service line measured from the centerline of the public right-of-way (or the main if it is closer to the customer and development will be limited to one side of the right-of-way for at least 10 years), service connections and appurtenant facilities; but not less than the length of service line necessary to reach the edge of the public right-of-way; and

10.1.5.2 The amounts legally imposed by governmental authorities for obtaining required work permits and for repairing or replacing disturbed pavement.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/15/06

LEAF: 55
REVISION: 2
SUPERSEDING REVISION: 1

GENERAL INFORMATION

10. EXTENSION OF MAINS: (continued)

10.1.6 Non-Residential Applicant:

If an applicant requests service other than residential service, the Company shall furnish, place and construct all mains, service lines, service connections and appurtenant facilities necessary to render the service requested. The cost and expense which the Company must bear shall include:

10.1.6.1 The material and installation costs relating to:

10.1.6.1.1 Up to 100 feet of main and appurtenant facilities; and

10.1.6.1.2 Any service line, service connections and appurtenant facilities located in the public right-of-way; and

10.1.6.2 The amounts legally imposed by governmental authorities for obtaining required work permits and for repairing or replacing disturbed pavement.

10.1.7 Notwithstanding the foregoing, a customer may elect to furnish, place, and construct a portion of the required service line in accordance with Rule 11.5.

10.2 If due to unusual circumstances the actual cost per foot of a particular installation is greater than two times the Company's average cost per foot of new installations for service for the twelve months ended September 30 of the previous year, it may apply to the Commission for relief from so much of this Rule as it deems necessary in order to provide the service.

10.3 The applicant will be responsible for those costs associated with extending the gas main beyond the footage allowed in Rule 10.1. The applicant shall agree to pay Company the rates charged to customers under the appropriate service classifications and in addition:

10.3.1 A surcharge relating to mains and appurtenant facilities including return, depreciation, taxes and maintenance of 20 percent per year of the actual reasonable cost of such facilities that exceeds the portion which the Company is required to install without charge to an applicant.

10.3.1.1 The cost of such facilities includes a main of 4 inches or less in nominal diameter (in the case of low pressure distribution) or of 2 inches or less in nominal diameter (in the case of high pressure distribution). A main shall be considered to be high pressure when a governor is required to be installed between the service connection to the main and the customer's meter.

10.3.1.2 If the Company lays a main *greater than* 4 inches in nominal diameter (in the case of low pressure distribution) or greater than 2 inches in nominal diameter (in the case of high pressure distribution), the surcharge shall not exceed 20 percent per year of the *estimated reasonable cost* of a 4-inch main (in the case of low pressure distribution), or a 2-inch main (in the case of high pressure distribution).

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 56
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

10. EXTENSION OF MAINS: (continued)

- 10.3.1.3 If the estimated consumption of the proposed customer(s) requires the installation of a *larger-sized* main than in Section 10.3.1.1, the surcharge shall not exceed 20 percent per year of the actual reasonable cost of such main.
- 10.3.2 The surcharge shall be paid ratably for each billing period, provided that the surcharge shall begin when gas service is first available to the applicant and shall cease ten years from that date.
- 10.3.2.1 Upon terminating service, customer shall pay the balance due on the surcharge for the first year if service has been taken for less than one year.
- 10.3.3 The surcharge shall be reduced by a credit computed annually. The credit shall be 50 percent of adjusted gas revenues, provided that the credit shall not exceed the amount of the surcharge as determined above.
- 10.3.4 Whenever more than one customer is connected to the extension, the surcharge shall be so adjusted that the Company shall not receive in any one calendar year more than the percentage applicable to said extension from all customers served from said extension and said surcharge shall be reasonably allocated to the several customers served from said extension, taking into account that portion of mains and appurtenant facilities which the Company is required to provide without charge to each customer served from such facilities.
- 10.3.5 Whenever the number of customers on a main extension multiplied by 100 feet shall equal or exceed the length of the main extension, or whenever the total adjusted gas revenue in each of any two (2) consecutive calendar years from all customers on the main extension equals or exceeds forty percent of the actual reasonable cost of said main extension, all surcharges shall cease; and no surcharge shall be imposed if the total estimated adjusted gas revenue in each of any two consecutive calendar years shall equal or exceed forty percent of the actual reasonable cost of the extension.
- 10.3.6 The customer must first have furnished reasonable security as to performance of his/her agreement if so required by Company.
- 10.3.7 In lieu of a surcharge, the applicant(s) may elect to make a cash contribution equal to the cost of the main extension in excess of the allowance provided in Rule 10.1 from the nearest main appropriate to the service requested, less the allowance from applying an estimated two years adjusted gas revenue.
- 10.3.7.1 Whenever more than one customer is initially connected to the extension, the cash contribution shall be reasonably allocated to the several customers served from the extension.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 09/01/06

LEAF: 57
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

10. EXTENSION OF MAINS: (continued)

- 10.3.7.2 Should additional customers be connected to said main extension during the initial five year period from the date placed in service, a pro rata refund will be made for the cost of that additional portion of main extension which Company would have allowed without charge or surcharge.
- 10.3.8 Should the adjusted gas revenue from all customers served from a main extension exceed the carrying cost of the entire extension, any surcharges (or contributions) paid by such customers during the preceding five years will be refunded to such customers.
- 10.3.9 For gas applications for firm sales and firm transportation service of 25,700 Dt or more per year and all levels of interruptible sales and interruptible transportation, the Company will require that the cost of the main extension and system improvements, if required, be justified by adjusted gas revenues within a two (2) year period. In the event that actual adjusted gas revenues within a two (2) year period do not equal or exceed the cost of the facilities installed in excess of the allowance provided in Rule 10.1, the customer will be required to pay a contribution for the cost of the facilities not covered by adjusted gas revenues. If additional customers are connected to the facilities installed, the additional adjusted gas revenues generated by the additional customers will be considered for justification of the required facilities within the initial two (2) year period.
- 10.4 Whenever, at the request of a developer, owner or occupant, the Company installs a gas main prior to the time when service is required, said developer, owner or occupant shall bear the entire reasonable expense of providing, placing and constructing the gas main. When gas service is begun, the developer, owner or occupant shall be entitled to a refund equal to the cost of gas main provided by the Company in Rule 10.1 for each unit taking service. The total refund shall not exceed the total cost of the installation. Any monies unrefunded at the end of the five-year period subsequent to the installation of gas main facilities shall be retained by the Company.
- 10.4.1 Upon mutual agreement of both Company and developer, a developer may post a bond or provide a letter of credit, as a guarantee of performance, in lieu of the refundable portion of the contribution required in Rule 10.4. This procedure would be applicable to that length of main allowed under Rule 10.1.
- 10.5 Furnishing of Rights-of-Way or Agreement to Pay Cost:
- 10.5.1 The applicant or applicants shall execute and deliver to, and obtain for, the Company, free from cost, satisfactory permanent easements or rights-of-way insofar as the extension or subsequent addition thereto affects the property owned by the applicant, applicants, or others for placing and maintaining the extended main or service line.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 58
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

10. EXTENSION OF MAINS: (continued)

- 10.5.2 The Company shall not be obliged to commence construction of an extension of its system until the applicant or applicants to be served by such extension have obtained and delivered to the Company satisfactory permanent easements or rights -of-way agreements or have agreed to pay such cost as may be incurred by the Company if at the applicant's request, Company obtains such easements or rights-of-way. If the applicants request the Company to obtain such easements or rights -of-way, they shall furnish reasonable security as to performance of their agreement if so required by said Company.
- 10.6 When the Company elects to construct mains beyond the limits of a public right of way, which are used or useful for the supply of gas to two or more customers at two or more premises, such mains shall be provided, placed, constructed, and maintained in accordance with the terms applicable to mains in public rights of way, stated in Section 10.1 and 10.3.
- 10.7 The Company shall be solely responsible for the maintenance and replacement of all facilities placed within a public or private right-of-way used by the Company for supplying gas to customers; and if adequate maintenance requires the reconstruction or replacement of such facilities, said facilities shall be reconstructed or replaced by the Company.
- 10.8 An applicant for service to be supplied from an existing extension shall comply with the terms and provisions affecting compensation for and supply of service which are applicable to other customers served from such extension.
- 10.9 Whenever a previously constructed main extension to which a surcharge is applicable is further extended, the initial and subsequent extension will be considered as a unit and the surcharge will be redetermined for all customers and will be made applicable to each customer unless by so doing the surcharge for any customer on the previously constructed extension is increased, in which case each further main extension will be considered as a separate extension.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/15/06

LEAF: 59
REVISION: 2
SUPERSEDING REVISION: 1

GENERAL INFORMATION

11. SERVICE LINES:

- 11.1 The location of the service line, the metering equipment and the service entrance shall be designated by the Company in accordance with accepted industry practices. The property owner or applicant and the Company may agree to locate the meter outdoors in an accessible location in accordance with industry practices at the point where the Company's obligation to construct the service line at no charge to the customer ends. The length of the gas service line shall be determined by measurement along the route of the service line from the center line of the public right-of-way (or the main if it is close to the customer and development will be limited to one side of the right-of-way for at least ten years) to:
- 11.1.1 The first accessible fitting inside the wall of a customer's building when the meter is located within the building; or
 - 11.1.2 The outlet of an outside meter when the piping continues into the structure above ground; or
 - 11.1.3 The point designated by the Company at the outside of the building foundation wall when the piping returns underground from an outside meter.
- 11.2 The Company shall, at Company expense, construct the minimum length of service line, as allowed in Rule 10.1, necessary to serve the customer as outlined in Rule 11.1.
- 11.3 The Company shall, at the expense of the property owner or applicant, construct that portion of the service line, which exceeds the portion that would be constructed by the Company at no charge, as defined in Rule 10.1, unless the customer elects to construct such excess portion in accordance with Rule 11.5. The expense to be paid by the property owner or applicant is further defined in Rules 11.3.1 through 11.3.5 below.
- 11.3.1 Subject to Rule 11.3.2 below, charges to the property owner or applicant for the excess portion of service line shall be the reasonable cost to the Company.
 - 11.3.2 Whenever the Company must construct that portion of the service line which exceeds the allowances provided in Rule 10.1, the costs to the customer of the excess portion will be reduced by the adjusted gas revenues not used in the justification of a main extension. This provision is not applicable to residential non-heating customers.
 - 11.3.3 Whenever, the property owner or applicant and the Company agree to locate the meter at other than the point designated by the Company, the Company will construct the entire service line up to the new meter location and the property owner or applicant will be responsible for all costs of construction for that portion of the service line that is greater than the footage comprising the service line originally designated by the Company (the "Customer Segment"). The costs for the Customer Segment of the service line will not be reduced by any adjusted gas revenues.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/15/06

LEAF: 59.1
REVISION: 3
SUPERSEDING REVISION: 2

GENERAL INFORMATION

11. SERVICE LINES: (continued)

- 11.3.4 Whenever the property owner or applicant wants the service line to enter the building foundation wall below grade or at a point other than that designated by the Company, the property owner or applicant will be responsible for constructing and paying for the segment of service line beyond the outlet of the meter. The Company will inspect and verify that the work has been completed in accordance with accepted industry practices.
- 11.3.5 Whenever the property owner or applicant and the Company agree to locate the meter outdoors in an accessible location in accordance with industry practices at the point where the Company's obligations to construct the service line at no charge to the customer ends, the property owner or applicant will be responsible for constructing and paying for the segment of the service line beyond the outlet of the meter and such segment of service line shall be owned by the customer. The Company will inspect and verify that the work has been completed in accordance with accepted industry practices.
- 11.4 Whenever the Company installs service lines, service connections or appurtenant facilities at the request of an applicant (property owner, occupant or customer), through which gas deliveries are not immediately taken, said applicant shall bear the entire reasonable expense of providing, placing and constructing such facilities. If the applicant takes service within one year of the date the gas service was available or the date the customer requested the gas service, whichever was later, the applicant shall be entitled to a refund. The refund will include a) the portion of the expense that the Company is required to provide without charge as set forth in Rule 10.1 and b) the portion of the expense justified by adjusted gas revenues as provided in Rule 11.3.2. The refund will be reduced for depreciation at the rate of 3% per annum.
- 11.5 The Company may, at its sole discretion, allow the customer to construct that portion of the service line, which exceeds the portion that would be constructed by the Company at no charge as defined in Rule 10.1. The customer must agree in writing to certain requirements with respect to such construction including the following requirements set forth in Rules 11.5.1 through 11.5.7 below:
- 11.5.1 Customer agrees to purchase materials and construct the service line in accordance with the written specifications provided by the Company. Customer will also provide written proof of qualification to join pipe when required by Company procedures.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/15/06

LEAF: 60
REVISION: 3
SUPERSEDING REVISION: 2

GENERAL INFORMATION

11. SERVICE LINES: (continued)

- 11.5.2 Company will determine the number of feet of service line to be installed by the Company at no charge in accordance with Rule 10.1 of this schedule.
- 11.5.3 Upon completion of the installation of the Company's portion of the service line as determined in Rule 11.5.2 above, the customer will install the customer portion of the service line to the building wall including the service riser, house bracket, and cap, all of which will be provided by the Company.
- 11.5.4 The Company will ensure by inspection, as necessary, that all construction and material specifications have been met by the customer and any deficiencies found on the portion of the service line constructed by the customer have been corrected by the customer before the customer's portion of the service line can be joined with the Company's portion and energized.
- 11.5.5 The Company will make the connection between the Company installed service line and the customer installed service line and perform any required tests needed to ensure the integrity of the entire service line.
- 11.5.6 The provisions set forth in 11.4 shall be applicable even if a portion of the service line was constructed by the customer.
- 11.5.7 Customer will convey title to the Company of any portion of the service line constructed by the customer for nominal consideration.
- 11.6 Once a service line has been activated, the Company shall maintain, replace, and reconstruct the service line which the Company installed or the customer has installed but is owned by the Company.
 - 11.6.1 When the customer has installed that portion of the service line from the outlet of the meter to the outside of the building foundation wall, the Company shall leak survey this portion of the service line and report deficiencies to the customer. When the deficiencies have been corrected by the customer, the Company will inspect and verify that the work has been completed in accordance with accepted industry practices.
- 11.7 Renewals of abandon service lines, or enlargements of existing service lines for the purpose of receiving additional service, shall be deemed new service lines and constructed in accordance with Rule 11.2.
- 11.8 The gas delivered to the customer shall be deemed to be in control and possession of the customer at the outlet fitting of the meter.
- 11.9 Whenever the customer constructs a portion of the service line, the customer will be responsible for any restoration associated with the customer installed portion of such service line.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/04

LEAF: 61
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

12. SERVICE EQUIPMENT:

- 12.1 Gas will be supplied to each building or premises through a single meter, except where, for reasons of Company economy, conditions on the Company's distribution system, improvements of service conditions, or volume of the customer's requirements, the Company elects to install more than one meter. The Company will furnish, install, connect and maintain such meter or meters as are necessary for metering gas for Company billing purposes. The Company shall also furnish and install, when deemed necessary by Company, the necessary regulating equipment to govern the pressure under which the gas is delivered. Customer shall provide a location on customer's premises suitable to Company for the installation of metering and regulating equipment, and shall be responsible for protection against theft, damage, or interference to Company's meters and to regulators or other equipment. If at any time after the installation of metering and regulating equipment conditions are changed so that their location becomes unsuitable, Company shall have right to move such equipment to a suitable new location at the expense of the customer or property owner. The cost of relocating metering or regulating equipment at the request of a property owner shall be borne by the property owner.
- 12.1.1 Meters installed in new residential dwelling units constructed after July 15, 1976, shall be installed outdoors in an accessible location whenever feasible.
- 12.1.2 The Company will require access to any meter, pursuant to Rule 8 and to the Transportation Corporations Law, in order to verify the accuracy of remote meter reading devices, dial card reading or telephone readings, at least once in every twelve month period. If the customer refuses this access, the Company may invoke the provisions as outlined in Rule 13.2.5.
- 12.2 Meters and gas pressure regulators furnished by the Company shall remain the property of Company and may be removed by Company at any time.
- 12.3 The Company will seal all meters before installation. Meter equipment shall be locked or service line plugged when service is shut off. No person, except a duly authorized employee of the Company, shall be permitted to break or replace a seal or lock, or to alter or change a meter or its connections or location, or to alter a gas pressure regulator.

13. METER READING:

13.1 Interim Estimated Billing:

- 13.1.1 The Company will ordinarily schedule meters to be read monthly (approximately (30) days) or bimonthly (approximately (60) days). The Company will render bills monthly. Eligible customers may be billed according to the Company's Budget Billing Plan as set forth in Rule 15.7.6 or where meters are scheduled to be read bimonthly according to the following interim estimated billing method.

Issued By: William F. Edwards, President, Syracuse, New York

Effective date postponed to 04/01/2004. See Supplement No. 1.

PSC NO: 219 GAS

LEAF: 62

NIAGARA MOHAWK POWER CORPORATION

REVISION: 7

INITIAL EFFECTIVE DATE: 05/01/19

SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with Order in Case 18-M-0679 dated April 22, 2019

GENERAL INFORMATION**13. METER READING: (continued)**

- 13.1.2 The consumption for the first month of the bimonthly period shall be based on the customer's previous usage, adjusted for weather conditions. The consumption for the second month of the bimonthly period shall be determined by subtracting the first month's estimated consumption from the total actual consumption of the bimonthly period as shown by the meter. The bill for each month shall be the result of applying to the consumption, determined as aforesaid, the applicable rates and charges contained in this Schedule.
- 13.1.3 In place of interim month estimated bills, the meter may be read by the customer and reported to the Company on or before the scheduled estimation date. If the reading is received by the Company on or before the scheduled estimation date, the bill will be computed using the customer reading instead of the estimate.
- 13.1.4 Customers may request that their meter be read on a date other than the Customer's regularly scheduled meter reading date. In cases where the customer has requested discontinuation of utility service, and has requested an actual meter read, the Company shall provide such a reading within 48 hours, provided that if circumstances beyond the control of the Company make an actual reading of the meter extremely difficult, the Company shall not be required to provide an actual meter reading. The fee for this service shall be \$20, exclusive of taxes. For customers with both gas and electric service from the Company at the same premise, the customer will only be assessed one \$20 fee. If the Customer has a meter that the Company can read without sending personnel to the Customer's premises (e.g., via advanced metering infrastructure), the Company shall not impose a meter reading fee for such customer.

13.2 Estimated Bills – Residential:

Should any meter or measuring device used under an agreement for service for any reason fail to register for any period of time the full usage of service by a customer, or if the actual usage of service cannot be obtained because of inability of Company to read a meter or measuring device on the scheduled read date, the usage of service by such customer may be estimated by Company on the basis of available data and the customer billed accordingly.

- 13.2.1 Estimated bills may be routinely sent to the customer for a period of four months.
- 13.2.2 If no actual reading is obtained after the aforementioned period, the Company shall take reasonable actions to obtain an actual meter reading. Such actions may include but are not limited to:
- 13.2.2.1 Making an appointment with the Access Controller for the reading at a time to include times other than during normal business hours; or
- 13.2.2.2 Offering the Access Controller the opportunity to phone in meter readings; or
- 13.2.2.3 Providing cards to the Access Controller on which he or she may record the reading and mail it to the Company.

Issued By: John Bruckner, President, Syracuse, New York

PSC NO: 219 GAS

LEAF: 62.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 05/01/19

SUPERSEDING REVISION: 0

STAMPS: Issued in compliance with Order in Case 18-M-0679 dated April 22, 2019

- 13.2.3 If no actual reading is obtained after bills representing six months of estimated bills have been rendered, the Company shall send a notice to the Access Controller, offering a special appointment for a meter reading both during and outside of business hours.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 10/01/17
STAMPS:

LEAF: 63
REVISION: 4
SUPERSEDING REVISION: 3

GENERAL INFORMATION

13. METER READING: (continued)

- 13.2.3.1 Where the customer resides in a multiple dwelling (as defined in the Multiple Dwelling Law or Multiple Residence Law), or in a two family dwelling that is known by the Company to contain residential units where service is provided through a single meter or meters, and the meter is not in the apartment, the notice shall be sent to the Access Controller or landlord.
- 13.2.3.2 If the Company's records do not contain the address of the Access Controller, the Company shall request that the customer furnish such information if available to him or her.
- 13.2.4 If the Company receives no response after bills representing eight months of estimated bills, the Company will send a notice advising the customer or Access Controller that if no appointment is made a charge of twenty-five dollars (\$25) will be added to the Access Controller's next bill and every bill thereafter until access is granted.
- 13.2.5 If the Access Controller fails to arrange an appointment in response to a second request and the Company is unable to obtain an actual meter reading, the Company may add a charge of twenty-five dollars (\$25) to the next bill of the Access Controller (Rule 13.2.4). If the Company intends to obtain a court order to gain access to the meter(s), it shall inform the customer and Access Controller by certified or registered letter. The letter shall inform the Access Controller that the purpose of obtaining such a court order is to replace a meter, or, if physically feasible, to relocate the meter or install a remote reading device(s). The letter shall state that the court costs and the costs of the meter relocation or the costs of the installation of remote metering devices will be paid by the Access Controller.
- 13.2.6 Rules 13.2.1 through 13.2.5 shall not apply to seasonal customers or short term customers taking service for 30 days or less. For such seasonal or short-term customers, an actual meter reading shall be taken upon termination of service.
- 13.2.7 Where the Company has submitted an estimated bill or bills to a residential customer and such estimate understates the actual amount of money owed by such customer for the period when estimated bills were received by more than 50 percent or one hundred dollars (\$100), whichever is greater, the Company shall notify the customer in writing that he or she has the right to pay the difference between the estimated charges and the actual charges in regular monthly installments over a reasonable period that shall not be less than three months.
- 13.2.8 The Company shall explain billing corrections to the customer and furnish the customer with the reasons for any billing cancellation and subsequent rebillings caused by estimated readings.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/04

LEAF: 64
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

13. METER READING: (continued)

13.3 Where the Company gains access to a gas meter through the use of a court order but cannot restore full service because the terms of the court order do not permit the Company access to all areas of the premises to re-light pilot lights, the Company shall lock the meter.

13.3.1 The Company may render a bill for previously unbilled service or adjust upward a bill previously rendered to a residential customer for a period up to and including twenty-four (24) months from the time the service to which the new billing or adjustment pertains.

13.3.2 The Company shall leave written notification informing the customer how service can be promptly restored. If the customer fails to contact the Company, the Company shall attempt to contract the customer, on no less than a weekly basis, until such service is restored. During the period November 1 to April 15 inclusive, no court order obtained under this section shall be enforced against any residential gas-heating customer.

13.4 Meter Reading and Estimated Bills - Non-Residential:

13.4.1 Meter Reading:

13.4.1.1 The Company will make a reading attempt to obtain an actual reading for every customer's account, on a regularly scheduled basis as provided for in the tariff.

13.4.1.2 A reading attempt requires that a meter reader visit the premises between 8:00 a.m. and 5:00 p.m. on a business day, and follow any routine access instructions.

13.4.1.3 When circumstances beyond the Company's control prevent the Company from making a regularly scheduled reading attempt and the two previous consecutive cycle bills were not based on an actual reading, the Company will make a second similar follow-up reading attempt as soon as possible within seven calendar days after the scheduled reading date.

13.4.1.4 Customer Readings - When the Company has billed a customer's account based on customer readings for six consecutive months, and did not obtain an actual reading at the time of the next regularly schedule for follow-up reading attempt thereafter, the Company will, within seven calendar days of the last attempt, either make another reading attempt or an appointment with the customer to read the meter.

13.4.1.5 Meter Reading Cards - Unless the customer does not have access to the meter or the customer is unable to obtain a reliable meter reading, the Company will, at the time of any unsuccessful reading attempt, leave at the premises or mail to the customer, a meter reading card.

Issued By: William F. Edwards, President, Syracuse, New York

Effective date postponed to 04/01/2004. See Supplement No. 1.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/04

LEAF: 65
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

13. METER READING: (continued)

13.4.2 Estimated Bills:

13.4.2.1 The Company may render an estimated bill for a regular cycle billing period only when:

- 13.4.2.1.1 The Company has failed to obtain access to the meter(s).
- 13.4.2.1.2 Circumstances beyond the control of the Company made obtaining an actual reading of the meter(s) extremely difficult, despite having access to the meter area. Estimated bills for this reason may be rendered no more than twice consecutively without the Company advising the customer in writing of the specific circumstances and the customer's obligation to have the circumstances corrected.
- 13.4.2.1.3 The Company has good cause for believing that an actual or customer reading obtained is likely to be erroneous. Estimated bills for this reason may be rendered no more than twice consecutively without the Company initiating corrective action before the rendering of the next cycle bill.
- 13.4.2.1.4 Circumstances beyond the control of the Company prevented the meter reader from making a premises visit.
- 13.4.2.1.5 An actual meter reading was lost or destroyed. An estimated bill for this reason may be rendered no more than once without the Company initiating corrective action before the rendering of the next cycle bill.
- 13.4.2.1.6 An estimated reading has been prescribed or authorized by the Commission for a particular billing cycle.
- 13.4.2.1.7 An estimated reading is the approved billed method in accordance with the Company's tariff for the billing.
- 13.4.2.1.8 An unmetered condition was in existence during the period.

13.4.2.2 Every estimated bill will be calculated in accordance with an established formula or methodology which will take into account the best available relevant factors for determining the customer's energy usage.

Issued By: William F. Edwards, President, Syracuse, New York

Effective date postponed to 04/01/2004. See Supplement No. 1.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 10/01/17
STAMPS:

LEAF: 66
REVISION: 2
SUPERSEDING REVISION: 1

GENERAL INFORMATION

13. METER READING: (continued)

13.4.3 No Access Procedure:

13.4.3.1 The Company will begin providing no access notices as described in this subdivision commencing with:

13.4.3.1.1 The fourth consecutive bill estimated pursuant to either subparagraph 13.4.2.1.1 or 13.4.2.1.2 of this Rule.

13.4.3.1.2 Remote registration device or customer reading - The tenth consecutive bill estimated pursuant to subparagraph 13.4.2.1.1 or 13.4.2.1.2 of this Rule or based on a remote registration device or a customer reading.

13.4.3.2 The no access notices and charges described in this subdivision shall be directed only to the Access Controller. In any case where the Access Controller is not the customer of the subject account, a copy of these no access notices shall also be sent to the customer at the same time.

13.4.3.3 The series of no access notices will be as follows:

13.4.3.3.1 First notice - The first notice will advise the Access Controller that unless access to the customer's meter is provided on the next meter reading date or a special appointment to read the meter is made and kept by the access controller prior to that date, a no access charge will be added to the Access Controller's next bill and to every bill thereafter until access to the customer's meter is provided, but that no charge will be imposed if an appointment is arranged and kept. The notice will advise the Access Controller that the Company will arrange a special appointment for a reading of the customer's meter if the Access Controller calls a specified telephone number. Where the Access Controller is not the customer of the subject account, the notice will begin by stating that the Company records indicate that the recipient is the party who controls access to the meter of the customer, specifically identified as to address, part supplied, and account number, and that the Company has not been provided access to the customer's meter as required.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 10/01/17
STAMPS:

LEAF: 67
REVISION: 2
SUPERSEDING REVISION: 1

GENERAL INFORMATION

13. METER READING: (continued)

13.4.3.3.2 Second notice - The second notice will advise the access controller of the no access charge that has been added to the Access Controller's bill and that unless access to the customer's meter is provided on the next meter reading date or a special appointment to read the meter is made and kept by the Access Controller prior to that date, another charge will be added to the Access Controller's next bill.

The notice will further explain that if the Access Controller's service can be physically terminated without obtaining access, steps to terminate service will follow and that in the event that the Access Controller's service cannot be physically terminated, steps to obtain a court order to gain access to the customer's meter will follow. The notice will advise the Access Controller that the Company will arrange a special appointment for a reading of the customer's meter if the Access Controller calls a specified number.

13.4.3.3.3 Third and each successive notice - The third and each successive notice will advise the Access Controller of the no access charge that has been added to the Access Controller's bill and, if the Access Controller's service can be terminated without obtaining access, will be accompanied by a final notice where the Access Controller's service cannot be physically terminated without obtaining access, the notice will advise the Access Controller that the Company is seeking to obtain a court order to gain access to the customer's meter.

13.4.3.4 A no access charge as provided for in this tariff shall not exceed \$100.

13.4.3.5 No more than \$100 per building or premises shall be added to any single bill of the Access Controller even though more than one meter may be located there.

13.4.3.6 The Company may, at its discretion, suspend temporarily the issuance of no access notices and/or penalties under this subdivision if the Access Controller contacts the Company and provides a legitimate reason for postponing the provision of access; provided, however, that such suspension may not be utilized for more than 90 calendar days.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 06/01/2014

LEAF: 68
REVISION: 2
SUPERSEDING REVISION: 1

GENERAL INFORMATION

13. METER READING: (continued)

13.5 Remote Metering:

13.5.1 "Approved Remote Meter," as used in this tariff, means a device which:

13.5.1.1 Measures and records gas usage;

13.5.1.2 Reports gas usage remotely, on demand;

13.5.1.3 Is approved for billing purposes by the New York Public Service Commission;

13.5.1.4 Can be accessed directly by Niagara Mohawk without requiring Niagara Mohawk to acquire special equipment;

13.5.1.5 Has been determined by Niagara Mohawk to be capable of reporting gas usage data in a format that is compatible with the Company's gas load management computer systems; and

13.5.1.6 Has telephone service that meets the requirements of paragraph 13.5.4 below.

13.5.2 Requirement. Customers must have Approved Remote Meters installed and operable as defined in the individual service classification and load aggregation sections of this tariff. Please see Rule 13.6 below.

13.5.3 Installation. Installation of an Approved Remote Meter involves site investigation and definition of installation specifications; acquisition of the meter; installation of the meter; provision of phone service and electric service (if required) to the meter; and synchronization of the meter with Niagara Mohawk gas load management computer system. Site investigation installation and synchronization will be performed by Niagara Mohawk. Provision of phone service and power to the meter are the sole responsibility of the customer. The full cost of the meter, installation, phone service to the meter, electric service to the meter, and synchronization will be borne by the customer. For that portion of the installation performed by Niagara Mohawk, the Company will provide the customer with an advance statement of the total cost to be billed.

13.5.3.1 Additional Installation Charges. When the Company is notified that the telephone and electric service (if applicable) has been installed and activated, the Company will go on site in order to activate the unit. If it is discovered by the Company that the unit is unable to be activated and synchronized because the phone or electric service (if applicable) is not activated, the Company will charge the customer \$115.00 for the site visit.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Effective date postponed to 07/01/2014. See Supplement No. 31.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 69
REVISION: 7
SUPERSEDING REVISION: 5

GENERAL INFORMATION

13. METER READING: (continued)

13.5.4 Telephone Service. Remote meters installed for customers with historic or anticipated peak hourly gas usage in excess of 15 dekatherms must be served by a separate, dedicated telephone line unshared with any other user, or a dedicated customer-owned cell phone acceptable to Niagara Mohawk may be used. All other remote meters may share telephone lines, provided that the shared line is open for polling of the meter between the hours of 10:00 a.m. and 5:00 p.m. daily. Reliable access to daily gas usage must be provided to the Company. If reliable access is not provided, a dedicated phone line will be required, or a dedicated customer-owned cell phone acceptable to Niagara Mohawk may be used. In areas where reliable cell-phone service is not available, as determined at the sole discretion of Niagara Mohawk, a dedicated telephone line will be required.

13.5.4.1 Additional Charges. In cases where the ARM fails to call into the Company, and the customer has notified the Company that the phone and electric service (if applicable) is operational, the Company will send a technician to the site to repair the unit. If it is discovered by the Company that the unit is unable to be repaired or synchronized because the phone or electric service (if applicable) is not active, the Company will charge the customer \$115.00 for the site visit. The first occurrence per customer of the \$115.00 charge will be waived. If the ARM after ten business days continues to fail to call into the Company, the Company will charge the customer \$115.00 per day until the ARM becomes operational. In the event the ARM does not call into the Company, the Company will make reasonable efforts to inform the customer and their Marketer of the applicable charge.

13.5.5 Maintenance and Replacement. Routine maintenance of Approved Remote Meters will be provided by Niagara Mohawk. Replacement of a meter that becomes inoperable or unreliable is the responsibility of the customer.

13.6 Residential Automatic Meter Reading (“AMR”) Opt-Out Option / Residential Advanced Metering Infrastructure (“AMI”)

13.6.1 Residential customers who do not wish to have an AMR/AMI meter installed at their premises, have an option to “opt-out” and have their AMR /AMI meter replaced with a non-AMR meter.

13.6.1.1 Customers who elect this option will be charged an initial fee for the removal of the existing AMR / AMI meter and the installation of the non-AMR / AMI meter. Additionally, by electing this option, the customers will be charged a monthly meter reading fee for the non-AMR / AMI meter.

13.6.1.1.1 The initial fee will be \$61.19 for a gas meter only replacement.

13.6.1.1.2 The initial fee will be \$89.03 for both an electric and gas meter replacement.

13.6.1.1.3. Customers will not be assessed the initial fee until the Company installs the non-AMR/AMI meter.

PSC NO: 219 GAS

LEAF: 69.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 1

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**13. METER READING: (continued)**

13.6.1.1.4 The Company will attempt an actual meter read every two months and issue an estimated bill for the interim months that are not read. The Company shall make a reasonable estimate of the consumption of gas during those months when the meter is not read. Such estimated bills shall be payable as rendered.

13.6.1.1.5 A monthly fee will be assessed of \$11.64 for a gas meter only reading and \$17.71 for the electric and gas meter reading which will cover the manual meter reading costs.

13.6.1.2 The above fees in Rule 13.6.1.1 will be applicable to gas meter only replacement and combined electric and gas meter replacement. For customers who wish to have their AMR/AMI electric meter only replaced, should refer to the Company's electric tariff for the electric AMR Opt-Out program and associated charges.

13.6.1.3 Customers that have a non-AMR/AMI meter, who decline installation of an AMR/AMI meter shall be considered to have elected to Opt-Out of AMR/AMI. Such customers will not be assessed the meter replacement fee in Rule 13.6.1.1 but will be assessed the meter reading fee in Rule 13.6.1.1.5.

13.6.1.4 Effective March 2015, customers for whom we made multiple efforts to retrofit the Company's meter with an Electronic Read Transfer, "ERT" or replace with an AMR meter will be considered "opted out" of the AMR program. The monthly meter reading fee will be assessed beginning July 2015.

13.6.2 Customers electing Rule 13.6 will be billed for charges applicable to the customer's otherwise applicable service classification plus the initial fee and the monthly charge described in Rule 13.6.1.1.

13.6.3 Any "opt-out" customer who wishes to have the AMR/AMI re-installed may be charged a "re-installation fee". The re-installation fee shall be equal to the initial fee of \$61.19 for a gas meter replacement only and \$89.03 for a combination electric and gas meter replacement. The re-installation fee will be charged for the removal of the non-AMR meter and the installation of the AMR meter.

13.6.3.1 Any customer electing Rule 13.6.3 will also no longer be assessed the special monthly meter reading fee once the AMR/AMI meter is installed.

13.6.4 Customers electing this Rule will be subject to all terms and conditions under Billing, Meter Reading, and Collections as contained in this tariff.

13.6.5 This program is only applicable to meters installed by the Company.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 06/01/14
STAMPS:

DRAFT

LEAF: 69.2
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

14. METER ADJUSTMENTS:

14.1 Pressure and Temperature:

14.1.1 Normal gas sales are at low pressure and at a normal temperature. High pressure sales will be adjusted by the use of a pressure-temperature volume correcting integrating device to an equivalent volume at a standard pressure of 14.73 pounds per square inch, absolute (30 inches of mercury) and a standard temperature of 60 degrees Fahrenheit.

14.2 Fixed Factor Adjustment:

14.2.1 For customers receiving gas at pressures higher than the normal delivery pressure prescribed in the various service classifications of this tariff schedule, the Company may use a fixed factor method of determining actual usage in lieu of the installation of pressure-temperature volume correcting integrating devices. The fixed factor method permits the application of Boyle's Law (volume correction for pressure) to the uncorrected registration of a gas meter which is being maintained at a constant pressure

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 70
 REVISION: 0
 SUPERSEDING REVISION:

GENERAL INFORMATION

14. METER ADJUSTMENTS: (continued)

- 14.2.2 In instances where the fixed factor method is used, the amount of gas determined from the meter reading shall be multiplied by a factor derived from the following formula:

$$\frac{(P_b + P_m) (F_{pv})^2}{P_B} = \text{Billing Multiplier}$$

where P_b is the average barometric pressure, calculated for the Company's service area, measured in pounds per square inch absolute

P_m is the delivery or metering pressure measured in pounds per square inch gauge,

P_B is the base pressure of 14.73 pounds per square inch absolute,

F_{pv} is the supercompressibility factor, based on 0.6 specific gravity hydrocarbon gas @ 60° F temperature.

- 14.2.3 Where the average barometric pressure varies by more than 0.10 pounds per square inch absolute within the Company's franchise system, the average barometric pressure for that geographic location shall be calculated based on that location's elevation above sea level.
- 14.2.4 At each installation where fixed factor billing is used:
- 14.2.4.1 The outlet set pressure to the customer's meter will be maintained under operating conditions at $\pm 1.0\%$ of the pressure absolute.
- 14.2.4.2 Each regulator shall be sealed in a manner that would indicate any unauthorized tampering with the outlet pressure adjustment screw.
- 14.2.4.3 All regulators and pressure compensating indexes used in fixed factor measurement shall be clearly identified.
- 14.2.5 The Company shall, at each location, provide a means of verifying the outlet set pressure initially and at periodic interval thereafter.
- 14.2.6 The Company shall maintain records of each fixed factor installation.
- 14.2.7 The Company shall maintain a file of regulator manufacturer's data sheets covering regulator(s) in fixed factor measurement service.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 71
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

14. METER ADJUSTMENTS: (continued)

14.2.8 No fixed factor installation shall be made where the resulting measurement error is fast, or more than 2% slow.

14.3 Btu Adjustment:

14.3.1 Btu Zones:

14.3.1.1 The Company's service area will be divided into Btu zones. The Btu value of gas deliveries within each zone will be relatively uniform.

14.3.2 Development of the Btu Conversion Factor Daily gas purchases in volumetric and Btu measurements from Company's supplier will be compiled for each Btu zone established. For the development of the conversion factor to change a customer's volumetric measurement to a Btu measurement, the daily volumes (Mcf) and Btu units (Dekatherm) delivered to the customer's Btu zone will be accumulated for the customer's billing period. The conversion factor shall be determined by dividing the total Dekatherms by the total Mcf received in the customer's Btu zone. The Btu measurements used for billing purposes will be on a dry basis.

14.3.3 Application of Conversion Factor for Billing. The customer's metered gas use in Ccf will be multiplied by the conversion factor to determine the customer's use in therms. The customer's bill will indicate the metered Ccf, the conversion factor and the number of therms.

15. BILLING AND COLLECTION:

15.1 Billing Period:

15.1.1 A month as defined in the respective service classification is any period consisting of not less than twenty-five (25) days nor more than thirty five (35) consecutive days and a bill for any shorter or longer period will be prorated on the basis of a thirty-day billing period except as hereinafter provided. However, when a customer discontinues service before the expiration of one (1) month, no proration under the price will be made.

15.1.2 Bills will be rendered monthly and may be delivered by depositing the same in a U.S. Post Office or in a box or chute provided for that purpose by the U.S. Post Office Department addressed to customer at the premises where service is taken or at another address designated by customer, or by leaving the same at the building where service is taken, or when posted electronically. Failure to receive such bill from the Company will not entitle the customer to any delay in the settlement of each month's account nor to any extension of the date after which a late payment charge may become applicable.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 82 of 328

PSC NO: 219 GAS

LEAF: 72

NIAGARA MOHAWK POWER CORPORATION

REVISION: 5

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 3

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION**15. BILLING AND COLLECTION: (continued)**

- 15.1.3 The date bills are rendered is the date bills are 1) personally served; or 2) three calendar days after the mailing of the bill; or 3) the date posted, if electronically provided.
- 15.1.4 Customers receiving bills produced and issued by the Company's Billing System may elect to receive and pay their bill electronically under the Company's Online Bill-Pay program. Under the Online Bill-Pay program, a bill shall be deemed rendered in accordance with Rule 15.1.3.
 - 15.1.4.1 Customers electing to receive their bills electronically in accordance with Rule 15.1.4 will receive a paperless billing credit of \$0.41 per service period.
- 15.2 Bills are due when rendered, in accordance with Rule 15.1.3. A customer is in default unless payment is made at or is mailed to a designated office or bill paying agency of the Company on or before the date specified on the bill. Payment under the Online Bill-Pay program shall be considered paid the date a customer submits a payment online unless the payment is made on a weekend, holiday or after 3:00 p.m., in which case the payment will be considered paid on the next business day. The date specified on the bill shall be at least twenty (20) calendar days subsequent to the date the bill is rendered. If payment is not made on or before the date specified on the bill, a late payment charge at the rate of one and one-half percent (1 ½%) per monthly billing period may be applied to all amounts previously billed under this tariff, except for state agencies, including arrears and unpaid late payment charges applied to previous bills. Payment must be made without regard to any counterclaims relating to matters other than for service rendered and failure to receive a bill does not relieve responsibility for payments of amounts due.
 - 15.2.1 Service to state agencies will be rendered in accordance with the provisions of Article XI-A of the State Finance Law (Chapter 153 of the Laws of 1984, effective July 1, 1984).
 - 15.2.2 The continuing late payment charge shall not be imposed on any bill that is the subject of a pending complaint before the Company or the Public Service Commission, provided, however, that a late payment charge may be imposed on the balance due where the final resolution of the complaint directs payment of the entire disputed amounts to the Company, and provided further that no such charges may be imposed for more than two months of the duration of the complaint unless authorized by the Commission or its designee.
 - 15.2.2.1 Late payment charges will be charged when the amount billed for non-residential service used that was previously unbilled because the service was being provided through tampered equipment and the Company can demonstrate either that the condition began since the customer initiated service or that the customer actually knew or reasonably should have known the original billing was incorrect.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 73
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

- 15.2.2.2 In the case of residential service, the Company may not impose a continuing late payment charge on an unpaid balance that has been restructured under a deferred payment agreement, if the regularly scheduled bill (current charges plus agreed upon installment amount) is paid within twenty (20) days of when the bill is rendered. The Company may, however, impose a late payment charge on monies still owing more than twenty (20) days after the Company has rendered a bill for payment of both the agreed upon installment amount and any applicable current charges.
- 15.2.3 Other charges. Except as provided in Rule 15.2, a late payment charge, penalty, fee, interest or other charge of any kind shall not be imposed on any residential customer for any late payment, collection effort, service termination or deferred payment agreement occasioned by the customer's failure to make timely payment for services. The Company may impose a charge pursuant to this tariff for other lawful purposes.
- 15.2.4 Except as provided in Rule 15.2, the Company may not impose on a non-residential customer a late payment charge, penalty, fee, interest or other charge of any kind for any late payment or deferred payment agreement occasioned by the customer's failure to make timely payment of services. The Company may impose on non-residential customers a reasonable charge for dishonored checks, reconnection of service, failure to provide access and court costs.
- 15.2.5 The Company shall offer residential customers on fixed incomes the opportunity to pay their bills on a reasonable schedule that is adjusted for such customer's periodic receipt of income without incurring late payment charges, provided, however, that any such offer may prescribe a late payment charge, consistent with the standards set forth in Rule 15.2 where payment is not made within twenty (20) days of the adjusted date shown on the bill.
- 15.2.6 The Company may impose a continuing late payment charge on the balance due under a non-residential, deferred payment agreement, offered pursuant to the Rules and Regulations of Part 13, 16 NYCRR. See Rule 15.8 for additional information regarding late payment charges on non-residential deferred payment agreements.
- 15.2.7 The Company may impose a continuing late payment charge on an amount billed for service used, that was provided through tampered equipment and previously unbilled, if the Company can demonstrate either that the condition began since the customer initiated service or that the customer knew or reasonably should have known that the original billing was incorrect.
- 15.2.8 The Company may impose a handling charge of \$10.00 on any negotiable instrument from an applicant or customer which was rendered to the Company as payment of any bill, charge or deposit due, returned as dishonored or uncollectible for any reason. This charge shall include any amount the Company is required to pay its bank for handling said instrument.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 74
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

- 15.3 The customer shall be obligated to pay for all service to premises until final reading of the meter if such reading be taken not later than forty-eight hours after proper notice has been received by Company to discontinue service. In the event that a customer is a tenant in a multiple occupancy building, the customer will be obligated to pay only for service supplied for his use or for service for which he has agreed to pay.
- 15.4 Shared Meter Regulations:
- 15.4.1 "In accordance with 16 NYCRR Sections 11.30 through 11.39, and Section 52 of the Public Service Law, when a tenant's service meter also registers utility service use outside the tenant's dwelling, the tenant is not required to pay the charges for that service. The Company will establish an account in the owner's name for all service registered on the shared meter after that date and will rebill for past service in accordance with 16 NYCRR Part 11.34. A customer may request a copy of the entire rules governing shared meters from the Company's office."
- 15.5 Revision to Company's Rate Schedules:
- 15.5.1 In the event of changes or revisions of Company's schedules, customer shall take and pay for service in accordance with the provisions of the revised or superseding schedule. Unless otherwise expressly provided for whenever a rate change becomes effective during a billing period, other than on regularly scheduled meter reading dates, charges to customer for that billing period will be calculated as a weighted composite of the old and new rate as follows.
- 15.5.2 Proration factors will be computed for both the new rate and the old rate by dividing the number of days in which the rates are in effect by the total billing days.
- 15.5.3 The old and new rates shall be multiplied by their respective proration factors and added to determine the composite rate.
- 15.5.4 The composite rates are then multiplied by their respective pricing units.
- 15.5.5 The charge to the customer will be the sum of all charges calculated in the preceding Rule 15.5.4.
- 15.6 The following notices will be sent to all non-residential customers. For customers electing the Online Bill-Pay program, notice 15.6.1 will be made available as a link on the electronic bill or via links to the Company's website.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 75
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

- 15.6.1 A brochure containing a detailed summary of their rights and obligations, and a notice to include: description of the commonly used non-residential service classifications and their rates, offer of written guidelines regarding eligibility requirements for the Company's service classifications, notice that the Company's tariff is available for review in every Company business office and notice that some non-residential customers may be eligible for protection under Part 11, 16 NYCRR, shall be provided annually to every non-residential customer of the Company.
- 15.6.2 An accounting for the deposit held on an account showing the interest earned during the current year and either the date the deposit was obtained or the length of time that the deposit has been held shall be provided annually to every non-residential customer having a deposit with the Company.
- 15.6.3 A notice advising the customer of any change made in the customer's service classification and the reason for the change shall be provided to the customer at the time of the change.
- 15.6.4 A notice advising a customer whether the Company records show that the customer, or some other party, has control over access to the meter, that the customer has an obligation to tell the Company who controls access, and that if the Company records that show the customer has access are not corrected, the customer may be subject to further notices and penalties due to the Company's failure to obtain access, shall be provided to every customer at the time a second consecutive estimated bill is rendered.
- 15.7 Contents of Bill – Non-Residential Customers:
 - 15.7.1 Generally:
 - 15.7.1.1 Only service(s) performed, materials furnished or other charges made by the Company, in accordance with the filed tariff, will be included and shall be itemized on the customer bill form.
 - 15.7.1.2 The Company may provide pertinent messages and information on the bill, provided such information does not interfere with the presentation of the information required by this section.
 - 15.7.2 All Bills:
 - Every customer bill will state on the portion retained by the customer:
 - 15.7.2.1 The Company name.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 76
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

15.7.2.2 The location of the Company's principal office and one or more business offices at which the bill may be paid, and a statement that bills may be paid at other authorized offices.

15.7.2.3 The service classification(s) on which the charges are based.

15.7.2.4 The name of the customer, the account or meter number, and the address and location of the premises where the service was supplied.

15.7.2.5 The start and end date of the billing period.

15.7.2.6 The quantity of service billed, the unit of measurement used, an explanation of any calculations or factors used to determine the cost of service, a description and the cost of any other tariff charges, and the total of the current charges.

15.7.2.7 The date payment is due; provided, however, that such date does not occur before personal service of the bill or three calendar days after the mailing of the bill. A phrase indicating that a bill is due upon receipt may be used in lieu of a specific date.

15.7.2.8 Whether any charge may be imposed for late payment and the date which payment must be received in order to avoid the imposition of the late payment charge.

15.7.2.9 An explanation of any abbreviation or symbol used that is not in common English usage.

15.7.2.10A telephone number to call at the Company if the customer has any questions about the bill.

15.7.3 Cycle Bills:

15.7.3.1 Every customer bill issued on a regular cycle basis will contain, in addition to the items required under Rule 15.7.2 of this section:

15.7.3.1.1 The date of the latest payment received or the date through which any payments have been credited and the debit or credit balance of the prior bill, if any.

15.7.3.1.2 The amount of any late payment charge applied during the current billing cycle.

15.7.3.1.3 The next scheduled meter reading date.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 77
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

15.7.4 Metered Service Bills:

15.7.4.1 In addition to the items required under Rule 15.7.2 of this section every customer bill for metered service will contain the following for every cumulative energy meter:

- 15.7.4.1.1 The meter readings being used to calculate the bill.
- 15.7.4.1.2 Whether they are based on an actual reading of the meter, a remote register, a customer provided reading, or are estimated.
- 15.7.4.1.3 If estimated, the reason therefore.
- 15.7.4.1.4 The meter multiplier or constant.

15.7.5 Unmetered Service Bills:

15.7.5.1 In addition to the items required under Rule 15.7.2 of this section, every customer bill for unmetered service, whether the use of such service was authorized or unauthorized by the Company, will contain the following:

- 15.7.5.1.1 A clear statement that the bill is for an estimated amount of service utilized but not metered.
- 15.7.5.1.2 The per day or other basis used for calculating the amount of service bill.

15.7.6 Budget Bills:

15.7.6.1 Customers who currently receive firm sales or transportation service and are in good standing, have the option with the consent of the Company of paying for service under the Company's Monthly Budget Payment Plan. The plan covers up to twelve months billing and can be started with the next billing for the batch in which the meter(s) is read. The initial budget amount is based on the preceding year's charges divided by twelve.

15.7.6.2 Non-Residential Customer Eligibility – The Company is required to offer a budget payment plan to all non-residential customers except:

- 15.7.6.2.1 Customers who have less than 12 months of billing history at the premises;
- 15.7.6.2.2 Seasonal, short-term or temporary customers;

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 78
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

- 15.7.6.2.3 Customers who have arrears;
 - 15.7.6.2.4 Interruptible, temperature-controlled, dual-fuel customers;
 - 15.7.6.2.5 Customers who, for any reason, ceased being billed on a previous budget plan before the end of the plan year in the past 24 months; or
 - 15.7.6.2.6 Customers whose pattern of consumption is not sufficiently predictable to be estimated on an annual basis with any reasonable degree of certainty.
- 15.7.6.3 Company Procedure – The Company has established a written procedure and billing system to implement these rules, which procedure:
- 15.7.6.3.1 Sets forth the method for establishing an eligible customer's monthly budget payment amount which is based on the sum of historic annual charges plus the customer's deferred balance divided by twelve (12).
 - 15.7.6.3.2 Sets forth the method for comparing the actual cost of service rendered, as determined by actual meter readings, to the budget amount, and for adjusting upwards or downwards the budget payment amount to minimize the adjustment required on the final settlement bill. The budget payment amount can be further adjusted to reflect known or anticipated changes. This comparison shall normally be done quarterly; however, the Company may conduct budget reviews at its sole discretion.
 - 15.7.6.3.3 Provides that during the month of the scheduled settlement, the difference between the cost of service actually used and the amount paid during the plan period (deferred balance) will be rolled over into the next plan year or will be settled at the customer's option.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 79
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

15.7.6.4 Budget bills are due and payable. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 ½%) pursuant to Rule 15.2. If customer fails to pay the monthly Budget Amount or upon discontinuance of service, the Monthly Budget Payment Plan will be canceled and any deficiency shall be due and payable at once, including any late payment charges assessed. Any overpayment shall be credited to the customer's account. The customer can cancel the plan at any time effective with her next regularly scheduled billing.

15.7.6.5 Removal from Budget Plan:

- 15.7.6.5.1 A customer may request that the Company remove the customer from the budget plan and reinstate billing at any time, in which case the Company may immediately render a final budget settlement bill, and shall do so no later than by the time of the next cycle bill that is rendered more than 10 business days after the request.
- 15.7.6.5.2 The Company may remove a customer from the budget plan if the customer becomes ineligible under Rule 15.7.6.2 of this section.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 80
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

15.7.6.5.3 If the customer becomes delinquent for the first time in any twelve-month period, the Company will provide the customer with the opportunity to become current in payment prior to cancellation from the budget plan. The second, or subsequent, time delinquency occurs in any twelve month period, the Company shall cancel the budget plan and any deficiency shall be due and payable at once, including any late payment charges assessed.

15.7.6.5.4 If the customer has an active payment arrangement with the Company and defaults on the payment arrangement, both the budget and payment arrangement will be automatically canceled on the first month of the delinquency.

15.7.6.6 Quarterly Payment Plan - Effective November 29, 1985, as required by Public Service Law S38, the Company shall offer any residential customer, 62 years of age or older, a plan for payment on a quarterly basis of charges for service rendered, provided that such customer's average annual billing is not more than \$150.

15.8 Deferred Payment Agreements for Non-Residential Customers:

15.8.1 The Company will provide a written notice offering a deferred payment agreement in the following circumstances:

15.8.1.1 Not less than five calendar days before the date of the scheduled termination of service for nonpayment of arrears, as indicated on a final termination notice, or eight calendar days if mailed, provided the customer has been a customer for at least six months and the arrears on which the outstanding termination notice is based exceeds two months average billing.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 81
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

- 15.8.1.2 When it renders a backbill which exceeds the cost of twice the customer's average monthly usage or \$100, whichever is greater; provided, however, that the Company shall not be required to offer an agreement when the customer knew, or reasonably should have known, that the original billing was incorrect.
- 15.8.2 If the Company and the customer agree to terms of a deferred payment agreement in a telephone conversation, the Company shall send the customer two fully completed copies of the agreement, signed by Company, for the customer to sign and return.
- 15.8.3 Any non-residential customer is eligible for a deferred payment agreement except the following:
 - 15.8.3.1 A customer who owes amounts under a prior deferred payment agreement.
 - 15.8.3.2 A customer who failed to make timely payments under a prior deferred payment agreement in effect during the previous 12 months.
 - 15.8.3.3 A customer that is a publicly held company, or a subsidiary thereof.
 - 15.8.3.4 A seasonal, short term or temporary customer.
 - 15.8.3.5 A gas customer who, during the previous 12 months, had a combined total consumption for all its accounts with the Company in excess of 4,000 Therms.
 - 15.8.3.6 A customer who the Company can demonstrate has the resources to pay the bill, provided that the Company notifies the customer of its reasons and of the customer's right to contest this determination through the Commission's complaint procedures.
- 15.8.4 The Commission or its authorized designee may order the Company to offer a deferred payment agreement to a customer whom it finds these rules are intended to protect, when an agreement is necessary for a fair and equitable resolution of an individual complaint.
- 15.8.5 Every offer of a deferred payment agreement shall inform the customer of the availability of a deferred payment agreement for eligible customers, set forth generally the minimum terms to which such customer may be entitled, explain that more generous terms may be possible and specify the telephone number and the times the customer may call the Company to discuss the possibility of entering into a deferred payment agreement.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 82
REVISION: 1
SUPERSEDING REVISION: 0

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

- 15.8.6 Every offer of a deferred payment agreement shall state the date by which the customer must contact the Company in order to avoid termination of service. Additionally, the offer must clearly explain that the Company has the right to a larger down payment, if the deferred payment agreement is not entered into until a field visit to physically terminate service has been made.
- 15.8.7 The Company will not be required to enter into a deferred payment agreement with a customer who has received the Company's offer pursuant to Rule 15.8.1.1, if the customer does not pay the required down payment. The amount of a down payment to which the Company is entitled will be determined as follows:
- 15.8.7.1 Up to 30 percent of the arrears on which an outstanding termination notice is based, or the cost of twice the customer's average monthly usage, whichever is greater, plus the full amount of any charges billed after the issuance of the termination notice which are in arrears at the time the agreement is entered into, may be required by the Company if the agreement is entered into prior to a field visit to physically terminate service.
- 15.8.7.2 Up to 50 percent of the arrears on which an outstanding termination notice is based, or the cost of four times the customer's average monthly usage, whichever is greater, plus the full amount of any charges billed after the issuance of the termination notice which are in arrears at the time the agreement is entered into, may be required by the Company if the agreement is entered into either at the time of, or after, a field visit to physically terminate service.
- 15.8.7.3 Any amount, lesser or greater, that is mutually agreeable to both Company and customer.
- 15.8.8 A deferred payment agreement will obligate the customer to the following:
- 15.8.8.1 Make timely payment of all current charges.
- 15.8.8.2 Make the required down payment pursuant to Rule 15.8.7.
- 15.8.8.3 To pay the balance in monthly installments of up to the cost of the customer's average monthly usage or one-sixth of the balance, whichever is greater.
- 15.8.8.4 To pay any applicable late payment charges during the period of time the agreement covers, if so stipulated pursuant to Rule 15.8.10.3.
- 15.8.8.5 To pay a security deposit in three installments, 50 percent down and two monthly payments which total the remaining 50 percent of the deposit amount provided that the deposit has been previously requested.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 83
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

- 15.8.9 A deferred payment agreement entered into by the Company and the customer pursuant to Rule 15.8.1.2, will obligate the customer to pay the outstanding charges in monthly installments of up to the cost of one-half of the customer's average monthly usage or one-twenty-fourth of such charges, whichever is greater.
- 15.8.10 A deferred payment agreement form shall:
- 15.8.10.1 Set forth in general terms of the agreement.
 - 15.8.10.2 Indicate the due date for each installment, and the exact dollar amount of each installment, separately itemized to show the arrears payment, and the security deposit payment, as applicable.
 - 15.8.10.3 Indicate whether the agreement is subject to late payment charges, and if so, either set forth the exact dollar amount of the late payment charge to be paid with each installment or, if late payment charges are to be billed on the customer's regular cycle bill, a late payment charge disclosure statement. The disclosure statement shall include the late payment charge rate, on both a monthly and annualized basis, how it is calculated, how and when the late payment charges will be billed, what the total cost of the late payment charges on the agreement will be if the agreement is fully complied with, and a notice that the total late payment charges may be greater or less than the disclosed cost if the customer makes payments either early or late.
 - 15.8.10.4 State the date by which the copy signed by the customer, and any applicable down payment, must be received by the Company in order to become enforceable; provided, however, that such date may not be less than six business days after it is sent.
 - 15.8.10.5 Inform the customer of the Company's policy if the agreement is not signed and returned as required.
 - 15.8.10.6 State that if the customer fails to comply with an agreement, the Company may send an immediate termination notice.
 - 15.8.10.7 State that the customer may obtain the assistance of the Commission to assure that the agreement is in conformance with Rule 15.8.
- 15.8.11 The first time a customer fails to make timely payment in accordance with a deferred payment agreement, the Company shall give the customer a reasonable opportunity to keep the agreement in force by paying any amounts due under the agreement.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 84
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

15.8.12 Except as provided in Rule 15.8.11, if a customer fails to comply with the terms of a deferred payment agreement, the Company may demand full payment of the total outstanding charges and send a final termination notice.

15.9 Backbilling Non-Residential Accounts:

15.9.1 Notice to Customer of Backbilling:

15.9.1.1 Every backbill shall contain a written explanation of the reason for the backbill that shall be sufficiently detailed to apprise the customer of the circumstances, error or condition that caused the underbilling, and, if the backbill covers more than a 24 month period, a statement setting forth the reason(s) the utility did not limit the backbill pursuant to Rule 15.9.3.

15.9.1.2 Every backbill shall contain, or be accompanied by, all applicable information required by Rule 15.7.

15.9.1.3 Every backbill covering more than a one-month period, other than a catch-up backbill, shall contain a notice that the customer may obtain upon request a detailed billing statement showing how the charges were calculated, including any late payment charges. All catch-up backbills shall clearly indicate how the backbill was calculated, whether as if the service were used during the current cycle, or as if redistributed back to the last actual reading.

15.9.1.4 A backbill shall be accompanied by an offer of a deferred payment agreement pursuant to Rule 15.8, if applicable.

15.9.2 Limitations on Backbill Rendering:

15.9.2.1 The Company shall not render a backbill more than six months after the Company became aware of the circumstances, error or condition that caused the underbilling, unless a court extends the time to render a backbill.

15.9.2.2 The Company shall not upwardly revise a backbill unless the first backbill explicitly stated that the Company reserved the right to do so. The revised backbill is rendered within twelve months after the Company actually became aware of the circumstance, error or condition that caused the underbilling, and either the customer knew or reasonably should have known that the original billing or first backbilling was incorrect, or, new information shows that the first backbill was incorrect.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 85
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

15.9.2.3 The Company shall render a downwardly revised backbill as soon as reasonably possible and within two months after the Company becomes aware that the first backbill was excessive.

15.9.2.4 The Company shall not render a backbill for any underbilling when the reason for the underbilling is apparent from the customer's service application, or could have been revealed in a service application and the Company failed to obtain and/or retain such application.

15.9.3 Limitations on Backbilling Period:

15.9.3.1 When the failure to bill at an earlier time was due to utility deficiency, the Company shall not bill a customer for service rendered more than 12 months before the Company actually became aware of the circumstance, error, or condition that caused the underbilling, unless the Company can demonstrate that the customer knew or reasonably should have known that the original billing was incorrect.

15.9.3.2 The Company shall not bill a customer for service rendered more than 24 months before the Company actually became aware of the circumstance, error, or condition that caused the underbilling, unless the Company can demonstrate that the customer knew or reasonably should have known that the original billing was incorrect.

15.10 Deferred Payment Agreements for Residential Customers:

15.10.1 Company Obligations:

15.10.1.1 Generally the Company will offer any eligible residential customer or applicant a Deferred Payment Agreement with specific terms as required by 11.10 of 16 NYCRR which sets forth in detail the procedures summarized here. The agreement offer will be made in duplicate on the form set forth beginning on Leaf No. 254 of this tariff.

15.10.2 Eligibility:

15.10.2.1 All residential customers and applicants are eligible for an agreement, unless; the customer has broken an existing payment agreement which required payment over a period at least as long as the Standard Agreement described in Rule 15.10.5.2, or, the Public Service Commission determines that the customer or applicant is ineligible because he or she has the resources to pay the bill.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 86
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

15.10.2.2 If the Company has reason to believe that the customer or applicant may not be eligible for a Deferred Payment Agreement, it must submit a denial form, clearly stating its reasons, to the Commission for a determination of eligibility. A copy of the denial form must be provided to the customer or applicant. While the Company is waiting for the Commission determination, the Company must postpone any termination of service activity, restore service or provide service, as applicable, as long as the customer or applicant pays current bills, and a down payment and monthly installments consistent with the terms of the Standard Agreement, described in Rule 15.10.5.2 of this Tariff.

15.10.3 Written Offer of a Deferred Payment Agreement:

15.10.3.1 A specific written offer will be made to eligible customers not less than seven calendar days (ten if mailed) before the earliest date that service may be terminated. A written offer is also required where payment of outstanding charges is a requirement for reconnection of service or acceptance of an application for service, and when a customer has broken an agreement that was for a shorter period of time than the Standard Agreement.

15.10.4 Negotiating Agreements:

15.10.4.1 Before making a written offer, the Company will make a reasonable effort to contact eligible customers or applicants in order to negotiate agreement terms that are fair and equitable considering the customer's financial circumstances. The Company may, at its discretion, require the customer or applicant to complete a form showing his or her assets, income and expenses and provide reasonable substantiation of such information. If the Company requires this type of information from the customer or applicant, it is the Company's responsibility to treat all such information confidentially.

15.10.4.2 To allow enough time to properly negotiate an agreement with the customer or applicant, the Company may postpone a scheduled service shut-off for up to ten (10) days.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 87
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

15.10.5 Payment Agreement Terms:

15.10.5.1 Mutually acceptable terms. A Deferred Payment Agreement may contain any specific terms that have been negotiated in good faith by the Company and the customer or applicant.

15.10.5.2 The Standard Agreement. Where the Company has been unable to contact the customer or applicant to negotiate specific terms, or where negotiations have failed to produce mutually acceptable terms, the Company may offer a specific agreement based on the following terms:

15.10.5.2.1 A down payment up to 15 percent of the amount covered by the payment agreement or the cost of one-half of one month's average usage, whichever is greater, or if the amount covered by the agreement is less than one-half of one month's average usage, 50 percent of the total amount covered by the payment agreement.

15.10.5.2.2 Monthly installments up to the cost of one-half of one month's average usage, or, one-tenth of the balance, whichever is greater.

15.10.6 Entering into the Agreement:

15.10.6.1 A copy of the written payment agreement offer must be signed by the customer or applicant and returned to the Company in order to become valid and enforceable. In the case of customers who are subject to a final notice of termination, the signed agreement must be received by the Company by the day before the earliest day on which termination may occur, in order to avoid termination of service. If the signed agreement is not received as required, the Company may take steps to shut-off service.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 88
REVISION: 4
SUPERSEDING REVISION: 2

GENERAL INFORMATION

15. BILLING AND COLLECTION: (continued)

15.10.7 Renegotiating Agreements:

15.10.7.1 If a customer or applicant can demonstrate that his or her financial circumstances have changed significantly because of conditions beyond his or her control, the Company will amend the terms of the agreement to reflect such changes.

15.10.8 Broken Agreements:

15.10.8.1 If a customer fails to make timely payment in accordance with the terms of a payment agreement, the Company will send a reminder notice before issuing a final notice of termination. If the customer fails to pay by the 20th day after payment was due and has not negotiated a new agreement, the Company may demand full payment of the total outstanding charges and issue a final termination notice in accordance with 16 NYCRR 11.4 and 11.10 and Rule 9.1.

16. SPECIAL SERVICES PERFORMED BY COMPANY FOR CUSTOMER AT A CHARGE:

- 16.1 Whenever, at a customer's or applicant's request, Company relocates equipment or facilities to suit the convenience of customer or applicant, customer or applicant shall reimburse Company the cost incurred by Company.
- 16.2 Whenever, at customer's request, Company provides construction, operation, and maintenance services to customer-owned facilities, customer shall reimburse Company for the fully loaded cost incurred by the Company. Revenues resulting from the services provided under this Rule 16.2 will accrue to the benefit of ratepayers. Any services provided by the Company under this Rule 16.2 will be subject to the following conditions:

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 89
REVISION: 2
SUPERSEDING REVISION: 0

GENERAL INFORMATION

16. SPECIAL SERVICES PERFORMED BY COMPANY FOR CUSTOMER AT A CHARGE: (continued)

- 16.2.1 The Company's provision of services under this Rule 16.2 shall not impose a cost on its ratepayers or adversely impact the Company's provision of safe and adequate service.
 - 16.2.2 The Company shall provides services under this Rule 16.2 on a first-come, first-serve basis on non-discriminatory terms and conditions, resulting in similarly situated customers being charged the same rates.
 - 16.2.3 The Company shall make customers aware if there are other entities that may be able to provide the service requested.
 - 16.2.4 The Company will not provide or offer to provide services under this Rule 16.2 that are ordinarily provided by Marketers such as energy audits, energy efficiency equipment, etc. without prior P.S.C. approval.
 - 16.2.5 The Company will not hire any additional employees or purchase additional equipment in order to provide services under this Rule 16.2.
 - 16.2.6 The Company shall maintain records relative to all such services under this Rule 16.2 including scope of work, costs incurred, and revenues received, and shall put appropriate policies and procedures in place to ensure these restrictions are followed.
- 16.3 Customer Requested Demand Pulses:
- 16.3.1 A customer may request the Company to provide demand pulse capability, including the necessary equipment associated to provide such capability.
 - 16.3.1.1 Customers requesting demand pulses are responsible for installing a separate telephone line to interface with any customer-owned data collection system. The customer is also responsible for the maintenance and billing related to any required telephone lines needed for the customer to collect data.
 - 16.3.1.2 The Company will identify and provide an interface box location which will be the point of demarcation between the Company and the customer. The customer will provide telephone service to this location.
 - 16.3.1.3 In cases where the customer is unable to read the meter through a customer-provided telephone line, and the Company has determined that the problem is not caused by the Company's meter or equipment, the customer will be responsible to resolve the communications problem with its telephone provider and will be charged \$115 for the site visit. The first occurrence per customer of the \$115 charge will be waived.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 100 of 328

PSC NO: 219 GAS

LEAF: 90

NIAGARA MOHAWK POWER CORPORATION

REVISION: 9

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**16. SPECIAL SERVICES PERFORMED BY COMPANY FOR CUSTOMER AT A CHARGE:
(continued)**

- 16.3.2 The customer shall reimburse the Company the actual reasonable cost of providing demand pulse capability, including the cost of any required hardware and/or labor.
- 16.3.3 In accordance with Rule 16.3.1, the customer will be charged the Company's cost to remove or relocate any existing Company-supplied metering or other equipment that is necessary to accommodate the installation of demand pulse capability.
- 16.3.4 Except as otherwise provided in this Tariff, the Company will have sole responsibility for the installation, maintenance, testing, and removal of all customer-requested demand pulse capability owned by the Company.
 - 16.3.4.1 As provided for in Rule 16.3.2, the customer will be responsible for all costs incurred by the Company in the installation, operation and maintenance of any customer requested demand pulse capability.
 - 16.3.4.2 Except as otherwise provided in this Tariff, the Company will have sole control of all customer-requested demand pulse capability.
 - 16.3.4.3 Consumption data provided by demand pulses is raw data and is not equivalent to billing consumption, which is adjusted by the appropriate BTU zone factor.

17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS:

- 17.1 Lost and Unaccounted for Gas ("LAUF") and Factor of Adjustment
 - 17.1.1 Effective September 1, 2018
 - 17.1.1.1 The Factor of Adjustment is set at 1.01539.
 - 17.1.1.2 The LAUF Target is set at 1.516%.
 - 17.1.1.3 The Dead Band Upper Limit is set at 2.516%.
 - 17.1.1.4 The Dead Band Lower Limit is set at 0.516%.
 - 17.1.2 Effective September 1, 2022
 - 17.1.2.1 The Factor of Adjustment is set at 1.01700 and is computed as constant 1.0 divided by 1.0 minus LAUF.
 - 17.1.2.2 The LAUF Target is set at 1.672%.
 - 17.1.2.3 The Dead Band Upper Limit is set at 2.672%.
 - 17.1.2.4 The Dead Band Lower Limit is set at 0.672%.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 101 of 328

PSC NO: 219 GAS

LEAF: 90.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 5

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 3

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)**

17.1.5 LAUF Adjustment

17.1.5.1 The LAUF Adjustment is applied to the Annual Cost of Gas Surcharge or Refund for the SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers per Rule 17.7 as : 1) a credit if actual system LAUF percentage exceeds the LAUF Target or 2) a surcharge if actual system LAUF percentage is less than the LAUF Target.

17.1.5.2 The LAUF Adjustment is determined each 12-month period ending August 31st by: 1) subtracting the actual system LAUF percentage from the LAUF Target and then multiplying that percentage difference by: 2) the average per therm commodity cost of gas determined per Rule 17.1.5.3 by; 3) the metered sales of SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers and SC Nos. 1MB, 2MB, 5, 7, 8, 12 MB, 12DB and 13MB transportation customers.

17.1.5.3 The average per therm commodity cost of gas is determined by taking: 1) the allowed gas expense determined per Rule 17.7.1.1 and subtracting; 2) the Demand Cost of Purchased Gas per Rule 17.3.6; and dividing the difference by; 3) the metered sales of SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers. Carrying charges for the annual LAUF reconciliation will be calculated at the other customer capital rate.

17.1.6 System Performance Adjustment (SPA)

17.1.6.1 A SPA per therm rate will be applicable to the SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers and the SC Nos. 1MB, 2MB, 5, 7, 8, 12MB, 12DB and 13MB transportation customers. The SPA per therm rate will be a credit if the actual system LAUF percentage is less than the LAUF Target or a surcharge if the actual system LAUF percentage exceeds the LAUF Target during the 12-month period ending the previous August.

17.1.6.2 The Total SPA Amount will be determined each 12-month period ending August 31st by multiplying: 1) the average per therm commodity cost of gas determined per Rule 17.1.5.3 by; 2) the metered sales of SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers and SC Nos. 1MB, 2MB, 5, 7, 8, 12 MB, 12DB and 13MB transportation customers by; 3) the percentage difference determined by:

17.1.6.2.1 Subtracting the LAUF Target from actual system LAUF if actual system LAUF is within the Dead Band Upper Limit and Dead Band Lower Limit.

17.1.7 Inactive Accounts Adjustment

Beginning September 1, 2018, Niagara Mohawk will remove from the LAUF calculation an estimate of gas usage associated with meters that have been "inactive" for more than 90 days. Inactive meters are those that are not associated with an active customer account. Effective September 1, 2022, this calculation will be converted to a monetary adjustment by multiplying the inactive account volumes by Weighted Average Cost of Gas for the period applicable to the calculation. The monetary inactive account adjustment will be included in the annual GAC reconciliation as a separate line item that increases gas cost revenues.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 102 of 328

PSC NO: 219 GAS

LEAF: 90.1.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 1

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)**

17.1.6 System Performance Adjustment (SPA) (continued)

17.1.6.2.2 Subtracting the LAUF Target from the Dead Band Upper Limit if actual system LAUF exceeds the Dead Band Upper Limit.

17.1.6.2.3 Subtracting the LAUF Target from the Dead Band Lower Limit if actual system LAUF is less than the Dead Band Lower Limit.

17.1.6.3 The SPA per therm rate is calculated by dividing: 1) the Total SPA Amount determined per Rule 17.1.6.1 adjusted for simple interest at the Commission's other customer capital rate by; 2) the projected annual sales of the SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers and the SC Nos. 1MB, 2MB, 5, 7, 8, 12MB, 12DB and 13MB transportation customers.

17.1.6.3.1 Effective for the 12-month period starting January 1, 2015 and each subsequent 12-month period starting January 1st thereafter, the SPA per therm rate is set forth on the: 1) Statement of System Performance Adjustment; and 2) Statement of Monthly Cost of Gas and included in; 3) Delivery Service Adjustments.

17.1.6.4 Recoveries of the SPA per therm rate will be reconciled initially for the 12-month period ending December 31, 2015 and each subsequent 12-month period ending December 31st thereafter.

17.1.6.4.1 The SPA Annual Reconciliation Adjustment per therm rate will be determined by dividing the SPA Annual Reconciliation Adjustment (adjusted for simple interest at the Commission's other customer capital rate) by the projected annual sales of the SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers and the SC Nos. 1MB, 2MB, 5, 7, 8, 12MB, 12DB and 13MB transportation customers.

17.1.6.4.2 The SPA Annual Reconciliation Adjustment per therm rate will take effect initially for the 12-month period starting January 1, 2017 and each subsequent 12-month period starting January 1st thereafter to refund any over recoveries or recover any under recoveries of the SPA per therm rate implemented per Rule 17.1.6.2. The SPA Annual Reconciliation Adjustment per therm rate will be added to the SPA per therm rate in effect at that time.

17.1.6.4.3 Effective February 1, 2022, the Company will file SPA statement to include SC Nos. 5, 7, 8 sales.

17.2 Risk Management Costs:

17.2.1 Risk Management Costs are costs associated with transactions that are intended to reduce price volatility or reduce overall costs to customers. These costs include transaction costs, and gains and losses associated with transactions made in commodities exchanges or with other risk management entities.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE:05/01/19
STAMPS:

LEAF: 91
REVISION: 8
SUPERSEDING REVISION: 6

GENERAL INFORMATION

17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)

17.3 Monthly Cost of Gas:

- 17.3.1 The Monthly Cost of Gas shall be the sum of the Average Cost of Gas as computed herein multiplied by the Factor of Adjustment stated in Rule 17.1 as adjusted for Supplier Refunds as stated in Rule 17.6, the Annual Surcharge or Refund as stated in Rule 17.7 and any other adjustments approved by the Public Service Commission. This Monthly Cost of Gas shall be adjusted for Load Factors.
- 17.3.2 The Average Cost of Gas shall be equal to the sum of the Average Commodity Cost of Gas and the Average Demand Cost of Gas per therm.
- 17.3.3 The Average Commodity Cost of Gas shall be computed monthly by determining the total commodity cost of gas as defined in Rule 17.3.5, less the cost of gas for customers taking standby sales service under Service Classification No. 8, less supplemental service under Service Classification No. 9 dividing such cost by the forecasted Weather Normalization quantities of gas for delivery to the Company's own customers during the month in which the Monthly Cost of Gas will be in effect. Such quantity will exclude gas purchased for sale to Service Classification No. 8 standby sales customers, and Service Classification No. 9 supplemental service customers.
- 17.3.4 The Average Demand Cost of Gas shall be computed monthly by determining the Total Demand Cost of Gas as defined in Rule 17.3.6, less D1 demand charges applicable to Service Classification No. 8 customers, less 85% of margins and capacity release credits received from Off-System Transactions, less capacity release credits received, less peaking demand charge credit pursuant to Service Classification No. 11.
- 17.3.4.1 The resulting demand charges shall be divided by the Weather Normalization quantities of gas taken for delivery to the Company's sales customers during the twelve calendar months immediately preceding the computation date.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE:10/17/18

LEAF: 92
REVISION: 8
SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION

17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)

- 17.3.5 The total commodity cost of purchased gas, used in the determination of the Average Commodity Cost of purchased gas as defined in Rule 17.3.3, is determined by:
 - 17.3.5.1 Applying the variable rates and charges of the transporters, storage providers and suppliers to the billing determinants associated with transportation, storage, and gas supply, for the forecasted Weather Normalization of gas to be taken for delivery to the Company's own sales customers during the month in which the Monthly Cost of Gas will be in effect.
 - 17.3.5.2 Applying the average unit cost of gas in storage at the date of computation to the quantities of gas estimated to be withdrawn from storage for the Company's own sales customers during the month in which the Monthly Cost of Gas will be in effect.
- 17.3.6 The total Demand Cost of Purchased Gas used in the determination of the Average Demand Cost of Gas as defined in Rule 17.3.4 is determined by:
 - 17.3.6.1 Applying the fixed rates and charges to the transporter's storage providers, and suppliers to the billing determinants associated with pipeline capacity, storage capacity and producer reservation charges based on the 12 month period September 1st through August 31st of each year.
- 17.3.7 Risk Management Costs, as defined in Rule 17.2, may be included within the costs described in Paragraphs 17.3.5 and 17.3.6.

Issued By: John Bruckner, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22

LEAF: 93
REVISION: 8
SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION

17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)

17.3.8 Monthly Imbalance Surcharge or Refund

A monthly imbalance surcharge or refund will be implemented, as required, from October 1st through July 31st to minimize projected year-end under-collections or over-collections of the Monthly Cost of Gas for customers taking Gas Supply Service under Service Classification Nos. 1, 2, 5, 7, 8, 12 and 13.

17.3.9 Load Factor:

The Average Demand Cost of Gas as defined in Rule 17.3.4 shall be further adjusted for load factor. These factors shall be updated by the Company annually by using the most recent four-year average ratio, as set forth on the Statement of Load Factor Ratios to be filed with the Public Service Commission apart from this rate schedule not less than thirty (30) days prior to December 1st of each year.

Initially, the Statement of Load Factor Ratios for SC 5, 7, and 8 sales will be developed by using the forecasted volumes and each subsequent filing date by using actual volumes once the data is available.

Except for the Statement of Load Factor Ratios effective February 1, 2022, each Statement of Load Factor Ratios will be filed by the Company not less than thirty (30) days prior to December 1st of each year.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 106 of 328

PSC NO: 219 GAS

LEAF: 94

NIAGARA MOHAWK POWER CORPORATION

REVISION: 13

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 11

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)**

17.4 Statement of Monthly Cost of Gas:

17.4.1 The Monthly Cost of Gas applicable to Service Classification Nos. 1, 2, 5, 7, 8, 12 and 13 computed as herein, will become effective the first day of the calendar month following the computation date, provided however, that the Monthly Cost of Gas will be prorated based on the days in the customer's billing cycle. The Monthly Cost of Gas will continue in effect until changed. The statement shall contain the schedules and service classifications to which the adjustment applies, the present average cost of purchased gas, the refunds or surcharges to be applied to the Monthly Cost of Gas, the date at which and the period for which the present average cost of purchased gas was determined, the Net Monthly Cost of Gas per Therm, the date when the Monthly Cost of Gas rate shall become effective and the System Performance Adjustment per therm rate. Such statement will be available on the Company's website at www.nationalgridus.com.

17.4.2 The Monthly Cost of Gas resulting from this provision will be filed with the Public Service Commission apart from this rate schedule not less than two business days prior to the date on which the statement is proposed to be effective.

17.5 Balancing Charges:

17.5.1 Charge to Marketers:

Marketers/Direct Customers taking Daily Balancing Service under Service Classification No. 11 will be subject to a Monthly Balancing Charge per therm of MPDQ for all customers contained within their Daily Balancing Pool. The resulting rates will be set forth on the Statement of Balancing Charge to be filed with the Public Service Commission apart from this rate schedule not less than three (3) days prior to any change in the effective rates.

17.5.1.1 The standard Monthly Balancing Charge rate will be based on a 5% Allowed Imbalance Tolerance and will be equal to the sum of the annualized costs per day of the effective rates for Eastern Gas Transmission & Storage Inc (EGTS) divided by 12 to arrive at a monthly rate. The annualized costs for EGTS include: (i) FTNN-GSS pipeline capacity (Dt per day), (ii) GSS Storage Demand (Dt per day), and (iii) GSS Storage Capacity (Dt per month). The resulting monthly rate will then be multiplied by 5% to determine the standard Monthly Balancing Charge. Customers may elect a larger Allowed Imbalance Tolerance for the months of April through October up to the percentages allowed per Rule 29.2.4 in the General Information section of this Tariff.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 107 of 328

PSC NO: 219 GAS

LEAF: 95

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION

17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)

17.6 Refund Provision:

17.6.1 In the event that the rates and charges of the Company's gas suppliers, pipeline transporters or storage providers are retroactively reduced, and the Company receives a refund for excess charges paid, the total amount of the refund adjusted to include simple interest at the Commission's Other Customer Capital Rate will be returned to the Company's firm customers.

17.6.2 Gas Supplier Refunds

17.6.2.1 The Company will credit gas supplier refunds to firm sales customers served under Service Classification Nos. 1,2,5,7,8,12 and 13.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 108 of 328

PSC NO: 219 GAS

LEAF: 96

NIAGARA MOHAWK POWER CORPORATION

REVISION: 13

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 11

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)**

17.6.2.2 The refund will be included as a credit in the computation of the Annual Cost of Gas Surcharge or Refund per Rule 17.7.

17.6.3 Refunds from Pipeline Transporters and Storage Providers

17.6.3.1 Refunds credited by pipeline transporters or storage providers to the Company only and not to Marketers or Direct Customers that have obtained a capacity release from the Company of the associated pipeline transportation or storage capacity:

17.6.3.1.1 The refund allocable to firm sales customers served under Service Classification Nos. 1, 2, 5, 7, 8, 12 and 13 will be included as a credit in the computation of the Annual Cost of Gas Surcharge or Refund per Rule 17.7

17.6.3.1.2 The refund allocable to firm transportation customers that participate in Monthly Balancing Service under Service Classification Nos. 1, 2, 5, 7, 12 and 13:

17.6.3.1.2.1 The refund will be included as a credit in the Annual Transportation Imbalance Surcharge or Refund factor for the upcoming calendar year which will be set forth on the Gas Transportation Rate Statement and included in the Delivery Service Adjustments.

17.6.3.1.2.2 A per therm refund credit will be computed by dividing the refund by the estimated firm transportation quantities for the calendar year in which the refund is to be credited.

17.6.3.2 Refunds credited by pipeline transporters or storage providers to the Company as well as to Marketers or Direct Customers that have obtained a capacity release from the Company of the associated pipeline transportation or storage capacity:

17.6.3.2.1 The Company will treat the portion of the refund that it receives in the same manner as a gas supplier refund as described in Rule 17.6.2.

17.6.4 Where exceptional circumstances warrant, the Company may petition the Commission for a waiver or modification of the above refund plan.

PSC NO: 219 GAS

LEAF: 96.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 5

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)**

17.7 Annual Cost of Gas Surcharge or Refund:

17.7.1 A surcharge or refund (adjusted for simple interest at the Commission's other customer capital rate) to recover Monthly Cost of Gas under-collections or to refund Monthly Cost of Gas over-collections for each 12-month period ending August 31st will be computed for sales customers served under Service Classification Nos. 1, 2, 5, 7, 8, 12 and 13 by taking: 1) allowed gas expense and subtracting the; 2) Monthly Cost of Gas revenues (exclusive of gross revenue taxes); and 3) Other Revenues/Adjustments and then adding; 4) the LAUF Adjustment.

17.7.1.1 The allowed gas expense is determined by taking:

- 1) The cost of purchased gas including Risk Management Costs as recorded on the books of the Company for the 12-month period ending August 31st

And then subtracting:

- 2) Cost of gas related to sales to Service Classification No. 10
- 3) Cost of gas for customers taking standby sales service under Service Classification No. 8
- 4) Daily and monthly cashouts for under deliveries, true up charges for under deliveries and other charges collected pursuant to Service Classification No. 11
- 5) Capacity release credits received pursuant to Service Classification No. 11
- 6) Gas costs associated with Off-System Transactions
- 7) Stranded Capacity Costs calculated in accordance with Rule 17.9 of the General Information Section

And then adding:

- 8) Daily and monthly cashouts for over deliveries, true up charges for over deliveries, and any other charges paid by the Company to Marketers pursuant to Service Classification No. 11

17.7.1.2 The Monthly Cost of Gas revenues are determined for sales customers served under Service Classification Nos. 1, 2, 5, 7, 8, 12 and 13.

17.7.1.3 Other Revenues/Adjustments are equal to the sum of:

- 1) Standby charges collected from residential and human needs delivery only customers in accordance with Rule 3.2.2 of the General Information Section
- 2) Unauthorized usage penalty charges collected in accordance with Rule 3.3 of the General Information Section
- 3) Monthly Balancing Charges, Demand Transfer Recovery charges, Forced Balancing OFO penalty charges, penalty charges for daily imbalances and storage inventory charges collected pursuant to Service Classification No. 11
- 4) Supplier refunds in accordance with Rule 17.6 of the General Information Section

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 110 of 328

PSC NO: 219 GAS

LEAF: 97

NIAGARA MOHAWK POWER CORPORATION

REVISION: 10

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)**

- 5) Supplemental service revenues pursuant to Service Classification No. 9
- 6) 85% of margins and capacity release credits received from Off-System Transactions
- 7) Any remaining cost of gas under-collections or over-collections from the previous year (adjusted for simple interest at the Commission's other customer capital rate) to be recovered or refunded to sales customers served under Service Classification Nos. 1, 2, 5, 7, 8, 12 and 13

17.7.1.4 The LAUF Adjustment is determined per Rule 17.1

- 17.7.2 The amounts derived in 17.7.1 shall be divided by the quantities of gas purchased for customers taking service under Service Classification Nos. 1, 2, 5, 7, 8, 12 and 13 during the determination period to determine the surcharge or refund rates. Any refund or surcharge under this paragraph shall include simple interest at a rate to be determined from time to time by the Commission. The factor of adjustment as defined in Rule 17.1 will be applied to these amounts.
- 17.7.3 The determination period to be used in the computation of the surcharge or refund will be the twelve months ended August 31 of each year. The surcharge or refund computation will be filed with the Public Service Commission on or before October 15 of each calendar year.
- 17.7.4 The surcharge or refund will be effective with the January 1st Statement of Monthly Cost of Gas.
- 17.7.5 Effective February 1, 2022, the Statement of Monthly Cost of Gas for Service Classification Nos. 5, 7 and 8 will include the annual reconciliation surcharge or refund.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 111 of 328

PSC NO: 219 GAS

LEAF: 98

NIAGARA MOHAWK POWER CORPORATION

REVISION: 10

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**17. ADJUSTMENT OF RATES IN ACCORDANCE WITH CHANGES IN THE COST OF PURCHASED GAS: (continued)**

17.9 Stranded Capacity Costs:

- 17.9.1 Stranded Capacity Costs are costs to the Company of pipeline and storage capacity, including costs of capacity that are not assigned, that are not offset by capacity release revenues or off-system sales and that are no longer necessary for sales customers (including standby service transportation customers) due to migration and that, prior to the migration, were recovered from such customers.
- 17.9.2 The Company's recovery of such costs will be funded through a volumetric surcharge to the Gas Delivery Service Rates of Service Classification Nos. 1, 2, 5, 7, 8, 12 and 13 and through an adjustment to the Service Classification No. 8 D1 Demand Charge. The cost assigned to the Service Classification No. 8 customers will be a ratio of their elected D1 Demand for Standby Service to the forecasted system peak day demand multiplied by the total stranded cost. There will be no gap in the Company's recovery of Stranded Capacity Costs during the settlement period.

18. GAS FIRED EMERGENCY ELECTRIC GENERATION:

- 18.1 Company will allow the attachment of gas-fired emergency electric generators under the following conditions:
- 18.1.1 Only sufficient emergency electric generation may be installed to provide minimum requirements for safety and health.
- 18.1.2 The customer shall pay all costs associated with meter installation, and, if necessary, system reinforcement, mains and service lines.
- 18.1.3 When the Company has sales restrictions, the emergency electric generation customer will be penalized for excessive usage.
- 18.1.3.1 Excessive usage will occur when the customer exceeds his existing annual limitation for other uses plus an annual emergency electric generation allotment allowing one-half (1/2) hour testing each week and estimated use during verifiable power outages.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/09
STAMPS:

LEAF: 99
REVISION: 3
SUPERSEDING REVISION: 2

GENERAL INFORMATION

18. GAS FIRED EMERGENCY ELECTRIC GENERATION: (continued)

18.1.3.2 Usage over this new annual limitation will be billed, where appropriate, at the maximum tariff penalty for unauthorized use.

19. TAX FACTORS APPLICABLE IN MUNICIPALITY WHERE SERVICE IS SUPPLIED:

19.1 The rates and charges for service under all Service Classifications of this Schedule P.S.C. No. 219 Gas, including Gas Supply and minimum charges, shall be increased by a factor developed from the aggregate percentage rate of the taxes imposed on the Company's gas revenues pursuant to Sections 186-a and Section 210 of the State Tax Law; Section 20-b of the General City Law; and Section 5-530 of the Village Law. Two tax factors shall be applied, one to Delivery Service Revenue and one to Commodity Service Revenue. The total of all rates and charges will be multiplied by 1 plus a factor equal to the result of the tax rate divided by 1 minus the tax rate for the appropriate municipality.

19.1.1 Delivery Service Revenue is defined as all charges included under the Gas Delivery Charges portion of a customer's bill exclusive of sales taxes and import taxes. Delivery Service Revenue will include Standby Charges.

19.1.2 Commodity Service Revenue is defined as all charges included under the Gas Supply Charges section of the customer's bill exclusive of sales taxes. This will include the charge for Gas Supply and the Merchant Function Charge.

19.1.3 The applicable revenue tax surcharge factor shall be set forth on statements filed with the Public Service Commission and are subject to adjustment whenever a city or village levies a new tax on the Company's gross revenues, repeals such a tax, or changes the rate of such tax.

19.1.3.1 Every such statement shall be filed not less than fifteen (15) business days before the date on which the statement is proposed to be effective, and no sooner than the date of the tax enactment to which the statement responds; shall become effective no sooner than the date when the tax enactment is filed with the Secretary of State; shall be applicable to bills subject to tax enactment that are rendered on or after the effective date of the statement; and shall be canceled not more than five (5) business days after the tax enactment either ceases to be effective or is modified so as to reduce the tax rate.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 113 of 328

PSC NO: 219 GAS

LEAF: 100

NIAGARA MOHAWK POWER CORPORATION

REVISION: 9

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**19. TAX FACTORS APPLICABLE IN MUNICIPALITY WHERE SERVICE IS SUPPLIED:
(continued)**

19.1.3.2 Such statement will be available to the public on the Company's website at www.nationalgridus.com.

20. SERVICE RE-ESTABLISHMENT CHARGE:

- 20.1 When the Company re-establishes gas service to the same customer at the same meter location where the service was disconnected for non-payment of bills, a service re-establishment charge will be made in addition to all other charges under this schedule. The following charges will be assessed for each service that was discontinued at the meter or at the outside service valve:
- 20.1.1 When the customer specifies service to be re-established during normal business hours, a service re-establishment charge will be assessed regardless of the time the service is actually re-established. The charge applicable to all customers is \$54.00.
- 20.1.2 When the customer specifies service to be re-established during other than normal business hours, a service re-establishment charge will be assessed. The charge applicable to all customers is \$68.00.
- 20.1.3 When the customer also receives electric service at the same location from the Company and the electric service is being re-established at the electric meter, the larger of the two electric and gas charges will be the applicable charge to cover the electric and gas re-establishment if both services are re-established at the same time.
- 20.1.4 After agreement with the customer on the date, time and charge for service re-establishment, the Company will endeavor to re-establish service as soon as possible.
- 20.1.5 For purposes of this Rule, normal business hours are considered to be from 8:00 a.m. to 4:00 p.m., local time, Monday through Friday, excluding holidays.
- 20.1.6 Effective February 1, 2022, the company will waive the re-establishment fees for customers that participate in the EAP program and have had their service disconnected for non-payment.

21. PAYMENT OF INTEREST ON CUSTOMER OVERCHARGES:

- 21.1 The Company shall pay interest on customer overpayments when the overpayment was caused by Company error. The Company is not required to pay interest on overpayments if the Company remits a refund to the customer within thirty (30) days after the date the customer's overpayment is received by the Company.
- 21.1.1 A customer overpayment is defined as payment by the customer to the utility in excess of the correct charge for gas service supplied to the customer which was caused by erroneous billing by the Company.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 101
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

21. PAYMENT OF INTEREST ON CUSTOMER OVERCHARGES: (continued)

- 21.1.2 The interest rate to be applied to customer overpayments shall be the greater of the unadjusted customer deposit rate or the applicable late payment rate, if any, for the service classification under which the customer was billed. The interest shall be paid from the date when the customer overpayment was made, adjusted for any changes in the deposit rate or late payment rate, and compounded monthly, until the date when the overpayment was refunded.
- 21.1.3 The total billing refund amount, overpayment and interest, will be applied to the past due balances on the customer's account. Any remaining refund amount will be paid by check to the customer, unless otherwise directed by the customer. Prior customers no longer receiving service will be paid by check. Total refund amounts relating to matters other than billing will normally be refunded by check to the customer or developer, unless the customer or developer currently owes the Company for services rendered.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 115 of 328

PSC NO: 219 GAS

LEAF: 102

NIAGARA MOHAWK POWER CORPORATION

REVISION: 4

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 2

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION

22. Reserved for future use

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 116 of 328

PSC NO: 219 GAS

LEAF: 103

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 0

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION

22. Reserved for future use

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 117 of 328

PSC NO: 219 GAS

LEAF: 104

NIAGARA MOHAWK POWER CORPORATION

REVISION: 6

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 4

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION

22. Reserved for future use

23. EMPIRE ZONE RIDER:

23.1 The Empire Zone Rider program is closed to new applicants/customers, but the Company will continue to honor existing Empire Zone Rider arrangements for their remaining term period. Current participants are served under Service Classification Nos. 2, 5, 7, 8, and:

23.1.1 Whose end use is non-residential in nature, and

23.1.2 Who have been certified by the state and local economic development zone administrators as being eligible to receive the benefits pursuant to Article 18-B of the General Municipal Law and

23.1.3 Who add to the Company's system gas volume at least:

23.1.3.1 280 Therms per month for S.C. No. 2

23.1.3.2 20,833 Therms per month for S.C. No. 5 or S.C. No. 8

23.1.3.3 4,167 Therms per month for S.C. No. 7,

shall be eligible to take service hereunder and in accordance with Service Classification Nos. 2, 5, 7, or 8 and to pay a reduced amount for such service as described below.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 118 of 328

PSC NO: 219 GAS

LEAF: 105

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**23. EMPIRE ZONE RIDER: (continued)**

23.2 Customers accepted for service under the provisions of this rider shall be qualified to pay a reduced amount for service as follows:

23.2.1 Customers taking service under Service Classification No. 2 shall receive a discount of 5.0 cents per therm, adjusted by the Deferral Surcredits as shown below in Rule 23.2.1.4 and applied to:

23.2.1.1 All monthly consumption in excess of 280 Therms for new customers.

23.2.1.2 All monthly consumption in excess of 280 Therms for existing customers whose monthly base normalized consumption is less than 280 Therms. (example: Base of 180 Therms + 280 Therms of incremental usage = 460 Therms. If consumption = 600 Therms, Discount Therms = 600 Therms - 280 Therms = 320 Therms. If consumption = 400 Therms, Discount Therms = 0 Therms.)

23.2.1.3 All monthly consumption in excess of the monthly base normalized consumption for existing customers whose monthly base normalized consumption exceeds 280 Therms. (example: Base of 400 Therms + 280 Therms of incremental usage = 680 Therms. If consumption = 600 Therms, Discount Therms = 0 Therms. If consumption = 700 Therms, Discount Therms = 700 Therms - 400 Therms = 300 Therms.)

23.2.1.4 Pursuant to the order of the Public Service Commission ("Commission") dated in Case 20-G-0381 qualifying EZR load is not eligible to receive the Deferral Surcredit. The EZR discount will be adjusted by the applicable Deferral Surcredit that is included in standard delivery service rates for the duration of the Deferral Surcredits included in Rule 41. The resulting EZR discount rates effective February 1st, 2022 are shown in the table below:

Service Classification No. 2	EZR Discount	Deferral Surcredit	Net EZR Discount
281- 5,000 Therms, per Therm	\$0.05	(\$0.0000)	\$0.0500
Over 5,000 Therms, per Therm	\$0.05	(\$0.0000)	\$0.0500

Issued By: Rudolph L. Wynter, President, Syracuse, New York

PSC NO: 219 GAS

LEAF: 106

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION

23. EMPIRE ZONE RIDER: (continued)

23.2.2 Reserved for future use

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 120 of 328

PSC NO: 219 GAS

LEAF: 106.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**23. EMPIRE ZONE RIDER: (continued)**

23.2.3 Customers taking service under Service Classification No. 5 or Service Classification No. 8 shall receive a discount of 3.0 cents per Therm, adjusted by the Deferral Surcredits as shown below in Rule 23.2.3.4 and applied to:

23.2.3.1 All monthly consumption in excess of 20,833 Therms for new customers.

23.2.3.2 All monthly consumption in excess of 20,833 Therms for existing customers whose monthly base normalized consumption is less than 20,833 Therms.

23.2.3.3 All monthly consumption in excess of the monthly base normalized consumption for existing customers whose monthly base normalized consumption exceeds 20,833 Therms.

23.2.3.4 Pursuant to the order of the Public Service Commission (“Commission”) dated in Case 20-G-0381 qualifying EZR load is not eligible to receive the Deferral Surcredit. The EZR discount will be adjusted by the applicable Deferral Surcredit that is included in standard delivery service rates for the duration of the Deferral Surcredits included in Rule 41. The applicable discount rates effective February 1st, 2022 are shown in the table below:

Service Classification No. 5	EZR Discount	Deferral Surcredit	Net EZR Discount
Over 20,833 Therms, per Therm	\$0.03	(\$0.00115)	\$0.02885

Service Classification No. 8	EZR Discount	Deferral Surcredit	Net EZR Discount
20,834 - 100,000 Therms, per Therm	\$0.03	(\$0.00172)	\$0.02828
Next 400,000 Therms, per Therm	\$0.03	(\$0.00162)	\$0.02838
Over 500,000 Therms, per Therm	\$0.03	(\$0.00139)	\$0.02861

PSC NO: 219 GAS

LEAF: 106.2

NIAGARA MOHAWK POWER CORPORATION

REVISION: 6

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 5

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**23. EMPIRE ZONE RIDER: (continued)**

23.2.4 Customers taking service under Service Classification No. 7 shall receive a discount of 5.0 cents per Therm adjusted by the Deferral Surcredit as shown below in Rule 23.2.4.4 and applied to:

23.2.4.1 All monthly consumption in excess of 4,167 Therms for new customers.

23.2.4.2 All monthly consumption in excess of 4,167 Therms for existing customers whose monthly base normalized consumption is less than 4,167 Therms.

23.2.4.3 All monthly consumption in excess of the monthly base normalized consumption for existing customers whose monthly base normalized consumption exceeds 4,167 Therms.

23.2.4.4 Pursuant to the order of the Public Service Commission (“Commission”) dated in Case 20-G-0381 qualifying EZR load is not eligible to receive the Deferral Surcredit. The EZR discount will be adjusted by the applicable Deferral Surcredit that is included in standard delivery service rates for the duration of the Deferral Surcredits included in Rule 41. The applicable discount rates effective February 1st, 2022 are shown in the table below:

Service Classification No. 7	EZR Discount	Deferral Surcredit	Net EZR Discount
4,168 – 4,200 Therm, per Therm	\$0.05	(\$0.02410)	\$0.02590
Over 4,200 Therms, per Therm	\$0.05	(\$0.00993)	\$0.04007

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 122 of 328

PSC NO: 219 GAS

LEAF: 107

NIAGARA MOHAWK POWER CORPORATION

REVISION: 6

INITIAL EFFECTIVE DATE:10/17/18

SUPERSEDING REVISION: 5

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION**23. EMPIRE ZONE RIDER: (continued)**

- 23.3 The above mentioned discounts will be revised and changed, if required, during each rate change proceeding. The revised discounts would apply to existing customers served by the Rule as well as to newly certified customers.
- 23.4 Any consumption receiving discounts will not receive deferral surcredits defined in Rule 41.
- 23.5 Customers qualifying for the Empire Zone Rider receive a Certificate of Eligibility from the State of New York, which entitles said customer to continue service at the discounted rate until the designated ten (10) year term expires, provided the customer maintains their zone certification throughout that period. The Company shall receive a copy of this certificate prior to offering a customer the discounted rate, and reserves the right to periodically verify said customer's continued eligibility for the program, and to remove any decertified customers from the program.
- 23.6 Inquiries concerning service under the Empire Zone Rider should be directed to the Economic Development Department, Niagara Mohawk Power Corporation, 300 Erie Boulevard West, Syracuse, New York 13202.

24. RESERVED FOR FUTURE USE

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 123 of 328

PSC NO: 219 GAS

LEAF: 108

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 0

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION

RESERVED FOR FUTURE USE

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 124 of 328

PSC NO: 219 GAS

LEAF: 109

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 0

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION

RESERVED FOR FUTURE USE

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 125 of 328

PSC NO: 219 GAS

LEAF: 110

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 0

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION

RESERVED FOR FUTURE USE

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/18

LEAF: 111
REVISION: 8
SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION

25. EXCELSIOR JOBS PROGRAM:

- 25.1 The Excelsior Jobs Program (“EJP”) is sponsored by the New York State Department of Economic Development. The New York State Excelsior Jobs Program is a tax incentive program commencing with tax years beginning in 2011 for non-residential customers who add additional load or who are new customers and are qualified for discounted rates by the NYS Department of Economic Development. Qualified customers are eligible for discounted rates for up to a consecutive ten year term from the date the Company receives a Certificate of Tax Credit from the NYS Department of Economic Development.
- 25.2 Definitions:
- 25.2.1 "Certificate of Eligibility" means the document, as defined in the EJP Act, issued by Empire State Development (“ESD”) to a Customer or applicant that has been accepted into EJP for his location. Possession of a certificate of eligibility does not by itself guarantee eligibility to claim benefits under EJP.
- 25.2.2 "Certificate of Tax Credit" means the document, as defined in the EJP Act, issued to a participant by ESD that entitles a participant to claim a tax credit and reduced delivery rates for a twelve month period pursuant to the EJP Act.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 111.1
REVISION: 8
SUPERSEDING REVISION: 6

GENERAL INFORMATION

25. EXCELSIOR JOBS PROGRAM:

25.3 Eligibility Criteria:

- 25.3.1 Any applicant or customer whose end use is non-residential in nature; and who qualifies for service under and in accordance with the provisions of customers served under Service Classification Nos. 2, 5, 7, or 8 and
- 25.3.2 who has a Certificate of Eligibility and the Company receives a Certificate of Tax Credit for that applicant/customer from the NYS Department of Economic Development; and
- 25.3.3 who permanently increases their monthly base load gas consumption by twenty-five percent (25%) or more or is a new customer.
 - 25.3.3.1 For existing customers, the Company shall determine increased gas consumption by establishing a monthly base usage pattern at the premises based upon the historical consumption for the twelve-month period immediately preceding the customer's receipt of its initial EJP Certificate of Eligibility. For weather sensitive customers, this monthly base usage pattern will be normalized. Where actual gas usage increases over such base by twenty-five percent in a month, then applicant will be eligible for the benefits of this Rider for that month, and gas usage in excess of the base will be eligible for an EJP rate. For weather sensitive customers, this actual gas usage will be normalized. All monthly gas consumption not meeting the discount qualifications of this Rider shall be billed at the applicable Service Classification rates and charges. For a new customer with no historical usage, the monthly base usage will be considered as zero. EJP Load is load in a given month above the customer's base for that month.

25.4 Certification and Verification

- 25.4.1 Customers with a "Certificate of Eligibility" will be eligible to qualify to receive a Certificate of Tax Credit each year which will entitle the customer to receive service at a discounted rate for the following twelve-month period commencing with the next full billing period after the utility receives the certificate of tax credit. Service at discounted rates will end no later than fifteen months after receipt of such notification. The Company shall receive a copy of this certificate of tax credit prior to billing the discounted rate.
- 25.4.2 In addition, qualifying customers must keep their account in good standing for the discounted delivery rate to begin and continue.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 128 of 328

PSC NO: 219 GAS

LEAF: 111.1.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 9

INITIAL EFFECTIVE DATE:02/01/22

SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**25. EXCELSIOR JOBS PROGRAM:**

- 25.5 EJP Rate - For existing customers meeting the increased consumption criteria stated above, the following delivery rates, including ETIP costs as explained in Rule 31, shall apply to any gas consumption above the stated monthly base load in excess of the consumption included in the minimum charge. For new customers, the following delivery rate applies to all gas consumption in excess of the consumption included in the minimum charge:

Service Classification	EJP (\$/therm)	ETIP (\$/therm)	Total EJP: EJP + ETIP (\$/therm)
Service Classification No. 2 Commercial	\$0.05981	\$0.01478	\$0.07459
Service Classification No. 2 Industrial	\$0.05981	\$0.01478	\$0.07459
Service Classification No. 5	\$0.01863	\$0.01472	\$0.03335
Service Classification No. 7	\$0.03408	\$0.01901	\$0.05309
Service Classification No. 8	\$0.01810	\$0.01468	\$0.03278

- 25.5.1 All EJP load is exempt from the Company's Revenue Decoupling Mechanism and Earnings Adjustment Mechanism.
- 25.5.2 All EJP load is exempt from deferral surcredits defined in Rule 41. All customers receiving the EJP rate will be responsible for the Monthly Minimum Charge under the customer's applicable Service Classification Nos. 2, 5, 7, or 8.
- 25.5.3 With the exception of Rule 25.5.1, all customers receiving the EJP rate will be responsible for all of the surcharges as applicable under the customer's applicable Service Classification Nos. 2, 5, 7, or 8.
- 25.5.4 All monthly gas consumption not meeting the discount qualifications of this Rider shall be billed at the customer's applicable Service Classification Nos. 2, 5, 7, or 8 rates and charges.
- 25.6 The above mentioned rates will be revised and changed, if required, during each rate change proceeding. Any revised rates will apply to existing customers served by the Rule as well as to newly certified customers.
- 25.7 The Company will perform an annual review of all EJP customer classes that may pay more on EJP marginal rates than the otherwise applicable standard tariff rate. If that review indicates a customer paid more on EJP rates than on the standard tariff rate, the Company will provide a refund for the difference.
- 25.8 Effective February 1, 2022, before commencement of discounted service EJP service, eligible customers must demonstrate that an assessment of potential energy efficiency opportunities has been undertaken, including documentation of measures that have been explored through programs offered by the Company, the New York State Energy Research and Development Authority, and/or other entities.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

PSC NO: 219 GAS

LEAF: 111.2

NIAGARA MOHAWK POWER CORPORATION

REVISION: 9

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**26. GAS NET REVENUE SHARING MECHANISM:**

26.1 Gas Net Revenue Sharing Targets

26.1.1 The Gas Net Revenue Sharing Rate will be based on the following Delivery Service Revenue Targets:

Service Class	July 1, 2021 – June 30, 2022	July 1, 2022 – June 30, 2023	July 1, 2023 – June 30, 2024
SC No. 6	\$ 2,932,145	\$ 2,308,499	\$ 2,519,330
SC No. 9	\$ 4,621,595	\$ 5,005,584	\$ 5,156,572
SC No. 14	\$ 13,010,642	\$ 13,086,570	\$ 13,167,461

By September 15, 2022 and each September 15th thereafter, the Company will submit for review and approval by the Public Service Commission, its calculation of any net revenue refund or recovery as set forth in Rules 26.2 and 26.3 for the 12-month period July 1st through June 30th.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 130 of 328

PSC NO: 219 GAS

LEAF: 111.3

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 0

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION

RESERVED FOR FUTURE USE

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22

LEAF:112
REVISION: 10
SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION

26. GAS NET REVENUE SHARING MECHANISM: (continued)

26.2 Delivery Service Revenue Sharing:

26.2.1 July 1, 2021 through June 30, 2022 and each subsequent 12-month period thereafter:

The Company will reconcile: 1) ninety percent (90%) of the difference between the SC No. 6 Delivery Service Target as defined in Rule 26.1.1, and actual SC No. 6 delivery service revenues for the corresponding period and 2) one hundred percent (100%) of the difference between the combined SC Nos. 9 and 14 Delivery Service Target as defined in Rule 26.1.1, and actual SC Nos. 9 and 14 delivery service revenues for the corresponding period as adjusted in paragraph 26.3.3 below. Any under or over recoveries will be recovered from or credited to SC Nos. 1, 2, 5, 7, 8, 12, and 13 for the 12-month period beginning October 1st after the reconciliation period. The Net Revenue Sharing per therm surcharge or credit will be set forth on the Statement of Net Revenue Sharing Adjustment. The Company will combine any over/under recovery for the period April 1, 2021 through June 30, 2021 with over/under recoveries for the period July 1, 2021 to June 30, 2022. The NRS will appear on the Statement of Net Revenue Sharing Adjustment to be filed three (3) days prior to its effective date.

26.3 Delivery Service Revenue Adjustments

For purposes of the calculations described in Rule 26.2 the following adjustments shall apply:

26.3.1 Actual SC No. 6 delivery service revenues shall exclude delivery service revenues associated with any customer that became an SC No. 6 customer on or after July 1, 2021.

26.3.2 Actual SC Nos. 9 and 14 delivery service revenues shall exclude delivery service revenues associated with any existing firm customers that rate switch to SC Nos. 9 or 14 on or after July 1, 2021.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 132 of 328

PSC NO: 219 GAS

LEAF: 113

NIAGARA MOHAWK POWER CORPORATION

REVISION: 9

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**26. GAS NET REVENUE SHARING MECHANISM: (continued)**

- 26.3.3 Actual SC Nos. 9 and 14 delivery service revenues shall be credited the actual delivery service revenues of any customer who is an SC Nos. 9 or 14 customer as of June 30, 2021 that rate switches to any other firm or non-firm service classification on or after July 1, 2021 as if there were no rate switch. There will be no adjustment for SC Nos. 9 and 14 customers that rate switch between these two service classifications.
- 26.3.4 Actual SC No. 6 delivery service revenues shall be credited the actual delivery service revenues of any customer who is an SC No. 6 customer as of June 30, 2021 that rate switches to any other firm or non-firm service classification on or after July 1, 2021 as if there were no rate switch
- 26.3.5 Niagara Mohawk will be entitled to retain delivery service revenues from SC No 9 contracts at locations that have no preexisting facilities or whose facilities are not adequately sized to accommodate the new demand. Delivery service revenues retained by the Company must be incremental to those that may be obtained from existing gas equipment, provided that service to such new locations require investments by the Company in excess of those required for service lines, regulation and metering. If construction of a main extension is required, and such extension is off a main installed to serve an existing or past SC No. 9 customer, a portion of the delivery service revenues generated by the new contract will be shared with ratepayers. The allocation between Niagara Mohawk and ratepayers shall be established using principles consistent with the Commission's gas main extension policy.

27. WEATHER NORMALIZATION ADJUSTMENT:

27.1 Applicability:

- 27.1.1 The rates for gas service to all heating customers under Service Classification Nos. 1, 2, 5 and 7 shall be subject to a Weather Normalization Adjustment to reflect the impact of heating degree day variations from average 30 year normal levels, as determined on a revenue month basis, for the months of October through May inclusive.
- 27.1.2 The Weather Adjustment Factor will be applied to the customer's total consumption for the billing cycle. A new Weather Adjustment Factor will be calculated for each billing cycle. The monthly volume deviation shall be computed for each billing period for which adjustment is made using the formula described below.

27.2 Definitions:

$$\text{WAF} = \text{M} * \frac{\text{DDF} * (\text{NDD} - \text{ADD})}{\text{BL} + (\text{DDF} * \text{ADD})}$$

$$\text{WNA R/S} = (\text{WAF}) * (\text{U})$$

27.3 Where:

- 27.3.1 WAF = Weather adjustment factor

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 133 of 328

PSC NO: 219 GAS

LEAF: 114

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**27. WEATHER NORMALIZATION ADJUSTMENT: (continued)**

- 27.3.2 ADD = Actual heating degree days. Degree days are calculated by subtracting the average daily temperature (sum of the daily high and the daily low divided by two) from 65 degrees F. The remainder is the number of degree days for the day. Heating degree days result when the remainder is a positive number, (i.e., when the average temperature is below 65 degrees F). The heating degree days are then summed over the days that are in the billing cycle.
- 27.3.3 NDD = Normal heating degree days. The normal heating degree days are calculated in the same manner as the actual heating degree days, but they are based on a 30 year average of daily high and low temperatures ending December 31, 2019.
- 27.3.4 DDF = Average degree day factor in therms/heating degree day, is the estimated number of therms/heating degree day required to provide space heating for the average customer. DDF is determined separately for each customer classification and will be revised annually to reflect the temperature sensitivity reflected in the new throughput forecast. DDFs for the weather normalization period will be shown on the Statement of Weather Normalization Degree Day Factors and Base Loads.
- 27.3.5 BL = Base load is the average non-weather sensitive usage (in therms per customer) based on average usage by customers to which this adjustment applies. It is determined separately for each customer classification and will be revised annually to reflect the non-temperature sensitive usage of customers to which the adjustment applies in the new throughput forecast. Base Loads for the weather normalization period will be shown on the Statement of Weather Normalization Degree Day Factors and Base Loads.
- 27.3.6 M = Margin is the non-gas rate in dollars per therm. It equals the unit price of the rate block in which the customer's monthly delivery usage ended.
- 27.3.7 R/S = Refund or Surcharge in \$/customer.
- 27.3.8 U = Usage over the billing period in therms/customer.
- 27.3.9 Under this formula, the Weather Adjustment Factor (WAF) is calculated by dividing the estimated deficiency or excess in therms per customer due to weather variation for each billing cycle by the estimated average total therms used per billing cycle. The weather-related variation per customer is calculated by taking the actual heating degree days (ADD) for the billing cycle and calculating the amount by which the heating degree days exceed the normal heating degree days (NDD), or are less than the normal heating degree days (NDD), for the billing cycle. That amount is multiplied by the therms per heating degree day (DDF) per customer. The weather-related therm variation is then divided by the estimated average total usage per customer for the particular billing cycle. That amount is calculated by taking the base load (BL) therms per customer and adding the therms per heating degree days (DDF) multiplied by the actual heating degree days (ADD) for the particular billing cycle. The resulting ratio is then multiplied by the

PSC NO: 219 GAS

LEAF: 115

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 05/20/09

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 08-G-0609 dated 05/15/09.

GENERAL INFORMATION**27. WEATHER NORMALIZATION ADJUSTMENT: (continued)**

27.3.9 (continued)

applicable margin (M) to arrive at the Weather Adjustment Factor (WAF). The actual refund or surcharge would then be calculated by multiplying the WAF by the usage over the billing period (U).

27.4 Degree Day Factors (DDF) and Base Loads (BL) will be updated by the Company annually, effective June 1st, in a Statement of Weather Normalization Degree Day Factors and Base Loads thirty (30) days prior to its effective date.

28. TRANSPORTATION AND AGGREGATION OPTIONS:

28.1 Existing customers receiving service under Service Classification 1 who wish to participate in a transportation program must participate in Monthly Balancing as per the Terms of SC 11 Load Aggregation.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 135 of 328

PSC NO: 219 GAS

LEAF: 116

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**28. TRANSPORTATION AND AGGREGATION OPTIONS: (continued)**

- 28.2 Existing customers receiving service under Service Classification No. 2 with an annual use of 35,000 therms or less (based on actual twelve-month historic data), who wish to participate in a transportation program must participate in Monthly Balancing as per the terms of Service Classification No. 11.
- 28.3 Existing customers receiving service under Service Classification No. 2 with annual use greater than 35,000 and less than 50,000 therms (based on actual twelve-month historic data), who wish to participate in a transportation program, may join in Monthly Balancing or become a direct customer as per the term of Service Classification No. 11.
- 28.4 Existing customers receiving sales and transportation service under Service Classification No. 7 will have the option of electing to participate in a balancing pool or become a direct customer in either Monthly Balancing or Daily Balancing. Existing customers designated as human needs who participate in Daily Balancing must certify 100% dual fuel capability or alternately certify that they maintain, or have continuous access to, five (5) winter months (November – March) of primary firm capacity from a receipt point, acceptable to the Director of Gas Supply, into the Company's east/west city gate, as applicable, sufficient to meet the customers' Maximum Peak Day Quantity. Effective February 1, 2022, new firm non-core daily balanced customers will not be permitted to commence service absent proof that the customer, or an ESCO acting as its supplier, has contracted for firm primary point upstream capacity to the Company's city gate delivery point or points in a quantity sufficient to serve customer's anticipated peak day requirements for at least one year with the explicit understanding that such firm primary point capacity must be renewed for as long as the customer wishes to remain a firm customer.
- 28.5 Existing customers receiving sales and transportation service under Service Classification No. 5 will have the option of electing to participate in a balancing pool or become a direct customer in either Monthly Balancing or Daily Balancing. Existing customers designated as human needs who participate in Daily Balancing must certify 100% dual fuel capability or alternately certify that they maintain or have continuous access to five (5) winter months (November – March) of primary firm capacity from a receipt point, acceptable to the Director of Gas Supply, into the Company's east/west city gate, as applicable, sufficient to meet the customers' Maximum Peak Day Quantity. Effective February 1, 2022, new firm non-core daily balanced customers will not be permitted to commence service absent proof that the customer, or an ESCO acting as its supplier, has contracted for firm primary point upstream capacity to the Company's city gate delivery point or points in a quantity sufficient to serve customer's anticipated peak day requirements for at least one year with the explicit understanding that such firm primary point capacity must be renewed for as long as the customer wishes to remain a firm customer.
- 28.6 Existing customers receiving transportation service under Service Classification No. 6 will have the option of electing to participate in a balancing pool or become a direct customer under Daily Balancing as set forth in Service Classification No. 11.
- 28.7 Existing customers receiving sales and transportation service under Service Classification No. 8 will have the option of participating in a balancing pool or become a direct customer under Daily Balancing as set forth in Service Classification No. 11. Effective February 1, 2022, new firm non-core daily balanced customers will not be permitted to commence service absent proof that the customer, or an ESCO acting as its supplier, has contracted for firm primary point upstream capacity to the Company's city gate delivery point or points in a quantity sufficient to serve customer's anticipated peak day requirements for at least one year with the explicit understanding that such firm primary point capacity must be renewed for as long as the customer wishes to remain a firm customer.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 136 of 328

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 02/01/22
 STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 117
 REVISION: 9
 SUPERSEDING REVISION: 7

GENERAL INFORMATION

28. TRANSPORTATION AND AGGREGATION OPTIONS: (continued)

28.8 Existing customers receiving transportation service under Service Classification 9 may become a direct customer or participate in a balancing pool under the terms of Daily Balancing as set forth in S.C. No. 11 unless the customer balances upstream of the Company. Customers balancing upstream of the Company may not return to Balancing Service under Daily Balancing of Service Classification No. 11.

28.9 The Following table summarizes the Transportation and Aggregation Options:

Existing Rates	Transportation Rates	Daily	Monthly
S.C. 1	S.C. 1*	No	Yes
S.C. 2 < 35,000 Th	S.C. 2*	No	Yes
S.C. 2 > 35,000 < 50,000 Th	S.C. 2*	No	Yes
S.C. 7 > 50,000 < 250,000	S.C. 7**	Yes	Yes
S.C. 5 > 250,000 < 1,000,000	S.C. 5**	Yes	Yes
S.C. 6	S.C. 6	Yes	No
S.C. 8 > 1,000,000	S.C. 8 w/D1 Election	Yes	No
S.C. 9	S.C. 9	Yes	No

* All customers must take an Allocation of Upstream Pipeline Capacity and Storage or other Upstream Capacity, as needed in order to maintain the Company's system reliability.

** S.C.5 & 7 customers, designated Human Needs who participate in Daily Balancing must certify 100% dual fuel capability or alternately certify that they maintain or have continuous access to five (5) winter months (November – March) of primary firm capacity from a receipt point, acceptable to the Director of Gas Supply, into the Company's east/west city gate, as applicable, sufficient to meet the customers' Maximum Peak Day Quantity.

29. CASHOUT OF IMBALANCES:

29.1 When this tariff provides for a cashout of imbalances, Niagara Mohawk will pay the Marketer/Direct Customer involved for any net over deliveries of gas and will charge the Marketer/Direct Customer for any net under deliveries.

29.2 Definitions:

29.2.1 Marketer Underdelivery Imbalance - An underdelivery exists when the quantity of gas delivered to the Niagara Mohawk system during the applicable balancing period by or for a customer, or group of customers served by a marketer, is less than the product of the quantity of gas consumed during the period by the customer or group of customers, multiplied by the Factor of Adjustment defined in Rule 17.1 of this tariff.

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 09/01/03
 STAMPS: Issued in Compliance with Order of PSC in Case 01-M-0075 dated 12/03/01.

LEAF: 118
 REVISION: 1
 SUPERSEDING REVISION: 0

GENERAL INFORMATION

29. CASHOUT OF IMBALANCES: (continued)

- 29.2.2 Marketer Overdelivery Imbalance - An overdelivery exists when deliveries exceed consumption multiplied by the Factor of Adjustment.
- 29.2.3 Marketer Nominations - The nominations for a marketer on behalf of a customer are equal to the Dths of deliveries confirmed to be delivered to the Company's city gate for the applicable day.
- 29.2.4 Imbalance Tolerance - The tolerance stated as a percent of city gate usage allowed before charges occur in the Company's daily cashout procedure.

The Storage Capacity Balances are those in effect on April 1st of each year. The Storage Capacity Balance will be equal to the Company's contracted Storage Capacity for those storage fields utilized for capacity release less any capacity released to marketers. If the Storage Capacity Balance is projected to drop below 10,000,000 Dth at any time during the year, tolerance levels will be renegotiated for both the November 1st to March 31st and April 1st to October 31st periods.

November 1 – March 31

April 1 – October 31

	<u>Storage Capacity Balance</u>	<u>Allowed Tolerance</u>
+ or - 5%	Greater than or equal to 18,000,000 Dth	10%
	Greater than or equal to 16,000,000 and less than 18,000,000 Dth	8%
	Greater than or equal to 14,000,000 and less than 16,000,000 Dth	7%
	Greater than or equal to 12,000,000 and less than 14,000,000 Dth	6%
	Greater than or equal to 10,000,000 and less than 12,000,000 Dth	5%

- 29.2.5 Marketer Percent Imbalance - The percentage resulting from the division of the over-delivery imbalance by the marketer's city gate usage.
- 29.2.6 Cashout Volume - For purposes of Daily Cashout, the Cashout Volume is the under/overdelivery imbalance minus the product of the City Gate Usage multiplied by the percentage of Imbalance Tolerance. If the Marketer Percent Imbalance for a given marketer is less than the applicable Imbalance Tolerance percentage the Cashout Volume shall be zero.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/18
STAMPS:

LEAF: 119
REVISION: 3
SUPERSEDING REVISION: 2

GENERAL INFORMATION

29. CASHOUT OF IMBALANCES: (continued)

- 29.2.7 All Pools Imbalance - The volume resulting from the subtraction of the Total City Gate use for all Daily Balancing Pools for a given day, from the total quantity of gas delivered to the Niagara Mohawk system for a given day for all Daily Balancing Pools.
- 29.2.8 All Pools Percent Imbalance - The percentage resulting from the division of the All Pools Imbalance for a given day by the total city gate usage of all Daily Balancing Customers for a given day.
- 29.2.9 Remaining Imbalance - The Marketers Remaining Imbalance will be equal to the Marketers Imbalance less the Marketers Cashout Volume, if any.
- 29.2.10 Upstream Pipeline Capacity – All interstate pipeline transportation capacity that directly or indirectly interconnects with the Company’s transmission system.

29.3 Daily Cashout:

- 29.3.1 Applicable to customers taking Daily Balancing Service under Service Classification No. 11 according to the table below.
- 29.3.1.1 At the end of each day the All Pools Percent Imbalance will be calculated. If the absolute value of the All Pools Percent Imbalance is less than the then effective Imbalance Tolerance, there will be no daily cashout for any Daily Balancing Pool for that day. If the absolute value of the All Pools Percent Imbalance is greater than the effective Imbalance Tolerance and if the absolute value of the Marketer Percent Imbalance is less than the effective Imbalance Tolerance, that Marketer will not be cashed out. If both the absolute value of the All Pools Percent Imbalance and the absolute value of the Marketer Percent Imbalance is greater than the effective Imbalance Tolerance, that Marketer will be cashed out for their Cashout Volume.
- 29.3.1.2 Marketers’ cashout volume in dekatherms will be cashed out at the daily cashout rates described below. Each Marketer’s cashout volume will be blocked according to the table below, up to the block containing the Marketers Percent Imbalance. The 0 - 5% block will not be used when the imbalance tolerance is greater than 5% as set forth in Rule 29.2.4 of “Definitions”. The charges will then be calculated for each block at the applicable effective cashout rate. The daily cashout rates will be based on allocation percentages that will differ for the Winter (November-April) and Summer (May-October) periods. The allocation percentages will be updated every November 1 and will be included on the Statement of Balancing Charges.

Issued By: John Bruckner, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 139 of 328

PSC NO: 219 GAS

LEAF: 119.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 1

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION

During the Winter (November -April), the daily cashout rate will include allocations of Gas Daily EGTS North Point common (mid-point) plus EGTS South Point/Mid-Point plus Iroquois Receipts plus Tennessee Zone 6 plus the respective EGTS, Iroquois Receipts and Tennessee FT variable and fixed charges plus losses to the Company's city gate.

During the Summer (May – October), the daily cashout rate will include allocations of Gas Daily EGTS North Point common (mid-point) plus EGTS South Point/Mid-Point plus EGTS FT variable and fixed charges plus losses to the Company's city gate. When the Gas Daily EGTS North Point/Mid Point price is not posted, the Gas Daily EGTS South Point/Mid Point price will be used.

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 11/01/18
 STAMPS:

LEAF: 120
 REVISION: 4
 SUPERSEDING REVISION: 3

GENERAL INFORMATION

29. CASHOUT OF IMBALANCES: (continued)

29.3.1.2.1 For Under Deliveries:

Percentage of City Gate Use	Charge Per Therm
0 to 5%	Daily Cashout Rate*
> 5% to 10%	105% Daily Cashout Rate*
> 10% to 15%	110% Daily Cashout Rate*
> 15% to 20%	130% Daily Cashout Rate*
> 20% to 50%	140% Daily Cashout Rate*
> 50%	150% Daily Cashout Rate*

29.3.1.2.2 For Over Deliveries:

Percentage of City Gate Use	Payment Per Therm
0 to 5%	Daily Cashout Rate*
> 5% to 10%	95% Daily Cashout Rate*
> 10% to 15%	90% Daily Cashout Rate*
> 15% to 20%	70% Daily Cashout Rate*
> 20% to 50%	60% Daily Cashout Rate*
> 50%	50% Daily Cashout Rate*

* As defined in Rule 29.3.1.2.

PSC NO: 219 GAS

LEAF: 121

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 2

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION29. **CASHOUT OF IMBALANCES: (continued)**

29.3.1.3 Additional Charges - If the absolute value of the Marketer's Percent Imbalance is greater than 50% for any given day, additional charges may be assessed. The first time the absolute value of the Marketer's Percent Imbalance is greater than 50%, the Company will issue a notice in writing to the Marketer concerning the penalty for such imbalances. The second time the absolute value of the Marketer's Percent Imbalance is greater than 50%, the Company will issue a warning in writing to the Marketer that the next occurrence will result in a penalty. The Marketer will then be assessed a \$5.00 penalty for each dth of the Cashout Volume for the third occurrence and each occurrence thereafter in the month.

29.3.1.3.1 At the end of the month, an All Pools comparison of actual usage to nominations will be calculated. The chart below indicates the applicable cashout rates for individual marketers, depending on whether the All Pools imbalance is less or greater than a 2% tolerance. Each Marketer's Remaining Imbalance will be cashed out at the applicable rates as stated below. When the Marketers' Remaining Imbalance is an underdelivery, the Marketer will be subject to an additional charge for all dekatherms of Remaining Imbalance at the effective EGTS GSS withdrawal rate. When the Marketers' Remaining Imbalance is an overdelivery, the Marketer will be subject to an additional charge for all dekatherms of Remaining Imbalance at the effective EGTS GSS injection rate. The issuance of an Operational Flow Order will nullify All Pools Balancing for the day.

29.3.1.3.2 **For Under Deliveries:**

Monthly Imbalance Level	All Pools < 2% Imbalance	All Pools > 2% Imbalance
0 to 2%	Average of Daily Cashout Rates*	Average of Daily Cashout Rates*
> 2%	Average of Daily Cashout Rates*	120% of Average of Daily Cashout Rates*

* As defined by Rule 29.3.1.2.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 142 of 328

PSC NO: 219 GAS

LEAF: 122

NIAGARA MOHAWK POWER CORPORATION

REVISION: 9

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**29. CASHOUT OF IMBALANCES: (continued)****29.3.1.3.3 For Over Deliveries:**

Monthly Imbalance Level	All Pools < 2% Imbalance	All Pools > 2% Imbalance
0 to 2%	Average of Daily Cashout Rates*	Average of Daily Cashout Rates*
> 2%	Average of Daily Cashout Rates*	80% of Average of Daily Cashout Rates

* As defined by Rule 29.3.1.2.

29.4 Monthly Imbalance Trading:

29.4.1 Marketers operating under S.C. 11 may avoid monthly cashout charges by arranging with each other to trade offsetting monthly imbalances with other Marketers on the Niagara Mohawk system. All imbalance trading will be subject to final approval by the Company. Niagara Mohawk will endeavor to make imbalance information available to Marketers by 5:00 P.M. on the fourth business day following the close of the month. An imbalance trade may be effectuated by written/electronic notice by all affected parties to Niagara Mohawk delivered prior to 5:00 P.M. on the seventh business day following the close of the month. The notice must include the names and authorized signatures of the trading parties. Upon completion of imbalance trading, the Marketers will have access to final monthly imbalance volumes and cashout dollars electronically.

30. RESEARCH AND DEVELOPMENT SURCHARGE:

- 30.1 All Firm Sales and Firm Transportation Service Classifications (1, 2, 5, 7, 8, 12 and 13) will be subject to a Research and Development Surcharge in order to fund Research and Development Programs as provided for by the Commission's Order issued and effective February 14, 2000 in Case 99-G-1369. The Research and Development Surcharge will not be greater than the decrement in the Federal Energy Regulatory Commission Surcharge used to support Research and Development by the Gas Research Institute (GRI). The Research and Development Surcharge shall be effective on the first day of January of each year and shall be collected over the following twelve-month period. The Research and Development Surcharge effective after January 1, 2004 will not be greater than \$.0174 per dekatherm.
- 30.2 The effective rate shall be set forth on a statement and filed with the Public Service Commission apart from this rate schedule not less than three (3) days prior to the date on which the statement is proposed to be effective. Any funds collected through the surcharge mechanism that are not actually spent on Research and Development Programs, within twenty-four months after the end of each collection period, will be refunded to Firm Sales and Firm Transportation Customers.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 143 of 328

PSC NO: 219 GAS

LEAF: 122.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 11

INITIAL EFFECTIVE DATE:02/01/22

SUPERSEDING REVISION: 9

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**31. ENERGY EFFICIENCY PROGRAM CHARGES:**

31.1 Reserved for future use

31.2 Energy Efficiency Transition Implementation Plans (ETIP):

Beginning on April 1, 2018, the Company's gas energy efficiency costs (ETIP) will be recovered in the Company's base rates. Any over / under recovery of ETIP costs will be included in RDM reconciliations for Service Classifications 1, 2 and 7. All customers participating in the Excelsior Jobs Program pursuant to Rule 25 will be required to pay ETIP costs in addition to the EJP rates approved in each rate proceeding.

The Company will reconcile the actual gas ETIP revenues recovered from Service Classifications 5 and 8 to the amount included in rates over the term of the Rate Plan in Case 20-G-0381. At the end of June 2024, the Company will reconcile the difference, if any, and refund to or recover from customers the difference through Delivery Service Adjustments (adjusted at the other customer capital rate). The rate will appear on the Statement of Energy Efficiency Program Costs (ETIP) to be filed by Sept 15, 2024 to be effective October 1, 2024 applicable to Service Classifications 5 and 8.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 144 of 328

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022LEAF: 122.2
REVISION: 14
SUPERSEDING REVISION: 12**GENERAL INFORMATION****32. REVENUE DECOUPLING MECHANISM:**

- 32.1 Commencing with the 12-month period beginning July 1, 2021 and each subsequent 12-month period beginning July 1st thereafter, Service Classifications Nos. 1, 2, and 7 will be subject to an RDM to reconcile actual delivery service revenues to allowed delivered service revenues.
- 32.1.1 Actual Delivery Service Revenues (inclusive of Deferral Surcredits in Rule 41) are defined as revenues from delivery rates adjusted for the Weather Normalization Adjustment, excluding Gross Receipts Taxes, Merchant Function Charge Revenue, Net Revenue Sharing Surcharge/Credit Revenue, Research and Development Surcharge Revenue, Empire Zone Rider discounts, Excelsior Jobs Program revenue, System Benefits Charge Revenues, discounts and customer charges associated with the Low Income Program, System Performance Adjustment, Gas Safety and Reliability Surcharge, Earnings Adjustment Mechanism and all other applicable credits and surcharges.
- 32.1.2 Allowed Delivery Service Revenues (inclusive of Deferral Surcredits in Rule 41) will be developed using revenue per class ("RPC") targets, which are based upon the annual service classes and volume forecast underlying the rates adopted in Case 20-G-0381. The annual revenue per class targets are as follows:

Service Class	Effective 07/01/2021	Effective 07/01/2022	Effective 07/01/2023
SC 1 - Residential Heat and Non-Heat	\$302,050,626	\$322,310,057	\$337,493,219
SC 2 - Residential, Commercial and Industrial	\$63,113,672	\$67,969,126	\$71,620,877
SC 7 - Small Volume Firm Sales and Transportation	\$14,363,622	\$15,646,110	\$17,080,690

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 145 of 328

PSC NO: 219 GAS

LEAF: 122.3

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**32. REVENUE DECOUPLING MECHANISM: (continued)**

- 32.2.3 For existing customers participating in the Excelsior Jobs Program, only actual delivery service revenues associated with their non-EJP load will be included in the annual reconciliation.
- 32.2.4 The shortfall or excess will be refunded or surcharged to customers in each of the following groupings on a volumetric basis over the twelve-month period commencing the following October 1st.
1. SC 1 Residential Heat and Non-Heat
 2. SC 2 Residential, Commercial and Industrial
 3. SC 7 Small Volume Firm Sales and Transportation
- 32.2.5 The RPC effective rates shall be set forth on a statement and filed with the Public Service Commission on fifteen days' notice.
- 32.3 Any over/under collections at the end of each reconciliation period will include simple interest at the prevailing other customer capital rate issued by the Commission. All refunds or surcharges will be subject to reconciliation and included in the subsequent RDM reconciliation. The Company will combine any over/under recovery for the period April 1, 2021 through June 30, 2021 with over/under recoveries for the period July 1, 2021 to June 30, 2022.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 146 of 328

PSC NO: 219 GAS

LEAF: 122.4

NIAGARA MOHAWK POWER CORPORATION

REVISION: 16

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 15

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**33. MERCHANT FUNCTION CHARGE:**

The Merchant Function Charge consists of the following gas commodity related cost components:

- 1) Gas Supply Procurement Expenses
- 2) Commodity Related Credit and Collection Expenses
- 3) Commodity Related Uncollectible Expenses
- 4) Return Requirement on Gas Storage Inventory
- 5) Return Requirement on Working Capital for Purchased Gas

33.1 Calculation of Merchant Function Rate per Therm**33.1.1 Gas Supply Procurement Expenses****33.1.1.1 Effective February 1, 2022 and September 1, 2022**

33.1.1.1.1 Effective February 1, 2022, the total Gas Supply Procurement Expenses target for the 12-month period is set at \$673,406.
Effective September 1, 2022, the total Gas Supply Procurement Expenses target for the 12-month period is set at \$673,774

33.1.1.1.2 Applicable to SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers.

33.1.1.1.3 The per therm rate is determined for the 12-month period by dividing the annual target by the projected annual sales of the SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers.

33.1.1.1.4 Recoveries of the Gas Supply Procurement Expenses per therm rate for the period September 1, 2022 to August 31, 2023 will be reconciled to the \$673,774.

33.1.1.1.5 The resulting over or under collection (adjusted for simple interest at the Commission's other customer capital rate) will be divided by the projected annual sales of the SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers to determine the per therm credit or surcharge to be refunded or recovered over the 12-month period beginning January 1st through December 31 after the reconciliation period. The per therm refund or surcharge will be added to the Gas Supply Procurement Expenses per therm rate in effect at that time.

33.1.1.1.6 The Company will combine any over/under recovery for the period February 1, 2022 through August 31, 2022 with over/under recoveries for the period September 1, 2022 through August 31, 2023. The total over/under recovery amount (adjusted for simple interest at the Commission's other customer capital rate) will be credited or surcharged beginning January 1, 2024.

PSC NO: 219 GAS

LEAF: 122.4.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 9

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**33. MERCHANT FUNCTION CHARGE:** (continued)

33.1.1 Gas Supply Procurement Expenses (continued)

33.1.1.2 The resulting rate shall be filed on the Statement of Merchant Function Charge not less than two business days prior to the date on which the statement is proposed to be effective.

33.1.2 Commodity Related Credit and Collection Expenses

33.1.2.1 Effective February 1, 2022 and September 1, 2022

33.1.2.1.1 Residential Commodity Related Credit and Collection Expenses

33.1.2.1.1.1 Effective February 1, 2022 the target is set at \$664,226. Effective September 1, 2022 the target is set at \$664,334.

33.1.2.1.1.2 Applicable to SC No. 1 sales customers and Marketers participating in the Company's Purchase of Receivables program that serve SC No. 1MB transportation customers.

33.1.2.1.1.3 The per therm rate for September 1, 2022 is determined for 12-month period by dividing the \$664,334 target by the projected annual deliveries to the SC No. 1 sales customers and applicable SC No. 1MB transportation customers

33.1.2.1.1.4 Recoveries of the Residential Commodity Related Credit and Collection Expenses per therm rate for the period September 1, 2022 – August 31, 2023 will be reconciled to the \$664,334 target.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE:02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 122.5
REVISION: 15
SUPERSEDING REVISION: 14

GENERAL INFORMATION

33. MERCHANT FUNCTION CHARGE: (continued)

33.1.2 Commodity Related Credit and Collection Expenses (continued)

33.1.2.1.1.5 The resulting over or under collection (adjusted for simple interest at the Commission's other customer capital rate) will be divided by the projected annual sales of SC No. 1 sales customers and applicable SC No. 1MB transportation customers to determine the per therm credit or surcharge to be refunded or recovered over the 12-month period beginning January 1st through December 31st after the reconciliation period. The per therm credit or surcharge will be added to the Residential Commodity Related Credit and Collection Expenses per therm rate in effect at that time.

33.1.2.1.1.6 The Company will combine any over/under recovery for the period February 1, 2022 through August 31, 2022 with over/under recoveries for the period September 1, 2022 through August 31, 2023. The total over/under recovery amount (adjusted for simple interest at the Commission's other customer capital rate) will be credited or surcharged beginning January 1, 2024.

33.1.2.1.1 Non Residential Commodity Related Credit and Collection Expenses

33.1.2.1.2.1 Effective February 1, 2022, the target is set at \$30,195. Effective September 1, 2022, the target is set at \$30,361.

33.1.2.1.2.2 Applicable to SC Nos. 2, 5, 7, 8, 12 and 13 sales customers and Marketers participating in the Company's Purchase of Receivables program that serve the SC Nos. 2MB, 5, 7, 8, 12DB, 12MB and 13MB transportation customers.

33.1.2.1.2.3 The per therm rate for September 1, 2022 is determined for the 12-month period beginning September 1, 2022 by dividing the \$30,361 target by the projected annual sales of the SC Nos. 2, 3, 5, 7, 8, 12 and 13 sales customers and applicable SC Nos. 2MB, 5, 7, 8, 12DB, 12MB and 13MB, transportation customers.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 149 of 328

PSC NO: 219 GAS

LEAF: 122.5.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 9

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**33. MERCHANT FUNCTION CHARGE:** (continued)

33.1.2 Commodity Related Credit and Collection Expenses (continued)

33.1.2.1.2.4 Recoveries of the Non Residential Commodity Related Credit and Collection Expenses per therm rate for the period September 1, 2022 to August 31, 2023 will be reconciled to the \$30,361 annual target.

33.1.2.1.2.5 The resulting over or under collection (adjusted for simple interest at the Commission's other customer capital rate) will be divided by the projected annual deliveries to the SC Nos. 2, 5, 7, 8, 12 and 13 sales customers and the applicable SC Nos. 2MB, 5, 7, 8, 12DB, 12MB and 13MB transportation customers to determine a per therm credit or surcharge to be refunded or recovered over the 12-month period beginning January 1st through December 31st after the reconciliation period. The per therm credit or surcharge will be added to the Commodity Related Credit and Collection Expense per therm rate in effect at that time.

33.1.2.1.2.6 The Company will combine any over/under recovery for the period February 1, 2022 through August 31, 2022 with over/under recoveries for the period September 1, 2022 through August 31, 2023. The total over/under recovery amount (adjusted for simple interest at the Commission's other customer capital rate) will be credited or surcharged beginning January 1, 2024.

33.1.2.2 The Commodity Related Credit and Collection Expense rates shall be filed on the Statement of Merchant Function Charge not less than two business days prior to the date on which the statement is proposed to be effective.

33.1.3 Commodity Related Uncollectible Expenses

33.1.3.1 Effective February 1, 2022

33.1.3.1.1 Applicable to: 1) SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers and 2) Marketers participating in the Company's Purchase of Receivables program.

33.1.3.1.2 The Uncollectible Rate is set at: 1) 2.1% for SC Nos. 1 and 1MB and 2) 0.2% for SC Nos. 2, 2MB, 5, 5DB, 5 MB, 7, 7DB, 7MB, 8, 8DB, 12, 12DB, 12MB, 13 and 13MB.

PSC NO: 219 GAS

LEAF: 122.5.2

NIAGARA MOHAWK POWER CORPORATION

REVISION: 5

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 3

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**33. MERCHANT FUNCTION CHARGE: (continued)**

33.1.3 Commodity Related Uncollectible Expenses (continued)

33.1.3.2 Sales Customers taking service under SC Nos. 1, 2, 5, 7, 8, 12 and 13

33.1.3.2.1 The Commodity Related Uncollectible Expenses per therm rate is determined monthly for each sales class by multiplying: 1) the Monthly Cost of Gas calculated per Rule 17.3 and set forth on the Statement of Monthly Cost of Gas by; 2) the applicable Uncollectible Rate.

33.1.3.2.2 The resulting per therm rate will be filed on the Statement of Merchant Function Charge not less than two business days prior to the date on which the statement is proposed to be effective.

33.1.3.3 Marketers participating in the Company's Purchase of Receivables Program that serve SC Nos. 1MB, 2MB, 5 DB, 5MB, 7 DB, 7MB, 8 DB, 12DB, 12MB and 13MB transportation customers.

33.1.3.3.1 The applicable Uncollectible Rate will be applied as a discount to the Marketer's purchase of receivables.

33.1.4 Return Requirement on Gas Storage Inventory

33.1.4.1 Effective February 1, 2022

33.1.4.1.1 Applicable to SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers.

33.1.4.1.2 The Return Requirement on Gas Storage Inventory will be projected initially for the 12-month period starting February 1, 2022, then each subsequent 12-month period starting September 1, 2022 by multiplying: 1) the Pre-tax WACC defined in Rule 1.1 by; 2) the projected monthly average cost of storage inventory for the corresponding period.

33.1.4.1.3 The Return Requirement on Gas Storage Inventory per therm rate will be calculated by dividing the Return Requirement on Gas Storage Inventory by the projected sales of the SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers.

33.1.4.1.4 The Actual Return Requirement on Gas in Storage will be determined initially for the 12-month period starting February 1, 2022, then each subsequent 12-month period starting September 1, 2022 by multiplying: 1) the Pre-tax WACC defined in Rule 1.1 by; 2) the actual monthly average cost of storage inventory for the corresponding period.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 151 of 328

PSC NO: 219 GAS

LEAF: 122.6

NIAGARA MOHAWK POWER CORPORATION

REVISION: 12

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 10

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**33. MERCHANT FUNCTION CHARGE: (continued)**

- 33.1.4.1.5 Recoveries of the Return Requirement on Gas Storage Inventory per therm rate for the period September 1, 2022 to August 31, 2023 and each subsequent 12-month period ending August 31st thereafter will be reconciled to the Actual Return Requirement on Gas in Storage for the applicable period.
- 33.1.4.1.6 The resulting over or under collection (adjusted for simple interest at the Commission's other customer capital rate) will be divided by the projected sales of the SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers to determine a per therm credit or surcharge to be refunded or recovered over the 12-month period beginning January 1st through December 31st after the reconciliation period. The per therm credit or surcharge will be added to the Return Requirement on Gas Storage Inventory per therm rate in effect at that time.
- 33.1.4.1.7 The Company will combine any over/under recovery for the period February 1, 2022 through August 31, 2022 with over/under recoveries for the period September 1, 2022 to August 31, 2023. The total over/under recovery amount (adjusted for simple interest at the Commission's other customer capital rate) will be credited or surcharged beginning January 1, 2024.
- 33.4.4.1 The Return Requirement on Gas Storage Inventory per therm rate will be filed on the Statement of Merchant Function Charge not less than two business days prior to the date on which the statement is proposed to be effective.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 152 of 328

PSC NO: 219 GAS

LEAF: 122.6.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 6

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 4

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**33. MERCHANT FUNCTION CHARGE: (continued)**

33.1.5 Return Requirement on Working Capital for Purchased Gas

33.1.5.1 Effective February 1, 2022

33.1.5.1.1 The Return Requirement on Working Capital for Purchased Gas will be charged to SC Nos. 1, 2, 5, 7, 8, 12 and 13 sales customers.

33.1.5.1.2 The Return Requirement on Working Capital for Purchased Gas will be calculated monthly for each service class by multiplying: 1) the lead-lag rate defined in Rule 1.1 by; 2) the Pre-tax WACC defined in Rule 1.1 by; 3) the Monthly Cost of Gas calculated per Rule 17.3 and set forth on the Statement of Monthly Cost of Gas.

33.1.5.1.3 The Return Requirement on Working Capital for Purchased Gas per term rate will be filed on the Statement of Merchant Function Charge not less than two business days prior to the date on which the statement is proposed to be effective.

33.2 The sum of the rates calculated in accordance with Rules 33.1.1, 33.1.2, 33.1.3, 33.1.4 and 33.1.5 shall be filed on the Statement of Merchant Function Charge not less than two business days prior to the date on which the statement is proposed to be effective.

PSC NO: 219 GAS

LEAF: 122.7

NIAGARA MOHAWK POWER CORPORATION

REVISION: 11

INITIAL EFFECTIVE DATE:04/01/18

SUPERSEDING REVISION: 10

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

GENERAL INFORMATION

34. RESERVED FOR FUTURE USE

35. RESERVED FOR FUTURE USE

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE:01/16/18
STAMPS: Issued in compliance with order in Case No. 09-M-0311 dated December 19, 2017

LEAF: 122.8
REVISION: 7
SUPERSEDING REVISION: 6

GENERAL INFORMATION

36. NYSERDA LOAN INSTALLMENT PROGRAM

36.1 On August 4, 2011, the Power NY Act of 2011 was enacted which amends the Public Service Law to address the establishment of the Green Jobs-Green New York Program administered by the New York State Energy Research and Development Authority (“NYSERDA”) or its designated agent. This program provides for an on-bill recovery mechanism for certain qualified residential and non-residential customers to pay back loans for energy efficiency improvements approved and obtained through NYSERDA (“NYSERDA Loan Installment Program”). As set forth in this law, the Company will bill and collect NYSERDA Loan Installment amounts on a customer’s utility bill when notified by NYSERDA that these NYSERDA Loan Installments apply to the customer’s utility account. Unless otherwise precluded by law, participation in the NYSERDA Loan Installment Program shall not affect a customer’s eligibility for any rebate or incentive offered by the Company. In order to comply with the requirements set forth in the Power NY Act of 2011, the Company will provide NYSERDA, or its agents, certain customer information and take other actions for purposes of the NYSERDA Loan Installment Program. The Company will implement the NYSERDA Loan Installment Program no later than May 30, 2012.

36.1.1 All customer information released to NYSERDA by the Company will be considered confidential. Customers making application to NYSERDA under the NYSERDA Loan Installment Program will be required to provide consent for NYSERDA’s use of the customer’s utility account information. For premises with an outstanding NYSERDA Installment Loan, the Company will release to NYSERDA each successor customer’s information pursuant to the requirements of the Power NY Act of 2011.

36.1.2 The number of customers that may participate in the NYSERDA Loan Installment Program under this Rule will initially be limited to no more than one-half of one percent of the Company’s total 2011 customer population as reported to the Commission in the Company’s PSC Annual Report, as of December 31, 2011, on a first-come, first-served basis.

36.2 NYSERDA will have direct responsibility for advising the Company of the NYSERDA Loan Installment amount and loan term in months to be billed for each customer NYSERDA has advanced monies under the NYSERDA Loan Installment Program. The responsibility of the Company is limited to providing billing and collection services for NYSERDA. Such billing and collection services will be available regardless of whether the electricity or gas delivered by the Company is the customer’s primary energy

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 122.9
REVISION: 3
SUPERSEDING REVISION: 2

GENERAL INFORMATION

source. The Company will commence charging the NYSEDA Loan Installment on the customer's next cycle bill for utility service after notification by NYSEDA, if practical, but not later than the second billing cycle after receipt of the notification. For each monthly period billed, the Company will include the monthly NYSEDA Loan Installment amount until the NYSEDA Loan Installment obligation is satisfied or the account is closed. A monthly billing period will be defined as any billing period of not less than twenty-five calendar days.

- 36.2.1 Only one NYSEDA Loan Installment obligation can exist on a customer's utility account. Should the customer enter into an additional NYSEDA Loan Installment agreement, NYSEDA will replace the current NYSEDA Loan Installment on the account with a new consolidated NYSEDA Loan Installment and notify the Company of the new NYSEDA Loan Installment amount and corresponding NYSEDA Loan Installment term in months.
- 36.3 NYSEDA Loan Installment payments will be paid to the Company with the customer's regular cycle utility service bill.
 - 36.3.1 Bills are due and payable when rendered. Full payment of the utility charges must be received by the Company on or before the date shown on the bill to avoid a potential late payment charge.
 - 36.3.2 If less than the total monthly bill amount inclusive of the NYSEDA Loan Installment amount is remitted by the customer, the partial payment will first be applied to the customer's utility charges and any remaining amount will be applied to the NYSEDA Loan Installment amount.
 - 36.3.3 If more than the total monthly bill amount inclusive of the NYSEDA Loan Installment amount is remitted by the customer to the Company, the Company will apply the overpayment first to subsequently billed electric and/or gas charges and then to NYSEDA Loan Installment amounts as they are billed.

For a customer participating in Budget Billing, payment shall be applied to the monthly budget amount for electric and/or gas charges and any remaining amount is then applied to the billed NYSEDA Loan Installments.

- 36.3.3.1 The Company will not apply payments that are more than the total amount due for utility charges and the NYSEDA Loan Installment amount as a prepayment of future NYSEDA Loan Installment amounts or as full payment of the NYSEDA Loan Installment obligation. Customers must arrange with NYSEDA or its designated agent for any NYSEDA Loan Installment prepayments or to satisfy the NYSEDA Loan amount in full.
 - 36.3.3.2 The Company will not provide interest on overpayments of NYSEDA Loan Installment amounts.
 - 36.3.4 The rights and responsibilities of residential customers participating in the NYSEDA Loan Installment Program are governed by the provisions of Article 2 of the Public Service
Issued By: Kenneth D. Daly, President, Syracuse, NY

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/01/12

LEAF: 122.10
REVISION: 2
SUPERSEDING REVISION: 1

GENERAL INFORMATION

Law. NYSERDA Loan Installment amounts will be subject to all other provisions and charges in this Rate Schedule including: 1) collection, reconnection and dishonored checks; 2) deferred payment agreement; and 3) termination/disconnection and reconnection of services except for the late payment charge provision. NYSERDA Loan Installment amounts will not be subject to the Increase in Rates and Charges pursuant to General Information Rule 19.

36.3.4.1 Occupants of multiple dwellings and two-family dwellings that assume responsibility for making utility payments in accordance with Public Service Law §§ 33 and 34 and 16 NYCRR 11.7 and 11.8 shall not be required to assume the NYSERDA Loan Installment amounts and such arrears and/or prospective amounts shall remain the responsibility of the incurring customer.

36.4 In the event that the NYSERDA Loan Installment is in arrears and not satisfied when a customer's utility account is closed, billed NYSERDA Loan Installment amounts may be transferred to the customer's new utility account in accordance with the requirements of Public Service Law § 31 and all other applicable provisions set forth in this Rate Schedule.

36.4.1 If the customer does not establish a new account with the Company within 45 calendar days after the customer's utility account is closed, NYSERDA will assume the responsibility for the collection of arrears for the NYSERDA Loan Installment.

36.5 The NYSERDA Loan Installment obligation shall survive changes in ownership, tenancy, and meter account responsibility at the premises where the energy efficiency measures were installed unless such obligation has been fully satisfied. In the event that the NYSERDA Loan Installment obligation has not been satisfied and a successor utility account is opened for the same premises' meter, the Company will provide to NYSERDA, or its agents, successor customer information. Prior to the Company establishing NYSERDA Loan Installment payments on a successor utility account, NYSERDA must provide supporting information to the Company for establishing such payments. All relevant sections of this Rule 36 will apply to the successor utility account holder.

36.6 At least annually, the Company will provide customers participating in the NYSERDA Loan Installment Program the following information:

36.6.1 The amount and duration of remaining installments under the NYSERDA Loan Installment Program.

36.6.2 NYSERDA's contact information and procedures for resolving customer complaints regarding the NYSERDA Loan Installment Program.

36.7 Customers must direct any questions or billing disputes regarding the NYSERDA Loan Installment Program directly to NYSERDA or its designated agent.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 122.11
REVISION: 0
SUPERSEDING REVISION:

GENERAL INFORMATION

37. SERVICE GUARANTEE

- 37.1 The Company will provide a service guarantee for missed appointments made at the customer's request. If the Company does not keep an appointment within the scheduled timeframe, \$30 will be credited to the customer's next bill. Service guarantees will not apply to appointments made for the same day the customer requests service or if events beyond the Company's control (i.e. severe weather) prevent the Company from keeping the scheduled appointment.

PSC NO: 219 GAS

LEAF: 122.12

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 01/17/22

SUPERSEDING REVISION: 1

STAMPS: Issued in Compliance with Order in Case 20-M-0082 issued November 18, 2021

GENERAL INFORMATION**38. COMMUNITY CHOICE AGGREGATION (“CCA”) PROGRAM**

38.1 A CCA Program allows municipalities (villages, towns and cities) to aggregate the usage of eligible CCA customers (residential and small non-residential customers) within a defined jurisdiction in order to secure an alternative energy supply contract on a community-wide basis.

38.1.1 In accordance with Order issued in Case 14-M-0224, before requesting customer data from the Company for participation in a CCA Program, the municipality or their designee (CCA Administrator or ESCO) must:

- (a) sign a data security agreement acceptable to the Company, and
- (b) have an approved implementation and data protection plan and certification of local authorization approved by the NYS PSC.

38.1.2 Upon fulfilling the requirements in Rule 38.1.1, the Company will provide the following information to the municipality or their designee in accordance with the terms stated herein.

(a) Aggregated customer data, including the number of customers by service class, the aggregated peak demand (therms) by month for the past 12 months by service class if applicable, and the aggregated energy (therms) by month for the past 12 months by service class. This information will be provided to the municipality or CCA Administrator within twenty days of a request. The Company will notify the requesting party if data for any service class that the Company contains so few customers, or in which one customer makes up a large portion of the load, such that the aggregated information does not pass the relevant aggregation privacy standard. The Company will work with the requestor to revise the request in order to address the identified reason(s) such as expanding the geographic area included in the request or combining customer classes or other means. The charge for the above aggregated data in (a) will be provided without charge.

(b) After each municipality has entered into a CCA contract with an ESCO, the Company shall transfer customer-specific data to the municipality or CCA Administrator within five days of receipt of a request to support the mailing of opt-out notices. The data shall include all customers in the municipality eligible for opt-out treatment based on the CCA and the requirements of the April 21, 2016 Order issued in Case 14-M-0224. The data should include:

- 1) Customer of record's name
- 2) Mailing Address
- 3) Primary Language (if available from the Company's billing system)
- 4) Any customer-specific alternate billing name and address

(c) After the opt-out process has been completed, the Company shall transfer account numbers for eligible customers that did not opt-out to the ESCO providing service within five days of receipt of a list of customers that opted out. These account numbers may be transmitted via electronic mail in secured, encrypted spreadsheets, through access to a secure website, or through other secure methods of transfer. The above data described in (b) and (c) will be provided without charge.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

PSC NO: 219 GAS

LEAF: 122.13

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 01/06/18

SUPERSEDING REVISION:

STAMPS: Issued in Compliance with Order in Cases 17-M-0315, 16-M-0411, 14-M-0224, issued December 14, 2017

GENERAL INFORMATION

38. COMMUNITY CHOICE AGGREGATION (“CCA”) PROGRAM (continued)

(d) Upon request by the municipality or CCA Administrator the Company will transfer the customer data in (b) to the requestor within five days of the request for CCA eligible customers that became customers of the Company since the last eligible customer list was provided and were not on a previous eligible for opt-out list. After the opt-out process has been completed for those customers, the Company will provide account numbers for customers that did not opt-out as described in (c). These eligible customer update lists will be provided without charge.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 160 of 328

PSC NO: 219 GAS

LEAF: 122.14

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 0

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**39. Gas Safety and Reliability Surcharge**

- 39.1 The Gas Safety and Reliability Surcharge (“GSRs”) allows the Company to recover (i) the cost to replace incremental leak prone pipe (“LPP”).
- 39.2 The surcharge will be calculated by first allocating the return on investment and depreciation expense associated with incremental LPP investment and leak repair costs to each firm service class by forecast delivery revenues established in the Joint Proposal in Case 20-G-0381, then developing a per therm rate. The GSRs will be reconciled annually and included in the DSA recovered from SC 1, 2, 5, 7, 8, 12 and 13 firm sales and firm transportation customers beginning the following November 1st (adjusted for the Company’s pre-tax WACC defined in Rule 1.1). The GSRs will appear on the Statement of Gas Safety and Reliability Surcharge to be filed not less than three (3) days prior to the effective date.

40. Earnings Adjustment Mechanism

- 40.1 The Earnings Adjustment Mechanism (“EAM”) allows the Company to recover earned gas EAM positive revenue adjustments through an EAM surcharge over the twelve months (adjusted for the Company’s pre-tax WACC defined in Rule 1.1).
- 40.2 The per Therm rate will be calculated by allocating the earned incentives to SC 1, 2, 5, 7, 8, 12 and 13 firm sales and firm transportation customer service classes. The Company will allocate:
- (i) Gas Peak Reduction EAM revenue based on percentage of peak sendout
 - (ii) Gas Energy Efficiency Share-the-Savings and Low-to-Moderate Income Energy Efficiency Customer Savings EAM revenue based on percentage of firm gas deliveries

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 161 of 328

PSC NO: 219 GAS

LEAF: 122.14.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION:

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**40. Earnings Adjustment Mechanism (continued)**

40.3 The EAM Allocators are as follows:

	Share the Savings & LMI Customer Savings	Peak Load Reduction
Service Class:	% of gas deliveries:	% of peak sendout:
SC-1 Residential	48.5336%	59.3102%
SC-2 Small General	17.3094%	20.1668%
SC-5 Firm Gas Sales and Transportation	5.0677%	2.7011%
SC-7 Small Firm Gas Sales and Transportation	7.7898%	7.9620%
SC-8 Gas Sales and Transportation with Standby Sales	20.0780%	9.4005%
SC-12 Distributed DG Non-Residential	1.2212%	0.4590%
SC-13 DG Residential	0.0003%	0.0004%

40.4 Empire Zone Rider qualifying load and Excelsior Jobs Program qualifying load will not be subject to the EAM.

40.5 The EAM will appear on the Statement of Earnings Adjustment Mechanism to be filed within fifteen (15) days of the effective date.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 162 of 328

PSC NO: 219 GAS

LEAF: 122.15

NIAGARA MOHAWK POWER CORPORATION

REVISION: 7

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**41. DEFERRAL SURCREDIT**

- 41.1 Pursuant to the order of the Public Service Commission ("Commission") dated in Case 20-G-0381, the Company was directed to establish a surcredit for its deferral accounts. The Deferral Surcredits listed by service classification are included in each of the service classifications stated per therm charge as applicable effective February 1, 2022. The Deferral Surcredit will not be allocated to load served at EZR or EJP rates.

	<u>Surcredit</u>
<u>Service Classification No. 1</u>	
Next 47 Therms, per Therm	(\$0.01459)
Over 50 Therms, per Therm	(\$0.00316)
<u>Service Classification No. 2</u>	
Next 277 Therms, per Therm	(\$0.00000)
Next 4,720 Therms, per Therm	(\$0.00000)
Over 5,000 Therms, per Therm	(\$0.00000)
<u>Service Classification No. 5</u>	
Over 100 Therms, per Therm	(\$0.00115)
<u>Service Classification No. 7</u>	
Next 400 Therms, per Therm	(\$0.03204)
Next 1,700 Therms, per Therm	(\$0.02410)
Over 4,200 Therms, per Therm	(\$0.00993)
<u>Service Classification No. 8</u>	
Next 99,900 Therms, per Therm	(\$0.00172)
Next 400,000 Therms, per Therm	(\$0.00162)
Over 500,000 Therms, per Therm	(\$0.00139)
<u>Service Classification No. 12 (Less Than 250,000 Therms)</u>	
Over 3 Therms, per Therm (Apr – Oct)	(\$0.00059)
Over 3 Therms, per Therm (Nov – Mar)	(\$0.00211)
<u>Service Classification No. 12 (250,000 to 1,000,000 Therms)</u>	
Over 3 Therms, per Therm (Apr – Oct)	(\$0.00126)
Over 3 Therms, per Therm (Nov – Mar)	(\$0.00123)
<u>Service Classification No. 12 (1,000,000 to 2,500,000 Therms)</u>	
Next 499,900 Therms, per Therm (Apr – Oct)	(\$0.00120)
Next 499,900 Therms, per Therm (Nov – Mar)	(\$0.00155)
Over 500,000 Therms, per Therm (Apr – Oct)	(\$0.00103)
Over 500,000 Therms, per Therm (Nov – Mar)	(\$0.00133)
<u>Service Classification No. 12 (Greater than 2,500,000 Therms)</u>	
Over 3 Therms, per Therm (Apr – Oct)	(\$0.00018)
Over 3 Therms, per Therm (Nov – Mar)	(\$0.00013)
Demand Charge Per Therm of MPDQ	(\$0.01857)
<u>Service Classification No. 13</u>	
Over 3 Therms, per Therm	(\$0.01610)

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 163 of 328

PSC NO: 219 GAS

LEAF: 122.16

NIAGARA MOHAWK POWER CORPORATION

REVISION: 0

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION:

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**42. Non-Pipe Alternatives Cost Recovery Mechanism**

- 42.1 The Non-Pipe Alternatives Cost Recovery Mechanism (“NPA”) allows the Company to add a cost recovery mechanism consistent with the ‘Report of Niagara Mohawk Power Corporation d/b/a National Grid Concerning the Non-Pipeline Alternatives Incentive Mechanism Collaborative’ filed December 21, 2018 in Case 17-G-0239.
- 42.2 NPA Incentive Mechanism will be allocated to each service class based on the type of traditional gas project the NPA would defer, using the following allocators: (1) Peak Sendout for projects that defer the need for infrastructure designed to meet the peak day demand; and (2) Total Gas Deliveries for projects that defer the need for infrastructure designed to meet daily demands.
- 42.3 The per Therm rate will be calculated by allocating the NPA Incentive Mechanism to SC 1, 2, 5, 7, 8, 12 and 13 firm sales and firm transportation customers including NYSEG (adjusted for the Company’s pre-tax WACC defined in Rule 1.1). The NPA will appear on the Statement of Non-Pipe Alternatives Cost Recovery Mechanism to be filed not less than three (3) days prior to the effective date.
- 42.4 The NPA will be included in the Delivery Service Adjustment Statement (“DSA”).

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 164 of 328

PSC NO: 219 GAS

LEAF: 122.17

NIAGARA MOHAWK POWER CORPORATION

REVISION: 0

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION:

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**43. Net Utility Plant and Depreciation Expense Reconciliation Mechanism Surcharge (“NUP”)**

- 43.1 If the Company does not file for new rates to be effective on or before July 1, 2024, the NUP Surcharge will recover costs related to the Net Utility Plant and Depreciation Expense Reconciliation Mechanism as described in the Joint Proposal approved in Case 20-G-0381. The surcharge will recover the pre-tax revenue requirement associated with net utility plant and depreciation levels to the extent they exceed the level of net utility plant and book depreciation expense reflected in base delivery rates.
- 43.2 The amount to be recovered shall be allocated to all firm and non-firm service classifications based on the Net Plant Allocator in the Company’s most recent rate case, as provided below:

<u>Service Class</u>	<u>Net Plant Allocator</u>
SC-1 Residential	76.16%
SC-2 Small General	14.90%
SC-5 Firm Gas Sales and Transportation	1.18%
SC-7 Small Firm Gas Sales and Transportation	3.48%
SC-8 Gas Sales and Transportation with Standby Sales	3.97%
SC-12 Distributed DG Non-Residential	0.19%
NYSEG	0.12%

- 43.3 The NUP Reconciliation Surcharge will be included in the Delivery Service Adjustment Statement (“DSA”) for customers served under SC 1, 2, 5, 7, 8 and 12 firm sales and firm transportation customers including NYSEG, based on net plant allocator, adjusted for pre-tax WACC.
- 43.4 The NUP Surcharge will be subject to a true-up, with any over/under collection at the end of the annual collection period, inclusive of carrying charges at the Company’s pre-tax WACC, to be included in the balance for refund or recovery in the next annual period, or in future base delivery rates as applicable.
- 43.5 The NUP will appear on the Statement of Net Utility Plant & Depreciation Expense Reconciliation Mechanisms to be filed with the Public Service Commission apart from this rate schedule not less than fifteen (15) days prior to its effective date.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 165 of 328

PSC NO: 219 GAS

LEAF: 122.18

NIAGARA MOHAWK POWER CORPORATION

REVISION: 0

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION:

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**44. Incremental Energy Efficiency Surcharge**

44.1 The Incremental Energy Efficiency Surcharge (“IEE”) allows the Company to implement a surcharge during the Stayout Period. If the Company does not file for new rates to be effective on or before July 1, 2024, the Incremental NE:NY Surcharge will recover the difference of any Commission-approved New Efficiency: New York (“NE:NY”) Budget (or other approved energy efficiency programs) less the forecast of Commission-approved NE:NY energy efficiency budgets in the nine months ending March 31, 2025 (“Stayout Period”) as described in the Joint Proposal as approved in Case 20-G-0381.

44.2 The amount to be recovered shall be allocated to applicable service classifications based on the Energy Efficiency Program Costs (“ETIP”) Allocator in the Company’s most recent rate case as provided below:

<u>Service Class</u>	<u>ETIP Allocator</u>
SC-1 Residential	49.02%
SC-2 Small General	17.48%
SC-5 Firm Gas Sales and Transportation	5.12%
SC-7 Small Firm Gas Sales and Transportation	7.87%
SC-8 Gas Sales and Transportation with Standby Sales	20.28%
NYSEG	0.24%

44.3 The per therm rate (adjusted for pre-tax WACC) will appear on the Statement of Incremental Energy Efficiency Surcharge for SC 1, 2, 5, 7 and 8 firm sales and firm transportation customers including NYSEG to be filed not less than fifteen (15) days prior to the effective date.

44.4 The Incremental NE:NY Surcharge will be subject to a true-up, with any over/under collection at the end of the collection period, inclusive of carrying charges at the Company’s pre-tax WACC, to be included in the balance for refund or recovery in the next annual period, or in future base delivery rates as applicable.

44.5 The IEE will be included in the Delivery Service Adjustment Statement (“DSA”).

PSC NO: 219 GAS

LEAF: 122.19

NIAGARA MOHAWK POWER CORPORATION

REVISION: 0

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION:

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

GENERAL INFORMATION**45. Delivery Service Adjustments**

- 45.1 The Delivery Service Adjustment (“DSA”) will apply to all customers being served under SC 1, 2, 5, 7, 8, 12, 13 firm sales and firm transportation customers, including NYSEG. The DSA will appear as a separate line item on the customer’s bill.
- 45.2 Where applicable, the DSA will consists of the following for firm sales and firm transportation:
1. Net Revenue Sharing Adjustment as explained in General Information Rule No. 26.
 2. Research and Development Surcharge as explained in General Information Rule No. 30.
 3. Revenue Decoupling Mechanism Adjustment as explained in General Information Rule No. 32.
 4. Gas Safety and Reliability Surcharge as explained in General Information Rule No. 39.
 5. Earnings Adjustment Mechanism as explained in General Information Rule No. 40.
 6. Non-Pipe Alternatives Cost Recovery Mechanism as explained in General Information Rule No. 42.
 7. Net Utility Plant and Depreciation Expense Reconciliation Mechanism Surcharge as explained in General Information Rule No. 43.
 8. Incremental Energy Efficiency Surcharge as explained in General Information Rule No. 44.
 9. ETIP reconciliation as explained in General Information Rule No. 31.2.
- 45.3 In addition, where applicable, customer taking firm transportation service shall be subject to:
1. System Performance Adjustment as explained in General Information Rule No. 17.1.6.
 2. Annual Transportation Imbalance Surcharge or Refund as explained in General Information Rule 17.6.
 3. ETIP reconciliation as explained in General Information Rule No. 31.2.
- 45.4 The DSA for NYSEG will consists of:
1. Net Utility Plant and Depreciation Expense Reconciliation Mechanism Surcharge as explained in General Information Rule No. 43.
 2. Incremental Energy Efficiency Surcharge as explained in General Information Rule No. 44
- 45.5 Each element in the Delivery Service Adjustments (“DSA”) will appear on the Statement of Delivery Service Adjustments to be filed not less than three (3) days prior to the effective date.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 123
REVISION: 0
SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 1
RESIDENTIAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
RESIDENTIAL DELIVERY SERVICE ONLY**

APPLICABLE TO USE OF SERVICE FOR:

1. Residential purposes, in an individual residence and in an individual flat or individual apartment in a multiple family dwelling.
2. Residential purposes in a rooming house where not more than four rooms are available for rent.
3. Any premise owned or leased by any not-for-profit corporation, association or body organized and conducted in good faith for religious purposes and used primarily or principally in connection with such religious purposes as required by Public Service Law, Section 76, See Special Provision 5 of this Service Classification.
4. Space heating and/or water heating in a two-family or three-family dwelling when the piping is arranged for supply of service through a single meter of one of the apartments or through a separate meter.
5. Space heating and/or water heating in a building housing not more than two one-family residential units and a commercial undertaking when that portion of the building used for residential purposes shall be in excess of 50 percent of the cubical content of the building and when the piping is arranged for supply of service through a single meter of one of the apartments or through a separate meter.
6. Use primarily and principally in connection with a community residence as defined in subdivision twenty-eight, twenty-eight-a, or twenty-eight-b of Section 1.03 of the Mental Hygiene Law and as required by Public Service Law, Section 76, provided that such facility is operated by a not-for-profit corporation and are either (1) a "supervised living facility" (as defined in the Mental Hygiene Law) providing twenty-four hour per day on-site supervision and living accommodations for 14 or fewer residents; or (2) a "supportive living facility" (as defined in the Mental Hygiene Law) providing supervised independent living without twenty-four hour per day on-site supervision.
7. Any post or hall owned or leased by a not-for-profit organization that is a veterans' organization.

CHARACTER OF SERVICE:

Customers Purchasing Gas Supply from Niagara Mohawk:

Continuous. Natural gas or a mixture of natural gas and other gas of not less than 1000 British Thermal Units per cubic foot.

Customers Purchasing Gas Supply from an Alternate Supplier:

Transportation of customer-owned, pipeline quality, natural gas will be on a firm basis from a receipt point within the Company's service territory to which this Schedule applies to the facilities at the customer's existing delivery point, as specified in the customer's Application for Firm Transportation Service. Delivery of customer-owned gas will be at a pressure approved by the Company. Customer-owned gas to be transported by the Company must be of pipeline quality having a minimum BTU value of 1000 BTU per cubic foot on a dry basis. The gas quality must meet the Public Service Commission's rules and regulations regarding concentrations of hydrogen sulfide, total sulfur and ammonia. Filtration of dust and liquid hydrocarbons, and water removal will be required.

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE:02/01/22

LEAF: 124
 REVISION: 25
 SUPERSEDING REVISION: 24

STAMPS: Issued in compliance with order in Case No. 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 1
 RESIDENTIAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
 RESIDENTIAL DELIVERY SERVICE ONLY (CONTINUED)**

MONTHLY DELIVERY SERVICE RATES: (See Special Provisions)

All Customers, as described above:

	<u>Delivery Service Rate</u>
First 3 Therms or less	\$20.75
Next 47 Therms, per Therm	\$0.56866
Over 50 Therms, per Therm	\$0.12332

The volumetric rates above are inclusive of the Deferral Surcredit as explained in General Information Rule No. 41.

MONTHLY MINIMUM DELIVERY SERVICE CHARGE:

The monthly minimum delivery service charge is \$20.75 for all customers with the exception of customers participating in the Company's Energy Affordability Program. Customers participating in the Company's Energy Affordability Program will be eligible for a credit as stated on the Statement of Energy Affordability Credit and per Special Provision No. 6 on Leaf No. 127.1.

In addition to the minimum charge, customers may be required to pay a surcharge when service is taken from a main extension constructed in accordance with Rule 10, **GENERAL INFORMATION**.

MONTHLY COST OF GAS:

In addition to the above delivery service charges, customers purchasing their Gas Supply Service from the Company will pay the Monthly Cost of Gas per therm of gas supplied hereunder as explained in Rule 17 of this schedule.

MERCHANT FUNCTION CHARGE:

Customers purchasing their Gas Supply Service from the Company will be subject to a Merchant Function Charge hereunder as explained in General Information Rule 33 of this schedule.

DELIVERY SERVICE ADJUSTMENTS:

All customers taking service under this service classification shall be subject to Delivery Service Adjustments as explained in Rule 45.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22

LEAF: 125
REVISION: 8
SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 1
RESIDENTIAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
RESIDENTIAL DELIVERY SERVICE ONLY (CONTINUED)**

STATEMENT OF TRANSPORTATION RATES:

All surcharges or refunds applicable to billings for Service Classification Nos. 1, 2, 5, 6, 7, 8, 9, 12 and 13 will be filed with the Public Service Commission apart from this rate schedule not less than two (2) days prior to the first of each month. Such statement will be available on the Company's website at www.nationalgridus.com

BALANCING:

Customers not purchasing their gas supply from Niagara Mohawk will be subject to Monthly Balancing under Service Classification No. 11 - Load Aggregation.

BTU ADJUSTMENT:

Volumes of gas registered at the customer's meter, in CCF, will be adjusted for BTU content, in Therms, as stated in Rule 14.3.

INCREASE IN RATES AND CHARGES:

The rates and charges under this service classification will be increased by a tax factor pursuant to Rule 19.

TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 1/2%) pursuant to Rule 15.2.

TERM:

One month and continuing thereafter until terminated by providing forty-eight hours' notice to the Company. For customers switching energy suppliers, the request shall be submitted to the Company not later than 10 calendar days prior to the month service is to commence. The actual switch will then occur on the customer's regular meter reading date.

SPECIAL PROVISIONS APPLICABLE TO BOTH DELIVERY SERVICE ONLY AND CUSTOMERS ALSO PURCHASING GAS SUPPLY FROM NIAGARA MOHAWK:

1. Written application may be required. See Paragraph 2.1 of Rules and Regulations.
2. Whenever service is supplied where extension of distribution main facilities for service is requested, construction will be in accordance to Rule 10 of this schedule.
3. Customers converting to gas space heating without complying with the Company's minimum insulation requirements, Rule 4.10.3, or found in non-compliance with the appropriate minimum insulation requirements for new dwellings Rule 4.10.2, will be required to pay a surcharge of 25 percent of their total bill for electric and/or gas services. Refer to Rules 4.10.2.5 or 4.10.3.4, Penalties for Non-compliance, for the application of the surcharge.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 126
REVISION: 0
SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 1
RESIDENTIAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
RESIDENTIAL DELIVERY SERVICE ONLY (CONTINUED)**

**SPECIAL PROVISIONS APPLICABLE TO BOTH DELIVERY SERVICE ONLY AND CUSTOMERS
ALSO PURCHASING GAS SUPPLY FROM NIAGARA MOHAWK: (continued)**

4. Budget bills will be computed in accordance with Rule 15.7.6.
5. The residential rate is applicable to use of service for use predominantly or primarily in connection with religious purposes by corporations or associations organized and conducted in good faith for religious purposes, in accordance with Company policies and procedures.
 - A. Religious Purpose:

The organization shall have a fundamental religious purpose and the property shall be used primarily in support of its purpose.
 - B. Evidence of Eligibility:

Qualifying religious organizations are eligible for the residential rate. In order to be a qualified religious organization, the organization shall submit evidence of eligibility, which may include any of the following: copies of articles of incorporation as religious corporations, charters, letters from recognized religious organizations, eligibility designations from the Internal Revenue Service and other documentation of the religious nature of the organization.

The Company shall not require proof of tax-exempt status as a condition for a religious organization or body to receive the rates under this Service Classification, although a tax-exempt certificate can be supplied and accepted as supplement to the customer's proof of eligibility. A Company representative(s) interview with the religious organization representative(s) or observations of the organization's activities may also supplement proof of eligibility.
 - C. Religious and Non-Religious Use:

Gas will not be supplied under this Service Classification unless the predominant use of the premises is to carry out religious purposes and/or is reasonably incidental to the religious purposes.

Where religious activities and/or activities which are reasonably incidental to the religious purpose take place in the same metered facility with, and share the same space with activities that are neither religious nor reasonably incidental to religious purposes, a predominant use calculation may be employed to determine whether the predominant use of the space is for religious (or reasonably incidental) purposes, as opposed to other purposes, and to determine the applicability of this rate.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/01/18
STAMPS: Issued in compliance with order in Case No.14-M-0565 dated February 17, 2017

LEAF: 127
REVISION: 3
SUPERSEDING REVISION: 2

SERVICE CLASSIFICATION NO. 1
RESIDENTIAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
RESIDENTIAL DELIVERY SERVICE ONLY (CONTINUED)

SPECIAL PROVISIONS APPLICABLE TO BOTH DELIVERY SERVICE ONLY AND CUSTOMERS ALSO
PURCHASING GAS SUPPLY FROM NIAGARA MOHAWK: (continued)

C. Religious and Non-Religious Use: (continued)

1. Where non-religious uses (meaning use which is neither for religious nor for reasonably incidental purposes) are found to predominate, and such uses can be physically segregated and separately metered and billed from the religious use, the portion of the premises involving religious uses will, provided the customer elects to make the necessary piping changes that are the customer's responsibility, receive service under this Service Classification and the portion of the premises involving non-religious uses will receive service under the appropriate non-residential Service Classification.
2. Where non-religious uses predominate and such uses cannot be physically segregated and separately metered and billed, the entire premise will receive service under the appropriate non-residential Service Classification.

D. Non-Qualifying Uses:

Certain uses by religious organizations are typically not eligible for the residential rate, including but not limited to:

1. Colleges or Universities
2. Nursing Schools or Medical Schools
3. Hospitals
4. Nursing and Adult Homes
5. Recreational Facilities, Health Clubs or Physical Fitness Facilities
6. Publication of Religious Literature and Supplies
7. Bookstores
8. Stores for Sale of Religious Articles or Sacramental Wines
9. Lodging Homes or Quarters, unless otherwise applicable under S.C. 1
10. Radio or Television Stations
11. Clothing Stores, Thrift Stores or Donation Centers
12. Separately Metered Child Care Facilities

Issued By: Kenneth D. Daly, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 172 of 328

PSC NO: 219 GAS

LEAF: 127.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 4

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 3

STAMPS: Issued in Compliance with Order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 1
RESIDENTIAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
RESIDENTIAL DELIVERY SERVICE ONLY (CONTINUED)**

- 6. Applicants for this rate must be the customer of record and provide proof of current enrollment at the time of application in one of the following programs: Temporary Assistance for Needy Families (Family Assistance), Safety Net Assistance – Public Assistance Supplemental Security Income (SSI), Medicaid, SNAP (Food Stamps), Low Income Home Energy Assistance Program (LIHEAP), Veteran's Disability Pension, Veteran's Surviving Spouse Pension, Child Health Plus or the Federal Lifeline Program or any public assistance programs that would qualify under the Federal Lifeline Program.

The Energy Affordability Program consists of tiered discounts based on the level of need, with the level of need demonstrated by receipt of a Home Energy Assistance Program (“HEAP”) grant and receipt of any HEAP “add-on” benefits, or receipt of DSS Direct Voucher/Guarantee. The tiers are described below:

Regular, Emergency HEAP Payment, Non-utility HEAP, Self-Identified or File Match	Tier 1
Regular HEAP Payment plus 1 add-on	Tier 2
Regular HEAP Payment plus 2 add-ons	Tier 3
DSS Direct Voucher/Guarantee	Tier 4

Customers will be enrolled into the program when the Company receives a HEAP benefit; when the customer is identified through the Office of Temporary and Disability Assistance (“OTDA”) non-utility file matching mechanism; when OTDA (DSS) notifies the Company that the customer is a recipient of Direct Voucher/Guarantee; or when a customer self identifies and provides documentation of a HEAP benefit paid to another vendor or utility and not matched through OTDA’s file matching.

Once enrolled, customers with no arrears will be automatically enrolled in the Company’s Monthly Budget Plan as set forth in Special Provision B of this service classification. Customers will be allowed to “opt out” of the Monthly Budget Plan.

The amount of each tier’s credit can be found on the Statement of Energy Affordability Credit (“EAC”). With the exception of the February 1, 2022 update, the Company will file on an annual basis, the Statement of Energy Affordability Credit on November 1st to become effective December 1st. In addition, any time the Company makes the first tariff compliance filing for a new rate plan, the Company will include an updated Statement of Energy Affordability Credit.

PSC NO: 219 GAS

LEAF: 128

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 05/20/09

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 08-G-0609 dated 05/15/09.

**SERVICE CLASSIFICATION NO. 1
RESIDENTIAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
RESIDENTIAL DELIVERY SERVICE ONLY (CONTINUED)**

SPECIAL PROVISIONS APPLICABLE TO DELIVERY SERVICE ONLY CUSTOMERS:

1. Full cooperation is required from customer and Company's gas supplier so that the Company may accurately determine the quantities of customer-owned gas delivered into the Company's distribution system by the customer and those quantities of customer-owned gas actually transported to the customer by the Company.
2. As between the Company and the customer, the Company shall be deemed to be in control and possession of the gas to be transported hereunder upon receipt of such gas at the receipt point and until it has been delivered to the customer. The customer shall be deemed to be in possession and control of the gas prior to such receipt by the Company and after such delivery.
3. The Company reserves the right to reject any application for service under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its pipeline supplier(s), impair or interfere with the Company's operations, or impose costs in excess of those subject under these rates.
4. Customers participating in Monthly Balancing must pay a stand-by charge per therm of MPDQ as set forth on the Statement of Transportation Rate Adjustment.
5. Each customer under this Service Classification warrants that it will, at the time the Company receives the gas for transportation, have good and merchantable title to all such gas free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of the adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees, or charges applicable to such gas or to the delivery of such gas to the Company for transportation.

Issued By: Thomas B. King, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 174 of 328

PSC NO: 219 GAS

LEAF: 129

NIAGARA MOHAWK POWER CORPORATION

REVISION: 18

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 17

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 2
SMALL GENERAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
SMALL GENERAL DELIVERY SERVICE ONLY**

APPLICABLE TO USE OF SERVICE FOR:

All purposes except as otherwise provided in Service Classification No. 1. Available in all territory served when Company has facilities suitable and adequate for the load. Sales and delivery service is applicable only to customers with annual use of less than 50,000 therms.

A customer served under this service classification will be subject to an annual review to verify annual therm eligibility requirements are not exceeded. A customer may be migrated to another service classification if their annual therm eligibility requirements have exceeded the 50,000 therm threshold, unless there are mitigating circumstances which in the Company's sole discretion support allowing the customer to remain on this service classification.

CHARACTER OF SERVICE:**Customers Purchasing Gas Supply from Niagara Mohawk:**

Continuous, natural gas or a mixture of natural gas and other gas of not less than 1000 British Thermal Units per cubic foot on a dry basis. Normal pressure 6 inches, but not less than 4 inches, water column.

Customers Purchasing Gas Supply from an Alternate Supplier:

Transportation of customer-owned, pipeline quality, natural gas will be on a firm basis from a receipt point within the Company's service territory to which this schedule applies to the facilities at the customer's existing delivery point, as specified in the customer's Application for Firm Transportation Service. Delivery of customer-owned gas will be at a pressure approved by the Company. Customer-owned gas to be transported by the Company must be of pipeline quality having a minimum BTU value of 1000 BTU per cubic foot on a dry basis. The gas quality must meet the Public Service Commission's rules and regulations regarding concentrations of hydrogen sulfide, total sulfur and ammonia. Filtration of dust and liquid hydrocarbons, and water removal will be required.

MONTHLY DELIVERY SERVICE RATES:

All Customers, as described above:

	<u>Delivery Service Rate</u>
First 3 Therms or less	\$26.00
Next 277 Therms, per Therm	\$0.35900
Next 4,720 Therms, per Therm	\$0.21634
Over 5,000 Therms, per Therm	\$0.07717

The volumetric rates above are inclusive of the Deferral Surcredit as explained in General Information Rule No. 41.

MONTHLY MINIMUM CHARGE:

The monthly minimum charge is \$26.00.

In addition to the minimum charge, customers may be required to pay a surcharge when service is taken from a main extension constructed in accordance with Rule 10, **GENERAL INFORMATION**.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 175 of 328

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22

LEAF: 130
REVISION: 15
SUPERSEDING REVISION: 13

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 2
SMALL GENERAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
SMALL GENERAL DELIVERY SERVICE ONLY (CONTINUED)**

MONTHLY COST OF GAS:

In addition to the above Delivery Service Charges, customers purchasing their Gas Supply Service from the Company will pay the Monthly Cost of Gas per therm of gas supplied hereunder as explained in Rule 17 of this schedule.

MERCHANT FUNCTION CHARGE:

Customers purchasing their Gas Supply Service from the Company will be subject to a Merchant Function Charge hereunder as explained in Rule 33 of this schedule.

DELIVERY SERVICE ADJUSTMENTS:

All Customers taking service under this service classification shall be subject to Delivery Service Adjustments as explained in Rule 45.

STATEMENT OF TRANSPORTATION RATES:

All surcharges or refunds applicable to billings for Service Classification Nos. 1, 2, 5, 6, 7, 8, 9, 12 and 13 will be filed with the Public Service Commission apart from this rate schedule not less than two (2) days prior to the first of each month. Such statement will be available on the Company's website at www.nationalgridus.com.

BALANCING:

Customers not purchasing their gas supply from Niagara Mohawk will be subject to Monthly Balancing under Service Classification No. 11 - Load Aggregation.

BTU ADJUSTMENT:

Volumes of gas registered at the customer's meter, in CCF, will be adjusted for BTU content, in Therms, as stated in Rule 14.3.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 130.1
REVISION: 2
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 2
SMALL GENERAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
SMALL GENERAL DELIVERY SERVICE ONLY (CONTINUED)**

INCREASE IN RATES AND CHARGES:

The rates and charges under this service classification will be increased by a tax factor pursuant to Rule 19.

TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 1/2%) pursuant to Rule 15.2.

TERM:

One month and continuing thereafter until terminated by forty-eight hours notice to the Company. For customers switching energy suppliers the request shall be submitted to the Company not later than 10 calendar days prior to the month service is to commence. The actual switch will then occur on the customer's regular meter reading date.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 177 of 328

PSC NO: 219 GAS

LEAF: 131

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 1

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

SERVICE CLASSIFICATION NO. 2
SMALL GENERAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
SMALL GENERAL DELIVERY SERVICE ONLY (CONTINUED)

SPECIAL PROVISIONS APPLICABLE TO BOTH DELIVERY SERVICE ONLY AND CUSTOMERS ALSO PURCHASING GAS SUPPLY FROM NIAGARA MOHAWK:

1. Company shall not be obligated to supply service facilities of a capacity in excess of that necessary to supply utilization equipment normally and regularly used by customer.
2. Written application upon Company's prescribed forms is required.
3. Whenever service is supplied where extension of distribution main facilities for service is requested, construction will be in accordance to Rule 10 of this tariff.
4. When the applicant to be served is equipped with a dual burner installation adapted for use of either gas or other alternate fuel, and when the business to be served requires that Company supply facilities with a gas supply capacity of 3,000,000 BTU per hour or more at normal pressure of 6 inches water column and when the gas service will not be utilized initially, such facilities will be constructed only when applicant:
 - A. Agrees to pay Company a minimum annual amount for service during each of the first five years equal to not less than one-third of the actual reasonable cost to Company of all facilities installed on applicant's premises to supply his requirements, or
 - B. Makes a cash contribution of the actual reasonable cost to Company of all facilities installed on applicant's premises to supply his/her requirements, less the actual reasonable cost of facilities which would be required for purposes other than the supply of service to the dual burner equipment.
5. Company will supply service to gas-fired emergency electric generators in accordance with Rule 18 of this tariff.
6. Customers who supply gas service to end-use residential customers in multi-family structures that convert to gas space heating without complying with the Company's minimum insulation requirements, Rule 4.10.3 or found in non-compliance with the appropriate minimum insulation requirements for new dwellings Rule 4.10.2, will be required to pay a surcharge of 25 percent of their total bill for electric and/or gas services. Refer to Rules 4.10.2.5 or 4.10.3.4, Penalties for Non-Compliance, for the application of the surcharge.
7. Service taken under this Service Classification may be eligible for a limited-duration bill reduction treatment as described in Rule 23, Empire Zone Rider.
8. Budget bills will be computed in accordance with Rule 15.7.6.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/04

LEAF: 132
REVISION: 1
SUPERSEDING REVISION: 0

**SERVICE CLASSIFICATION NO. 2
SMALL GENERAL DELIVERY SERVICE AND GAS SUPPLY SERVICE OR
SMALL GENERAL DELIVERY SERVICE ONLY (CONTINUED)**

SPECIAL PROVISIONS APPLICABLE TO DELIVERY SERVICE ONLY CUSTOMERS:

1. Full cooperation is required from customer and Company's gas supplier so that the Company may accurately determine the quantities of customer-owned gas delivered into the Company's distribution system by the customer and those quantities of customer-owned gas actually transported to the customer by the Company.
2. As between the Company and the customer, the Company shall be deemed to be in control and possession of the gas to be transported hereunder upon receipt of such gas at the receipt point and until it has been delivered to the customer. The customer shall be deemed to be in possession and control of the gas prior to such receipt by the Company and after such delivery.
3. The Company reserves the right to reject any application for service under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its pipeline supplier (s), impair or interfere with the Company's operations, or impose costs in excess of those subject under these rates.
4. Human Needs Customers as defined in Rule 3.2.2 participating in Monthly Balancing Service under S.C. 11 must pay a stand-by charge per therm of MPDQ as set forth on the Statement of Transportation Rate Adjustment.
5. Firm Transportation Service will be provided only when and to the extent that the Company in its sole judgment has sufficient capacity available.
6. Each customer under this Service Classification warrants that it will, at the time the Company receives the gas for transportation, have good and merchantable title to all such gas free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of the adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees, or charges applicable to such gas or to the delivery of such gas to the Company for transportation.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 179 of 328

PSC NO: 219 GAS

LEAF: 133

NIAGARA MOHAWK POWER CORPORATION

REVISION: 17

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 16

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 3
LARGE GENERAL DELIVERY GAS SUPPLY SERVICE
(This Service Classification has been eliminated)**

RESERVED FOR FUTURE USE

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 180 of 328

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 134
REVISION: 15
SUPERSEDING REVISION: 13

SERVICE CLASSIFICATION NO. 3
LARGE GENERAL DELIVERY GAS SUPPLY SERVICE (CONTINUED)
(This Service Classification has been eliminated)

RESERVED FOR FUTURE USE

Issued By: Rudolph L. Wynter, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 181 of 328

PSC NO: 219 GAS

LEAF: 135

NIAGARA MOHAWK POWER CORPORATION

REVISION: 4

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 2

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

SERVICE CLASSIFICATION NO. 3
LARGE GENERAL DELIVERY GAS SUPPLY SERVICE (CONTINUED)
(This Service Classification has been eliminated)

RESERVED FOR FUTURE USE

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/2013

LEAF: 136
REVISION: 3
SUPERSEDING REVISION: 1

STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

**SERVICE CLASSIFICATION NO. 4
INTERRUPTIBLE - LARGE VOLUME
(This Service Classification has been eliminated)**

RESERVED FOR FUTURE USE

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13

LEAF: 137
REVISION: 9
SUPERSEDING REVISION: 7

STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

**SERVICE CLASSIFICATION NO. 4
INTERRUPTIBLE - LARGE VOLUME (CONTINUED)
(This Service Classification has been eliminated)**

RESERVED FOR FUTURE USE

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 138
REVISION: 4
SUPERSEDING REVISION: 2

**SERVICE CLASSIFICATION NO. 4
INTERRUPTIBLE - LARGE VOLUME (CONTINUED)
(This Service Classification has been eliminated)**

RESERVED FOR FUTURE USE

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 139
REVISION: 2
SUPERSEDING REVISION: 0

**SERVICE CLASSIFICATION NO. 4
INTERRUPTIBLE - LARGE VOLUME (CONTINUED)
(This Service Classification has been eliminated)**

RESERVED FOR FUTURE USE

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 186 of 328

PSC NO: 219 GAS

LEAF: 140

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 1

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 5
FIRM GAS SALES AND TRANSPORTATION SERVICE**

APPLICABLE TO USE OF SERVICE FOR:

Firm sales and transportation customers consuming at least 250,000, but not greater than 1,000,000 therms annually.

A customer served under this service classification will be subject to an annual review to verify annual therm eligibility requirements are met. A customer may be migrated to another service classification if their annual therm eligibility requirements are not met, unless there are mitigating circumstances which in the Company's sole discretion support allowing the customer to remain on this service classification.

CHARACTER OF SERVICE:

Delivery of customer-owned gas will be at a pressure approved by the Company. Customer-owned gas to be transported by the Company must be of pipeline quality having a minimum BTU value of 1,000 BTU per cubic foot on a dry basis. The gas quality must meet the Public Service Commission's rules and regulations regarding concentrations of hydrogen sulfide, total sulfur and ammonia. Filtration of dust and liquid hydrocarbons, and water removal will be required.

BTU ADJUSTMENT:

Customer-owned gas will be converted from volumetric measurement in CCF to Therm measurement, 100,000 Btu per Therm on a dry basis, if required, at the point Customer-owned gas enters the Company's distribution system. The factor for converting CCF measurement to Therm measurement will be as set forth in Rule 14.3.

DEFINITIONS:

For the purposes of this Service Classification the following terms have the meanings stated below:

1. Maximum Peak Day Quantity (MPDQ) - means the maximum quantity of gas that the customer may take on any winter day. Customer's MPDQs will be calculated according to the Base and Thermal Methodology.
2. "Base and Thermal Methodology" - "Daily Baseload" equals the customer's average daily usage in the two months of lowest daily usage during the period of June through September. Annual Baseload equals Daily baseload multiplied by 365. Thermal usage equals total usage during the twelve-month period minus Annual Baseload. "Degree Day Usage" equals Thermal Usage divided by the total number of degree days during the twelve-month period. The Maximum Peak Day Quantity equals the product of Degree Day Usage multiplied by 75 plus Daily Baseload.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 187 of 328

PSC NO: 219 GAS

LEAF: 141

NIAGARA MOHAWK POWER CORPORATION

REVISION: 31

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 30

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 5
FIRM GAS SALES AND TRANSPORTATION SERVICE (CONTINUED)**

MONTHLY DELIVERY SERVICE RATE:

All Customers, as described above:

	<u>Delivery Service Rate</u>
First 100 Therms or less	\$ 651.00
Over 100 Therms, per Therm	\$0.08288

The volumetric rates above are inclusive of the Deferral Surcredit as explained in General Information Rule No. 41.

MONTHLY COST OF GAS:

In addition to the above Delivery Service Charges, customers purchasing their Gas Supply Service from the Company will pay the Monthly Cost of Gas per therm of gas supplied hereunder as explained in Rule 17 of this schedule.

MERCHANT FUNCTION CHARGE:

Customers purchasing their Gas Supply Service from the Company will be subject to a Merchant Function Charge hereunder as explained in Rule 33 of this schedule.

DELIVERY SERVICE ADJUSTMENTS:

All customers taking service under this Service Classification shall be subject to Delivery Service Adjustments as explained in Rule 45.

STATEMENT OF TRANSPORTATION RATES:All surcharges or refunds applicable to billings for Service Classification Nos. 1, 2, 5, 6, 7, 8, 9, 12 and 13 will be duly filed with the Public Service Commission apart from this rate schedule, not less than two (2) days prior to the first of each month. Such statement will be available to the public on the Company's website at www.nationalgridus.com.**INCREASE IN RATES AND CHARGES:**

The rate and charges under this Service Classification will be increased by a tax factor pursuant to Rule 19.

TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 1/2%).

TERM:

One year initially and renewable on a year-to-year basis thereafter. Cancellation requires written notice by the Company or customer thirty days prior to the expiration of the annual term of service.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 188 of 328

PSC NO: 219 GAS

LEAF: 142

NIAGARA MOHAWK POWER CORPORATION

REVISION: 4

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 1

STAMPS: Issued in Compliance with Order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 5
FIRM GAS SALES AND TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS APPLICABLE TO FIRM TRANSPORTATION SERVICE:

1. Written application upon the Company's prescribed forms is required.
2. Applications for service will be accepted in instances where extension or reinforcement of distribution main facilities for service requested would be required subject to Rule 10 of this schedule.
3. Customers electing Daily Balancing under Service Classification No. 11 must agree to be a non-core customer and will be required to have an Approved Remote Meter installed and operable as defined in Rule 13.5. Effective February 1, 2022, new firm non-core daily balanced customers will not be permitted to commence service absent proof that the customer, or an ESCO acting as its supplier, has contracted for firm primary point upstream capacity to the Company's city gate delivery point or points in a quantity sufficient to serve customer's anticipated peak day requirements for at least one year with the explicit understanding that such firm primary point capacity must be renewed for as long as the customer wishes to remain a firm customer.
4. Full cooperation is required from customer and customer's gas supplier so that the Company may accurately determine the quantities of customer-owned gas delivered into the Company's distribution system by the customer and those quantities of customer-owned gas actually transported to the customer by the Company.
5. When customer-owned gas is delivered directly into the Company's distribution system, the customer shall pay for any investment and expenses incurred by the Company for any metering facilities installed at the point of delivery, odorization of gas and periodic testing of the gas quality.
6. Customers electing Daily Balancing under Service Classification No. 11 will be charged a monthly balancing rate per therm calculated in accordance with Rule 17.5 of this tariff multiplied by their Maximum Peak Day Quantity, through December 31, 2000. Commencing January 1, 2001, the Balancing Charge will be charged to the customer's marketer.
7. Service rendered hereunder shall be for a single customer at a single location. Individual agreements are required for each location.
8. As between the Company and the customer, the Company shall be deemed to be in control and possession of the gas to be transported hereunder upon receipt of such gas at the receipt point and until it has been delivered to the customer. The customer shall be deemed to be in possession and control of the gas prior to such receipt by the Company and after such delivery.
9. Each customer under this Service Classification warrants that it will, at the time it delivers gas to the Company for transportation, have good and merchantable title to all such gas free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of the adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees or charges applicable to such gas or to the delivery of such gas to the Company for transportation.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 189 of 328

PSC NO: 219 GAS

LEAF: 143

NIAGARA MOHAWK POWER CORPORATION

REVISION: 6

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 4

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 5
FIRM GAS SALES AND TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS APPLICABLE TO FIRM TRANSPORTATION SERVICE: (continued)

10. The Company reserves the right to reject any application for service or nominations under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its pipeline supplier(s), impair or interfere with the Company's operations, or impose costs in excess of those subject to recovery under these rates.
11. During the Term of Service Agreement, customer's equipment supplied with gas hereunder will not be supplied with gas purchased under another Service Classification.
12. Niagara Mohawk's obligations to deliver customer-owned gas are defined in Rule 3.2 of **GENERAL INFORMATION**.
13. Firm transportation service will be provided only when and to the extent that the Company in its sole judgment has sufficient capacity available.
14. Existing Human Needs Customers as defined in Rule 3.2.2 of the **GENERAL INFORMATION** Section of this tariff must participate in Monthly Balancing Service under S.C. 11, unless the customer certifies dual fuel capability to the Company. If an existing Human Needs Customer certifies dual fuel capability, he/she will be eligible for Daily Balancing Service but will give up his/her ability to obtain future Gas Supply Service under the Company's tariff.
 - 14.1 Existing Human Needs Customers may, in lieu of certification of dual fuel capability, certify that they maintain or have continuous access to five (5) winter months (November – March) of primary firm capacity from a receipt point, acceptable to the Director of Gas Supply, into the Company's east/west city gate, as applicable, sufficient to meet the customers' Maximum Peak Day Quantity. Customer shall produce proof of such contracted primary firm capacity to the Company as provided in the Gas Transportation Operating Procedures Manual prior to receiving service under Daily Balancing.

There is no dual fuel or primary firm capacity requirement for core daily balancing customers.
15. Service taken under this Service Classification may be eligible for a limited-duration bill reduction treatment as described in Rule 23 Empire Zone Rider.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/16/18
STAMPS: Issued in compliance with order in Case No. 09-M-0311 dated December 19, 2017

LEAF: 144
REVISION: 3
SUPERSEDING REVISION: 2

**SERVICE CLASSIFICATION NO. 6
LARGE VOLUME INTERRUPTIBLE TRANSPORTATION SERVICE**

APPLICABLE TO GAS SERVICE FOR:

Interruptible Transportation of customer-owned gas on a “best efforts” basis by the Company for customers that are capable of transporting and consuming at least 2,500,000 therms annually.

CHARACTER OF SERVICE:

Delivery of customer-owned gas will be at a pressure approved by the Company. Customer-owned gas to be transported by the Company must be of pipeline quality having a minimum BTU value of 1,000 BTU per cubic foot on a dry basis. The gas quality must meet the Public Service Commission’s rules and regulations regarding concentrations of hydrogen sulfide, total sulfur and ammonia. Filtration of dust and liquid hydrocarbons, and water removal will be required.

BTU ADJUSTMENT:

Customer-owned gas will be converted from volumetric measurement in CCF to Therm measurement, 100,000 BTU per therm on a dry basis, if required, at the point customer-owned gas enters the Company’s distribution system. The factor for converting CCF measurement to therm measurement will be as set forth in Rule 14.3.

DEFINITIONS:

For the purposes of this Service Classification the following terms are defined below:

1. Maximum Peak Day Quantity (MPDQ) - Means the maximum quantity of gas that the customer may take on any winter day. Customer’s MPDQs will be calculated according to the Base and Thermal Methodology.
2. “Base and Thermal Methodology” - “Daily Baseload” equals the customer’s average daily usage in the two months of lowest daily usage during the period of June through September. Annual Baseload equals Daily Baseload multiplied by 365. Thermal usage equals total usage during the twelve-month period minus Annual Baseload. “Degree Day Usage” equals Thermal Usage divided by the total number of degree days during the twelve-month period. The Maximum Peak Day Quantity equals the product of Degree Day Usage multiplied by 75 plus Daily Baseload.
3. Ceiling Rate - The S.C. 6 Ceiling Price for each rate category will be the effective annual S.C. 8 firm rate (exclusive of the initial block charge) for like consumption based on monthly consumption for the historical periods twelve months ending May of each year. In no case will the ceiling price exceed the first block rate for equivalent firm transportation service for Service Classification No. 8.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 191 of 328

PSC NO: 219 GAS

LEAF: 145

NIAGARA MOHAWK POWER CORPORATION

REVISION: 15

INITIAL EFFECTIVE DATE:02/01/22

SUPERSEDING REVISION: 14

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 6
LARGE VOLUME INTERRUPTIBLE TRANSPORTATION SERVICE (CONTINUED)**

BILLING QUANTITY:

The amount of gas to be billed each month under the Service Classification by the Company to the customer will be the amount consumed by the customer during any given calendar month.

MONTHLY DELIVERY SERVICE RATE:

The Service Classification No. 6 Interruptible Transportation Rate shall be set as follows:

All Customers, as described above:

	<u>Delivery Service Rate</u>
First 100 Therms or less	\$581.27
Over 100 Therms, per Therm	\$0.02643

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 192 of 328

PSC NO: 219 GAS

LEAF: 146

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 1

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 6
LARGE VOLUME INTERRUPTIBLE TRANSPORTATION SERVICE (CONTINUED)**

INCREASE IN RATES AND CHARGES:

The rate and charges under this Service Classification will be increased by a tax factor pursuant to Rule 19.

TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 1/2%).

TERM OF SERVICE:

One year initially and renewable on a year to year basis thereafter. Cancellation requires written notice by the Company or customer thirty days prior to the expiration date of the term of service.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 147
REVISION: 0
SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 6
LARGE VOLUME INTERRUPTIBLE TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS APPLICABLE TO S.C. NO. 6 INTERRUPTIBLE TRANSPORTATION SERVICES:

1. Written application upon the Company's prescribed forms is required.
2. Interruptible transportation service will be provided on a "best efforts" basis only.
3. Applications for service will be accepted in instances where extension or reinforcement of distribution main facilities for service requested would be required subject to Rule 10 of this schedule.
4. Customers under this Service Classification will be required to have installed and operable an Approved Remote Meter as defined in Rule 13.5.
5. Service rendered hereunder shall be for a single customer at a single location. Individual agreements are required for each location.
6. As between the Company and the customer, the Company shall be deemed to be in control and possession of the gas to be transported hereunder upon receipt of such gas at the receipt point and until it has been delivered to the customer. The customer shall be deemed to be in possession and control of the gas prior to such receipt by the Company and after such delivery.
7. Each customer under this Service Classification warrants that it will, at the time it delivers gas to the Company for transportation, have good and merchantable title to all such gas, free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of the adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees or charges applicable to such gas or to the delivery of such gas to the Company for transportation.
8. The Company reserves the right to reject any application for service or nominations under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its pipeline supplier (s), impair or interfere with the Company's operations or impose costs in excess of those subject to recovery under these rates.
9. During the Term of Service Agreement, customer's equipment supplied with gas hereunder will not be supplied with gas purchased under another Service Classification.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/12
STAMPS: Issued in Compliance with Order of PSC in Case 11-G-0543 dated 5/23/12.

LEAF: 148
REVISION: 3
SUPERSEDING REVISION: 2

**SERVICE CLASSIFICATION NO. 6
LARGE VOLUME INTERRUPTIBLE TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS APPLICABLE TO S.C. NO. 6 INTERRUPTIBLE TRANSPORTATION SERVICES: (continued)

10. Service is available hereunder only to customers who maintain standby facilities including fuel therefor as specified in Rule 3 of this rate schedule, adequate to enable the customer to satisfactorily operate the facilities supplied hereunder if needed, whenever and so long as the gas supply is interrupted. The Company assumes no responsibility for the adequacy of such standby facilities and shall not be liable for any loss, damage or expense, direct or indirect, which may be incurred by customer or others in connection with or as a result of any interruption of gas service
11. Gas consumed hereunder may be interrupted at the sole discretion of the Company at any time, upon not less than two hours notice to customer utilizing the Communications Protocol stated within this service classification to customer, and customer shall thereupon discontinue service as ordered.
12. The customer agrees that if he/she fails to discontinue his/her use of service as requested by the Company, all gas taken during such a period of requested interruption in excess of the amount the customer is permitted to take shall be billed at the stated rate in effect at the time, plus the currently effective rate per Dth of unauthorized usage in accordance with Rule 3.3.1 of this schedule. The Company reserves the right, however, to terminate service under this Service Classification for failure of the customer to discontinue use of service when requested by the Company. Customer will be responsible for all claims made against the Company and for all other Company costs associated with the loss of the integrity of the Company's distribution system as a result of the customer's failure to discontinue the use of service as ordered by the Company.

Customers with distillate alternate fuels, agree that if they fail to meet the alternate fuel requirements set forth in Rule 3.4, the penalties set forth in Rule 3.4 will apply.
13. Customer's initial application for service under this Service Classification shall include a twelve-month profile, by months, of customer's anticipated consumption of gas, assuming that no alternative fuel will be used to displace gas.
14. Full cooperation is required from customer and customer's gas supplier so that the Company may accurately determine the quantities of customer-owned gas delivered into the Company's distribution system by the customer and those quantities of customer-owned gas actually transported to the customer by the Company.
15. When customer-owned gas is delivered directly into the Company's distribution system the customer shall pay for any investment and expenses incurred by the Company for any metering facilities installed at the point of delivery, odorization of gas and periodic testing of the gas quality.
16. Communications Protocol. Effective October 2012, the Company will maintain a database of contact information for all of its interruptible customers and interested stakeholders (e.g., DPS Staff, ESCOs, NYSERDA and oil associations). This database will be used to provide notifications to these customers and stakeholders regarding the Company's interruptible service, including: forecast temperatures, potential interruptions, and the initiation/conclusion of actual interruptions. These notifications will be sent via multiple mediums, such as telephone, electronic mail and text message. Beginning October 2012, the Company will perform an annual communications test during which interruptible and temperature controlled customers will be asked to confirm their contact information.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Effective date postponed to 11/01/12. See Supplement No. 25.

PSC NO: 219 GAS

LEAF: 148.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 07/01/17

SUPERSEDING REVISION: 2

STAMPS: Issued in compliance with Order of PSC in Case 15-G-0185 dated 06/16/17.

SERVICE CLASSIFICATION NO. 6
LARGE VOLUME INTERRUPTIBLE TRANSPORTATION SERVICE (CONTINUED)

SPECIAL PROVISIONS APPLICABLE TO S.C. NO. 6 INTERRUPTIBLE TRANSPORTATION SERVICES: (continued)

16. Communications Protocol - continued

The Communications Protocols for all customers served under this service classification are described in the Company's Gas Transportation Operating Procedures Manual, Section VII, as filed with the Public Service Commission. Customers will be required to provide affidavits confirming that they have alternative fuel supply contracts in place for the upcoming winter heating season as described in the Company's Gas Transportation Operating Procedures Manual, Section VII, as filed with the Public Service Commission.

17. Annual System-Wide Test

The Company will conduct an announced annual system-wide test of Customers' compliance under this Service Classification at the beginning of the heating season. If a customer fails to interrupt when required, the customer will participate in an unannounced interruption at the end of January. In addition, the customer will need to provide an affidavit stating that it is in compliance with the Company's tariff and will also include its alternate fuel supplier's contact information.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 196 of 328

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 149
REVISION: 3
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 7
SMALL VOLUME FIRM GAS SALES AND TRANSPORTATION SERVICE**

APPLICABLE TO USE OF SERVICE FOR:

Firm sales and transportation customers consuming at least 50,000 Therms but not greater than 250,000 Therms annually.

A customer served under this service classification will be subject to an annual review to verify annual therm eligibility requirements are met. A customer may be migrated to another service classification if their annual therm eligibility requirements are not met, unless there are mitigating circumstances which in the Company's sole discretion support allowing the customer to remain on this service classification.

CHARACTER OF SERVICE:

Delivery of customer-owned gas will be at a pressure approved by the Company, customer-owned gas to be transported by the Company must be of pipeline quality having a minimum BTU value of 1,000 BTU per cubic foot on a dry basis. The gas quality must meet the Public Service Commission's rules and regulations regarding concentrations of hydrogen sulfide, total sulfur and ammonia. Filtration of dust and liquid hydrocarbons, and water removal will be required.

BTU ADJUSTMENT:

Customer-owned gas will be converted from volumetric measurement in CCF to Therm measurement, 100,000 Btu per Therm on a dry basis, if required, at the point the customer-owned gas enters the Company's distribution system. The factor for converting CCF measurement to Therm measurement will be as set forth in Rule 14.3.

DEFINITIONS:

For the purpose of this Service Classification the following terms have the meanings stated below:

1. Maximum Peak Day Quantity (MPDQ) - Means the maximum quantity of gas that the customer may take on any winter day. Customer's MPDQs will be calculated according to the Base and Thermal Methodology.
2. "Base and Thermal Methodology" - "Daily Baseload" equals the customer's average daily usage in the two months of lowest daily usage during the period of June through September. Annual Baseload equals Daily Baseload multiplied by 365. Thermal usage equals total usage during the twelve-month period minus Annual Baseload. "Degree Day Usage" equals Thermal Usage divided by the total number of degree days during the twelve-month period. The Maximum Peak Day Quantity equals the product of Degree Day Usage multiplied by 75 plus Daily Baseload.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 197 of 328

PSC NO: 219 GAS

LEAF: 150

NIAGARA MOHAWK POWER CORPORATION

REVISION: 28

INITIAL EFFECTIVE DATE:02/01/22

SUPERSEDING REVISION: 27

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 7
SMALL VOLUME FIRM GAS SALES AND TRANSPORTATION SERVICE (CONTINUED)**

All Customers, as described above:

	<u>Delivery Service Rate</u>
First 2,100 Therms or less	\$ 350.00
Next 400 Therms, per Therm	\$0.34599
Next 1,700 Therms, per Therm	\$0.26027
Over 4,200 Therms, per Therm	\$0.10724

The volumetric rates above are inclusive of the Deferral Surcredit as explained in General Information Rule No. 41.

MONTHLY COST OF GAS:

In addition to the above Delivery Service Charges, customers purchasing their Gas Supply Service from the Company will pay the Monthly Cost of Gas per therm of gas supplied hereunder as explained in Rule 17 of this schedule.

MERCHANT FUNCTION CHARGE:

Customers purchasing their Gas Supply Service from the Company will be subject to a Merchant Function Charge hereunder as explained in Rule 33 of this schedule.

DELIVERY SERVICE ADJUSTMENTS:

All customers taking service under this Service Classification shall be subject to Delivery Service Adjustments as explained in Rule 45.

STATEMENT OF TRANSPORTATION RATES:All surcharges or refunds applicable to billings for Service Classification Nos. 1, 2, 5, 6, 7, 8, 9, 12 and 13 will be filed with the Public Service Commission apart from this rate schedule not less than two (2) days prior to the first of each month. Such statement will be available to the public on the Company's website at www.nationalgridus.com.**INCREASE IN RATES AND CHARGES:**

The rates and charges under this Service Classification will be increased by a tax factor pursuant to Rule 19.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 198 of 328

PSC NO: 219 GAS

LEAF: 150.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION:

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 7
SMALL VOLUME FIRM GAS SALES AND TRANSPORTATION SERVICE (CONTINUED)**

TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the due date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 1/2%).

TERM:

One year initially and renewable on a year-to-year basis thereafter until canceled on a prior thirty-day written notice by Company or customer.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 199 of 328

PSC NO: 219 GAS

LEAF: 151

NIAGARA MOHAWK POWER CORPORATION

REVISION: 5

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 3

STAMPS: Issued in Compliance with Order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 7
SMALL VOLUME FIRM GAS SALES AND TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS APPLICABLE TO FIRM TRANSPORTATION SERVICE: (continued)

1. Written application upon the Company's prescribed forms is required.
2. Applications for service will be accepted in instances where extension of distribution main facilities for service requested would be required subject to Rule 10 of this schedule.
3. Firm transportation service will be provided only when and to the extent that the Company in its sole judgment has sufficient capacity available.
4. Marketers or Direct Customers participating in the Company's Daily Balancing Program under Service Classification No. 11 will be charged a Monthly Balancing Charge at a rate per therm of MPDQ for Customers in the Marketer's pool calculated in accordance with Rule 17.5 of this tariff.
5. Customers electing Daily Balancing under Service Classification No. 11 must agree to be a non-core customer and will be required to have an Approved Remote Meter installed and operable as defined in Rule 13.5. Effective February 1, 2022, new firm non-core daily balanced customers will not be permitted to commence service absent proof that the customer, or an ESCO acting as its supplier, has contracted for firm primary point upstream capacity to the Company's city gate delivery point or points in a quantity sufficient to serve customer's anticipated peak day requirements for at least one year with the explicit understanding that such firm primary point capacity must be renewed for as long as the customer wishes to remain a firm customer.
6. Full cooperation is required from customer and customer's gas supplier so that the Company may accurately determine the quantities of customer-owned gas delivered into the Company's distribution system by the customer and those quantities of customer-owned gas actually transported to the customer by the Company.
7. When customer-owned gas is delivered directly into the Company's distribution system the customer shall pay for any investment and expenses incurred by the Company for any metering facilities installed at the point of delivery, odorization of gas and periodic testing of the gas quality.
8. Service rendered hereunder shall be for a single customer at a single location. Individual agreements are required for each location.
9. As between the Company and the customer, the Company shall be deemed to be in control and possession of the gas to be transported hereunder upon receipt of such gas at the receipt point and until it has been delivered to the customer. The customer shall be deemed to be in possession and control of the gas prior to such receipt by the Company and after such delivery.
10. Each customer under this Service Classification warrants that it will, at the time it delivers gas to the Company for transportation, have good and merchantable title to all such gas free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of the adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees or charges applicable to such gas or to the delivery of such gas to the Company for transportation.
11. The Company reserves the right to reject any application for service under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its pipeline supplier(s), impair or interfere with the Company's operations, or impose costs in excess of those subject to recovery under these rates.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 200 of 328

PSC NO: 219 GAS

LEAF: 152

NIAGARA MOHAWK POWER CORPORATION

REVISION: 4

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 2

STAMPS: Issued in Compliance with Order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 7
SMALL VOLUME FIRM GAS SALES AND TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS APPLICABLE TO FIRM TRANSPORTATION SERVICE: (continued)

12. During the Term of Service Agreement, customer's meter supplied with gas hereunder will not be supplied with gas metered under any other Service Classification.
13. Niagara Mohawk's obligations to deliver customer - owned gas are defined in Rule 3.2 of **GENERAL INFORMATION**.
14. Customers taking service under this Service Classification may be eligible for a limited-duration bill reduction treatment as described in Rule 23, Empire Zone Rider.
15. Existing Human Needs Customers as defined in Rule 3.2.2 of the **GENERAL INFORMATION** Section of this tariff must participate in Monthly Balancing Service under S.C. 11, unless the customer certifies dual fuel capability to the Company. If a Human Needs Customer certifies dual fuel capability, he/she will be eligible for Daily Balancing Service but will give up his/her ability to obtain future Gas Supply Service under the Company's tariff.
 - 15.1 Existing Human needs customers may, in lieu of certification of dual fuel capability in order to be eligible for Daily Balancing Service, certify that they maintain or have continuous access to five (5) winter months (November – March) of primary firm capacity from a receipt point, acceptable to the Director of Gas Supply, into the Company's east/west city gate, as applicable, sufficient to meet the customers' Maximum Peak Day Quantity. Customer shall produce proof of such contracted primary firm capacity to the Company as provided in the Gas Transportation Operating Procedures Manual prior to receiving service under Daily Balancing.

There is no dual fuel or primary firm capacity requirement for core daily balancing customers.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 201 of 328

PSC NO: 219 GAS

LEAF: 153

NIAGARA MOHAWK POWER CORPORATION

REVISION: 7

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 4

STAMPS: Issued in Compliance with Order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 8
GAS SALES AND TRANSPORTATION SERVICE WITH STANDBY SALES SERVICE**

APPLICABLE TO USE OF SERVICE FOR:

Firm sales and transportation customers consuming at least 1,000,000 therms annually.

A customer served under this service classification will be subject to an annual review to verify annual therm eligibility requirements are met. A customer may be migrated to another service classification if their annual therm eligibility requirements are not met, unless there are mitigating circumstances which in the Company's sole discretion support allowing the customer to remain on this service classification.

CHARACTER OF SERVICE:

Delivery of customer-owned gas will be at a pressure approved by the Company. Customer-owned gas to be transported by the Company must be of pipeline quality having a minimum BTU value of 1,000 BTU per cubic foot on a dry basis. The gas quality must meet the Public Service Commission's rules and regulations regarding concentrations of hydrogen sulfide, total sulfur and ammonia. Filtration of dust and liquid hydrocarbons, and water removal will be required.

BTU ADJUSTMENT:

Customer-owned gas will be converted from volumetric measurement in CCF to therm measurement, 100,000 BTU per therm on a dry basis, if required, at the point customer-owned gas enters the Company's distribution system. The factor for converting CCF measurement to therm measurement will be as set forth in Rule 14.3.

DEFINITIONS:

For the purposes of this Service Classification, the following terms are defined below:

1. Daily Nominated Standby Quantity means the quantity in therms of standby sales service nominated on a daily basis by the customer/marketer not to exceed the Daily Elected Contract Demand Level.
2. Daily Standby Commodity Price is the weighted average per therm commodity price of flowing supply and storage withdrawals, including variable transportation and fuel costs, to the city gate for that day. The Daily Standby Commodity Price will be set forth in the Statement of Daily Standby Commodity Prices each month.
3. Standby Sales D1 Contract Demand Rate per therm of MPDQ reflects the demand costs of the Company's gas supply portfolio and will be set forth on the Gas Transportation Rate Statement.
4. Daily Elected Contract Demand (D1 Election) means the maximum daily quantity of standby sales gas which a customer may use as specified on their Application for Service Form T as set forth in the Company's Gas Transportation Operating Procedures Manual. The customer's D1 Election may not exceed their Maximum Peak Day Quantity.
5. Maximum Peak Day Quantity (MPDQ) means the maximum quantity of gas that the customer may take on any winter day. Customer's MPDQs will be calculated according to the Base and Thermal Methodology.
6. "Base and Thermal Methodology" - "Daily Baseload" equals the customer's average daily usage in the two months of lowest daily usage during the period of June through September. Annual Baseload equals Daily Baseload multiplied by 365. Thermal usage equals total usage during the twelve-month period minus Annual Baseload. "Degree Day Usage" equals Thermal Usage divided by the total number of degree days during the twelve-month period. The Maximum Peak Day Quantity equals the product of Degree Day Usage multiplied by 75 plus Daily Baseload.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 02/01/22
 STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 154
 REVISION: 19
 SUPERSEDING REVISION: 18

SERVICE CLASSIFICATION NO. 8
GAS SALES AND TRANSPORTATION SERVICE WITH STANDBY SALES SERVICE (CONTINUED)

BILLING QUANTITY:

Customers electing Standby Service will be billed a demand charge based on the customer's Daily Elected Contract Demand.

The Daily Elected Contract Demand will be the maximum daily level of standby service elected by the customer regardless of whether transport or sales service is actually taken. Effective February 1, 2022, new firm non-core daily balanced customers will not be permitted to commence service absent proof that the customer, or an ESCO acting as its supplier, has contracted for firm primary point upstream capacity to the Company's city gate delivery point or points in a quantity sufficient to serve customer's anticipated peak day requirements for at least one year with the explicit understanding that such firm primary point capacity must be renewed for as long as the customer wishes to remain a firm customer.

DEFINITION OF RATES:

1. Monthly Delivery Service Rates

All Customers, as described above:

	<u>Delivery Service Rate</u>
First 100 Therms or less	\$1,550.00
Next 99,900 Therms, per Therm	\$0.08438
Next 400,000 Therms, per Therm	\$0.07941
Over 500,000 Therms, per Therm	\$0.06853

The volumetric rates above are inclusive of the Deferral Surcredit as explained in General Information Rule No. 41.

2. Balancing Charge – Marketers or Direct Customers participating in the Company's Daily Balancing Program under Service Classification No. 11 will be charged a Monthly Balancing Charge at a rate per therm of MPDQ for Customers in the Marketer's pool calculated in accordance with Rule 17.5 of this tariff.
3. Standby Sales Service - Customers taking service under S.C. No. 8, are entitled to elect standby sales service from the Company in accordance with Special Provision 11 below. The charges for standby sales service provided by the Company are as follows:
 - A. Standby Sales D1 Contract Demand Charge – Determined by multiplying the Standby Sales D1 Contract Demand Rate by the Daily Elected Contract Demand. This charge is billed to the customer each month.
 - B. Daily Standby Commodity Charge – Determined by multiplying the Daily Standby Commodity Price by the Daily Nominated Standby Quantity. Each day's cost will be summed for the month and billed to the customer's Marketer.

MONTHLY COST OF GAS:

In addition to the above Delivery Service Charges, customers purchasing their Gas Supply Service from the Company will pay the Monthly Cost of Gas per therm of gas supplied hereunder as explained in Rule 17 of this schedule.

MERCHANT FUNCTION CHARGE:

Customers purchasing their Gas Supply Service from the Company will be subject to a Merchant Function Charge hereunder as explained in Rule 33 of this schedule.

Issued By: Rudolph L. Wynter, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 155
REVISION: 18
SUPERSEDING REVISION: 16

SERVICE CLASSIFICATION NO. 8
GAS SALES AND TRANSPORTATION SERVICE WITH STANDBY SALES SERVICE (CONTINUED)

DELIVERY SERVICE ADJUSTMENTS:

All Customers taking service under this Service Classification shall be subject to Delivery Service Adjustments as explained in Rule 45.

STATEMENT OF TRANSPORTATION RATES:

The effective monthly rates for transportation service applicable to billings for Service Classification Nos. 1, 2, 5, 6, 7, 8, 9, 12 and 13 will be duly filed with the Public Service Commission apart from this rate schedule, not less than two (2) days prior to the first of each month. Such statement will be available to the public on the Company's website at www.nationalgridus.com.

INCREASE IN RATES AND CHARGES:

The rates and charges under this Service Classification will be increased by a tax factor pursuant to Rule 19.

TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 ½%).

TERM:

One year initially and renewable on a year to year basis thereafter. Cancellation requires written notice by the Company or customer thirty days prior to the expiration of the annual term of service.

SPECIAL PROVISIONS APPLICABLE TO FIRM TRANSPORTATION SERVICE:

1. Written application upon the Company's prescribed forms is required.
2. Applications for service will be accepted in instances where extension of distribution main facilities for service requested would be required subject to Rule 10 of this schedule.
3. The customer must have installed and operable an Approved Remote Meter as defined in Rule 13.5.
4. Full cooperation is required from customer and customer's gas supplier so that the Company may accurately determine the quantities of customer-owned gas delivered into the Company's distribution system by the customer and those quantities of customer-owned gas actually transported to the customer by the Company.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 204 of 328

PSC NO: 219 GAS

LEAF: 156

NIAGARA MOHAWK POWER CORPORATION

REVISION: 5

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 3

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

SERVICE CLASSIFICATION NO. 8**GAS SALES AND TRANSPORTATION SERVICE WITH STANDBY SALES SERVICE (CONTINUED)****SPECIAL PROVISIONS APPLICABLE TO FIRM TRANSPORTATION SERVICE: (continued)**

5. When customer-owned gas is delivered directly into the Company's distribution system, the customer shall pay for any investment and expenses incurred by the Company for any metering facilities installed at the point of delivery, odorization of gas and periodic testing of the gas quality.
6. Service rendered hereunder shall be for a single customer at a single location. Individual agreements are required for each location.
7. As between the Company and the customer, the Company shall be deemed to be in control and possession of the gas to be transported hereunder upon receipt of such gas at the receipt point and until it has been delivered to the customer. The customer shall be deemed to be in possession and control of the gas prior to such receipt by the Company and after such delivery.
8. Each customer under this Service Classification warrants that it will, at the time it delivers gas to the Company for transportation, have good and merchantable title to all such gas free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees or charges applicable to such gas or to the delivery of such gas to the Company for transportation.
9. The Company reserves the right to reject any application for service or nominations under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its pipeline supplier(s), impair or interfere with the Company's operations, or impose costs in excess of those subject to recovery under these rates.
10. During the Term of Service Agreement, the customer's equipment using gas that is metered pursuant to the terms of this Service Classification No. 8 will not be supplied with gas purchased under another Service Classification.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 205 of 328

PSC NO: 219 GAS

LEAF: 157

NIAGARA MOHAWK POWER CORPORATION

REVISION: 7

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 5

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

SERVICE CLASSIFICATION NO. 8
GAS SALES AND TRANSPORTATION SERVICE WITH STANDBY SALES SERVICE (CONTINUED)

SPECIAL PROVISIONS APPLICABLE TO FIRM TRANSPORTATION SERVICE: (continued)

11. Customers served under this Service Classification will submit to the Company their D1 Election, annually, and may contract with the Company for Standby Sales volumes up to their D1 Election. The customer, or its authorized agent/Marketer, must place a pipeline nomination with the Company, not to exceed their D1 Election, in order to purchase Standby Sales. Nominations are due by 8:00 a.m. on the business day before the day the gas will be consumed. For example, for a Gas Day commencing at 10:00 a.m. on Thursday, nominations are due by 8:00 a.m. on Wednesday, the prior day. The commodity cost of the nominated Standby Sales will be billed to the customer's Marketer.

Effective February 1, 2022, for grandfathered daily balancing customers, the D1 Election may be any quantity, including zero, except that requests for an increased D1 Election are subject to Company approval. The purpose of the contract demand level is to insure the customer that firm sales service, up to the elected D1 level, will be available, and to provide the customer the right to return to a sales service only classification up to the elected level at a future time. The term of the customer's D1 Election will be one year and renewable on a year-to-year basis. The D1 Election represents the maximum amount of standby service available for each respective period. The D1 Election also represents the customer's Core Load; therefore, the difference between the customer's Maximum Peak Day Quantity and D1 Election, if any, would be considered non-core load.

Existing Human Needs Customers must submit to the Company a D1 Election sufficient to cover full peak day requirements which are not covered by dual fuel capability.

There is no dual fuel or primary firm capacity requirement for core daily balancing customers.

12. Service Classification No. 8 transportation customers may elect to return their total gas requirements to an appropriate full sales service classification in accordance with the TERM section of this rate schedule after a review by the Company is conducted to determine whether the customer's total requirements can be served. If it is determined that the customer's total requirements can be supported on a full sales service classification, the customer may migrate to the sales service classification upon completion of the current term of service as a transportation customers on S.C. No. 8. If the Company's review determines the total requirements cannot be served, the customer must remain as a transportation customer on the S.C. No. 8 rate schedule using standby to support their gas requirements until such time as the Company indicates that full sales service can be supported. Service Classification No. 8 transportation customers may obtain sales service for their partial requirements equivalent to their D1 Election by utilizing the standby sales service of this rate schedule.
13. Service taken under this Service Classification may be eligible for a limited-duration bill reduction treatment as described in Rule 23 of the **GENERAL INFORMATION** Section of this tariff.
14. Niagara Mohawk's obligations to deliver customer-owned gas are defined in Rule 3.2 of **GENERAL INFORMATION**.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/20/09
STAMPS: Issued in Compliance with Order of PSC in Case 08-G-0609 dated 05/15/09.

LEAF: 158
REVISION: 2
SUPERSEDING REVISION: 0

**SERVICE CLASSIFICATION NO. 9
NEGOTIATED TRANSPORTATION SERVICE**

APPLICABLE TO USE OF SERVICE FOR:

Transportation of customer-owned gas by the Company to any new or existing customer who has negotiated and executed a Service Agreement with the Company subsequent to March 6, 1991. Negotiation for service under this service classification is permitted where a viable economic alternative to supply of the customer's requirements by the Company exists. The customer will supply to the Company a copy of a current, fully executed contract(s) to purchase and transport natural gas supplies to the Receipt Point(s) which interconnects with Company-owned facilities, if required, prior to receiving service hereunder.

CHARACTER OF SERVICE:

Customer-owned, pipeline quality, natural gas which the customer has arranged to have transported to a mutually agreeable Receipt Point. The Company will transport said gas from the Receipt Point to the Delivery Point at the customer's facilities. Metering of high pressure gas will be adjusted in accordance with the pressure and temperature standards as set forth in Rule 14.1 in the **GENERAL INFORMATION** Section of P.S.C. No. 219-Gas tariff.

SERVICE AGREEMENT:

The Company and customer shall execute a Service Agreement prior to the commencement of service hereunder. Terms and conditions contained in the Service Agreement shall include, but not be limited to:

1. The Term of Service, options for extending service and options for termination of service
2. The exact character of service including volumes, pressures, and the date service is required
3. Identification of Receipt Point(s) and Delivery Point
4. All incremental facilities and any necessary contributions in aid of construction
5. A listing of all charges to be paid for services rendered
6. Conditions under which interruptions may occur
7. The base rate(s) to be charged
8. Type of escalator and effective dates
9. Supplemental service provisions
(for contracts with an effective date prior to June 1, 1996)
10. Security instruments to be provided by the customer
11. Nomination procedures required by the Company

Issued By: Thomas B. King, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 159
REVISION: 0
SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 9
NEGOTIATED TRANSPORTATION SERVICE (CONTINUED)**

SERVICE AGREEMENT: (continued)

Terms and conditions will be offered that do not discriminate unduly between similarly situated customers.

Negotiated service agreements between the Company and the customer will be filed with the Public Service Commission at least thirty (30) days before becoming effective.

BTU ADJUSTMENT:

Volumes of gas registered at the customer's meter, in CCF, will be adjusted for Btu content, in Therms as stated in Rule 14.3

DEFINITIONS:

For the purposes of this Service Classification, the following terms have the meanings stated below:

1. Service Agreement means a transportation agreement negotiated between the Company and the customer stating terms and conditions for service.
2. Monthly Transportation Quantity means the quantity of customer-owned gas received by the Company in a given month.
3. Monthly Delivery Quantity means Monthly Transportation Quantity minus the amount to be retained by the Company as an allowance for losses incurred in the process of transportation and delivery.
4. Operation Date means the first day of the first calendar month following the month in which customer first tenders or causes to be tendered quantities of natural gas for transportation to The Receipt Point.
5. Contract Year means 365 consecutive days beginning on the Commercial Operation Date and each subsequent 365 day period, or 366 days for leap years.
6. Delivery Point means the metered interconnection, owned and maintained by the Company, between the facilities of the Company and the customer.
7. Receipt Point means the Company's city gate interconnection with pipeline(s).
8. Rollover Balance means the quantity of customer-owned gas delivered for the customer to the Company, minus an allowance for losses, not consumed by the customer during any given month. This shall be calculated as the sum of the Monthly Delivery Quantity and the prior month's Rollover Balance, if applicable, minus the current month's actual consumption.
9. Under Deliveries means the therm balance remaining when the customer's consumption is greater than the sum of the Monthly Delivery Quantity and the prior month's Rollover Balance.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 160
REVISION: 12
SUPERSEDING REVISION: 11

**SERVICE CLASSIFICATION NO. 9
NEGOTIATED TRANSPORTATION SERVICE (CONTINUED)**

DEFINITIONS: (continued)

10. Minimum Annual Delivery Quantity means the minimum quantity for which customer will be billed annually, as defined in the Service Agreement.
11. Calendar Month Rate means a rate per therm equal to the Calendar Month Rate for Service Classification No. 8, Standby Sales Service.
12. Over Deliveries means the difference between the amount of gas delivered to the Niagara Mohawk system by or on behalf of the customer and the amount of gas consumed by the customer during any given month.
13. Current Commodity Cost Rate means a rate per therm equal to the Monthly Commodity Cost of Gas from the Company's gas supplier(s) divided by the quantity of gas used in the computation of said cost. The resulting rate will be adjusted by the Factor of Adjustment as defined in Rule 17.1. These monthly commodity costs are equal to the corresponding dollar amounts used in the calculation of the Monthly Cost of Gas Mechanism.
14. Maximum Daily Delivery Quantity means the maximum daily quantity of transportation gas which a customer may use as specified in its Service Agreement.
15. Maximum Annual Delivery Quantity means the maximum annual quantity of transportation gas which a customer may use as specified in its Service Agreement.

BILLING QUANTITY:

Each month, the Company will bill the customer for the Monthly Delivery Quantity. Billing quantities will be adjusted, as applicable, to reflect the duration of any interruptions of service under Special Provision 2 below, and to reflect gas quantities rolled forward to a subsequent month under Special Provision 9 below.

RATE:

The charges for service under Service Classification No. 9 shall be as stated in the negotiated Service Agreement. The charges will include the following items as applicable: Company transportation, sales service charges, Rollover charges, Cashout Charges and penalty charges. The minimum rate will recover all incremental costs the Company incurs in serving the customer plus provide a reasonable contribution to system costs. These minimum costs may be offset by demonstrable benefits to the Company from the customer.

STATEMENT OF TRANSPORTATION RATES:

All surcharges or refunds applicable to billings for Service Classification Nos. 1, 2, 5, 6, 7, 8, 9, 12 and 13 will be duly filed with the Public Service Commission apart from this rate schedule, not less than two business days prior to the date on which the statement is proposed to be effective. Such statement will be available to the public on the Company's website at www.nationalgridus.com.

STATEMENT OF TERMS:

A statement of the major contract terms of each Service Agreement executed pursuant to this Service Classification will be duly filed with the Public Service Commission, apart from this rate schedule, as soon as is practicable after the contract is executed. The statement will be available to the public at the Company's offices at which application for Service may be made.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 161
REVISION: 1
SUPERSEDING REVISION: 0

**SERVICE CLASSIFICATION NO. 9
NEGOTIATED TRANSPORTATION SERVICE (CONTINUED)**

INCREASE IN RATES AND CHARGES:

The rate and charges under this Service Classification will be increased by a tax factor pursuant to Rule 19 in the **GENERAL INFORMATION** Section of the P.S.C. No. 219 Gas tariff.

TERM:

1. The initial term and renewal options shall be as provided for in the Service Agreement, but in no case less than one year.
2. Upon completion of the Term and any applicable renewal options of a customer's Service Agreement, the customer and Company may agree in writing to extend the provisions and pricing terms of its existing Service Agreement for successive one (1) year periods thereafter. Either Party may terminate the successive one (1) year period renewal option by notifying the other in writing not less than ninety (90) days prior to the completion of such renewal Term.

TERMS OF PAYMENT:

Bills are due when rendered. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 1/2 %).

MINIMUM ANNUAL BILL:

The customer will be billed for the applicable Contract Year's Minimum Annual Delivery Quantity minus the sum of the twelve (12) Monthly Delivery Quantities plus any quantity for under delivery taken under Special Provision 7 multiplied by the then effective Company transportation rate, as per the Service Agreement. Customers whose Service Agreement provides for a demand component in addition to the variable commodity component may, at the sole discretion of the Company, be given waiver of the Minimum Annual Bill requirement under this paragraph.

SPECIAL PROVISIONS:

1. The Company will install, at the customer's expense, the necessary electronic metering equipment, acceptable to the Company, which allows the Company to monitor the customer's daily usage of gas.
2. In addition to the applicable interruptibility provisions stated in the Service Agreement, Gas transported hereunder may be interrupted due to Force Majeure emergencies to the extent of the Maximum Daily Delivery Quantity at the sole discretion of the Company at any time by prior oral or written notice to customer, and customer shall thereupon discontinue service as ordered.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/12
STAMPS: Issued in Compliance with Order of PSC in Case 11-G-0543 dated 5/23/12.

LEAF: 162
REVISION: 3
SUPERSEDING REVISION: 2

**SERVICE CLASSIFICATION NO. 9
NEGOTIATED TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS: (continued)

3. Customer agrees that if they fail to discontinue use of service as ordered by the Company, the Company may disconnect and cancel service. In addition, all usage of gas taken during such period of requested interruption shall be billed at the stated rate in effect at the time, plus the currently effective rate per Dth of unauthorized usage in accordance with Rule 3.3.1 of this schedule.

Customers with distillate alternate fuels, agree that if they fail to meet the alternate fuel requirements set forth in Rule 3.4, the penalties set forth in Rule 3.4 will apply.

4. In the event the Company interrupts customer's service for purposes of peak shaving, the Company shall compensate the customer. The rate of compensation shall be as provided for in the Peak Shaving Agreement.
5. Niagara Mohawk's obligations to deliver customer - owned gas are defined in Rule 3.2 of **GENERAL INFORMATION**.
6. Full cooperation is required from the customer and the upstream pipeline(s) so that the Company may accurately determine the quantities of customer-owned gas received by the Company and those quantities of customer-owned gas actually transported to the customer by the Company.
7. If a discrepancy exists between the Monthly Transportation Quantity indicated by the customer and by the upstream pipeline(s), the latter's quantity shall be billed to the customer.
8. **Under Deliveries:**
 - A. For contracts with an effective date prior to June 1, 1996 customers will become Direct Customers under Daily Balancing under the Terms of S.C. 11 Load Aggregation. The Cashout Provisions and Imbalance Provisions set forth in Rule 29 will not apply.

Supplemental service will be provided on an interruptible basis when the Company, at its sole discretion, has gas supply available. The Company may at its sole discretion require a reduction or interruption in the rate of supplemental natural gas consumption upon not less than two hours notice to customer utilizing the Communications Protocol stated within this service classification. Customer agrees that if customer fails to reduce or interrupt service as ordered by the Company, all of the gas taken during such period of requested interruption or reduction in excess of the amount the customer is permitted to take shall be billed at the stated rate in effect at the time, plus the currently effective rate per Dth of unauthorized usage in accordance with Rule 3.3.1 of this schedule. Charges for supplemental service (Under Deliveries) will be the quantity Under-Delivered times the Calendar Month Rate plus the quantity under-delivered times the Current Commodity Cost Rate. Charges for start-up service will be at the rate specified under S.C. No. 6 Interruptible Gas Transportation Service or will be the quantity used times the Calendar Month Rate plus the quantity used times the Current Commodity Cost Rate.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Effective date postponed to 11/01/12. See Supplement No. 25.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 163
REVISION: 0
SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 9
NEGOTIATED TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS: (continued)

- B. For contracts with an effective date after June 1, 1996:

Under Deliveries will be subject to the appropriate terms of Daily Balancing under Service Classification No. 11. Customers balancing upstream of Niagara Mohawk will not be subject to Daily/Monthly Cashout under the terms of S.C. 11. Customers balancing upstream of Niagara Mohawk may not return to Daily Balancing on Niagara Mohawk.

9. Over Deliveries/Rollover Balance:

- A. For contracts with an effective date prior to June 1, 1996:

The customer's aggregate consumption and deliveries to the Company's system of customer-owned gas will be reconciled. The customer's daily delivery quantity should be equal to daily consumption of customer-owned gas by the customer. All gas rolled over will be considered the first gas to be taken in the subsequent month. In addition to the rollover charges set forth herein, the Company may, at its sole discretion, terminate receipt of transportation gas until the Rollover Balance has been consumed and the customer's account is once again in balance, if the Company determines Rollover Balances threaten its ability to meet the demands of its other customers or is detrimental to the Company's supply economics.

1. Daily Rollover Balance:

In the event the customer receives on any day a quantity of customer-owned gas in excess of the Maximum Daily Delivery Quantity, the customer shall be subject to payment of an overrun penalty of \$1.00 per therm for each therm received in excess of the Maximum Daily Delivery Quantity.

2. Monthly Rollover Balance:

The customer may be allowed a Rollover Balance up to five (5) percent of the customer's aggregate monthly consumption without penalty.

The customer will be assessed a Rollover charge for any volumes in excess of the allowed Rollover Balance. The Rollover charge shall be as stated in the Service Agreement but in no event be less than the greater of:

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 09/01/06

LEAF: 164
REVISION: 1
SUPERSEDING REVISION: 0

**SERVICE CLASSIFICATION NO. 9
NEGOTIATED TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS: (continued)

- a. Two times the then effective 100% load factor base rate per therm resulting from the rates as stated in the Service Agreement;
 - or-
 - b. \$.10 per therm.
- B. For contracts with an effective date after June 1, 1996:
- Over Deliveries will be subject to the applicable terms of Daily Balancing of Service Classification No. 11 of this tariff. Customers balancing upstream of Niagara Mohawk will not be subject to Daily/Monthly Cashout under the terms of S.C. 11. Customers balancing upstream of Niagara Mohawk may not return to the Company's Daily Balancing Program.
10. As between the Company and the customer, the Company shall be deemed to be in control and possession of the gas to be transported hereunder upon receipt of such gas at the receipt point and until it has been delivered at the Delivery Point. The customer shall be deemed to be in possession and control of the gas prior to such receipt by the Company and after such delivery to the customer. Title to gas transported under the Service Agreement will, at all times, vest in customer.
 11. Each customer under this Service Classification warrants that it will, at the time it delivers gas to the Company for transportation, have good and merchantable title to all such gas free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of the adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees or charges applicable to such gas or to the delivery of such gas to the Company for transportation.
 12. When the Company is in a short-term "Force Majeure" supply shortage with its supplier(s), the Company has the right to purchase the customer's own gas supply. Unless otherwise agreed to under a Peak Shaving Agreement, the price to be paid will be the Company's weighted average commodity cost of gas from its supplier(s) for the month.
 13. The Company reserves the right to reject any application for service or nominations under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its upstream pipeline(s), impair or interfere with the Company's operations, or impose costs in excess of those subject to recovery under this Service Classification.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 07/01/17
STAMPS: Issued in compliance with Order of PSC in Case 15-G-0185 dated 06/16/17.

LEAF: 165
REVISION: 6
SUPERSEDING REVISION: 5

**SERVICE CLASSIFICATION NO. 9
NEGOTIATED TRANSPORTATION SERVICE (CONTINUED)**

SPECIAL PROVISIONS: (continued)

14. Service rendered hereunder shall be for a single customer at a single location. Individual agreements are required for each location.
15. The transportation gas must be for the customer's own use at a single location and will not be re-metered, sub-metered, resold, assigned or otherwise disposed of to another or others, except as provided for in the Service Agreement.
16. Communications Protocol. Effective October 2012, the Company will maintain a database of contact information for all of its interruptible customers and interested stakeholders (e.g., DPS Staff, ESCOs, NYSEDA and oil associations). This database will be used to provide notifications to these customers and stakeholders regarding the Company's interruptible service, including: forecast temperatures, potential interruptions, and the initiation/conclusion of actual interruptions. These notifications will be sent via multiple mediums, such as telephone, electronic mail and text message. Beginning October 2012, the Company will perform an annual communications test during which interruptible and temperature controlled customers will be asked to confirm their contact information. The Communications Protocols for all customers served under this service classification are described in the Company's Gas Transportation Operating Procedures Manual, Section VII, as filed with the Public Service Commission. Customers will be required to provide affidavits confirming that they have alternative fuel supply contracts in place for the upcoming winter heating season as described in the Company's Gas Transportation Operating Procedures Manual, Section VII, as filed with the Public Service Commission.
17. Annual System-Wide Test

The Company will conduct an announced annual system-wide test of Customers' compliance under this Service Classification at the beginning of the heating season. If a customer fails to interrupt when required, the customer will participate in an unannounced interruption at the end of January. In addition, the customer will need to provide an affidavit stating that it is in compliance with the Company's tariff and will also include its alternate fuel supplier's contact information.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 166
REVISION: 0
SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 10
NATURAL GAS VEHICLE SERVICE**

APPLICABLE TO USE OF SERVICE FOR:

Service to any customer for the sole purpose of fueling natural gas vehicles. Service shall be metered separately from all other service taken and is subject to restrictions as provided in the Special Provisions herein.

CHARACTER OF SERVICE:

Firm or interruptible natural gas or a mixture of natural gas and other gas of not less than 1018 BTU per cubic foot on a dry basis. Normal pressure six (6) inches, but not less than four (4) inches, water column.

BTU ADJUSTMENT:

Volumes of gas registered at the customer's meter, in Ccf, will be adjusted for Btu content, in Therms, as stated in Rule 14.3.

CUSTOMER DESIGNATION:

Customers receiving service under this Service Classification will be designated as one of the following:

- Type 1: Customer who purchases interruptible uncompressed natural gas service.
- Type 2: Customer who purchases firm uncompressed natural gas service.
- Type 3: Customer who purchases firm uncompressed natural gas service for resale in a public refueling facility.

RATE:

A rate per therm shall be established each month, or more frequently as provided in Special Provision 11, at the sole discretion of the Company, to be effective on the first day of the calendar month following the computation date for each of the categories set forth above.

The rate charged shall be not less than the sum of:

1. For Firm Service - The Average Cost of Gas as calculated in Rule 17.3 of this schedule multiplied by the factor of adjustment as stated in Rule 17.1 of this schedule; or

For Interruptible Service - The current Average Commodity Cost Rate as defined in Rule 17.3.1 of the **GENERAL INFORMATION** Section of this Schedule will apply; and

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 215 of 328

PSC NO: 219 GAS

LEAF: 167

NIAGARA MOHAWK POWER CORPORATION

REVISION: 9

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

**SERVICE CLASSIFICATION NO. 10
NATURAL GAS VEHICLE SERVICE (CONTINUED)**

RATE: (continued)

2. A minimum margin of \$0.08/Therm for Types 1 and 2 customers and \$0.01/Therm for Type 3 customers.
3. Applicable taxes.

Type 1 Customers:

The rate shall not be greater than 80% of the System Retail Price per gallon (based on conversion ratio of 1 therm/1 CCF = .833 gallons). Under market conditions where the floor rate exceeds the ceiling rate, the floor rate will prevail.

Type 2 and 3 Customers:

The rate shall not be greater than 85% of the System Retail Price per gallon (based on conversion ratio of 1 therm/1 CCF = .833 gallons). Under market conditions where the floor rate exceeds the ceiling rate, the floor rate will prevail.

The System Retail Price of Gasoline will be the average of the most recent price for regular unleaded gasoline for the Central and Capital districts obtained from the New York State Energy Office's Retail Petroleum Product Biweekly Price Survey.

STATEMENT OF NATURAL GAS VEHICLE RATES:

The rates shall be filed with the Commission not less than two business days prior to the date on which the statement is proposed to be effective. Such statement will be available to the public on the Company's website at www.nationalgridus.com.

INCREASE IN RATES AND CHARGES:

The rates and charges under this Service Classification will be increased by a tax factor pursuant to Rule 19. Any federal, state and/or local taxes required to be collected by the Company on sales of natural gas for use in motor vehicles shall be charged for all sales made hereunder.

TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the due date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 1/2%).
Budget billing is not available to customers under this Service Classification.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/01/07

LEAF: 168
REVISION: 2
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 10
NATURAL GAS VEHICLE SERVICE (CONTINUED)**

TERM:

The initial term of service is one year commencing with the first day of the month in which natural gas vehicles are able to begin refueling. Service will be continued from year to year thereafter unless terminated by advance written notice of either party to the other, given at least thirty (30) days prior to the applicable annual termination date or at any time by order of the Public Service Commission of the State of New York. The Company may terminate service in the manner provided by law and the rules and regulations set forth in this Gas Tariff.

SPECIAL PROVISIONS:

1. Service under this Service Classification shall be separately metered. The entire expense of installing facilities necessary to accomplish such separate metering shall be borne by the customer.
2. Written application upon Company's prescribed forms is required.
3. Applications for Interruptible Service, under this Service Classification will be accepted only when and to the extent that the Company in its judgement, has sufficient natural gas supply available after providing for the requirements of firm customers, interruptible customers already taking service, and Company use.
4. Interruptible service is provided hereunder only to customers maintaining standby facilities or who are located within a twenty-five mile radius of either a public refueling facility or a Company owned and operated refueling facility.
5. Interruptible gas supplied hereunder may be interrupted at the sole discretion of the Company at any time, upon not less than two hours prior written or oral notice to the customer. The customer shall thereupon discontinue use of the Company's service as requested. The Company will endeavor to provide more than two hours notice whenever possible.
6. The customer agrees that if he/she fails to discontinue their use of service as requested by the Company, all gas taken during such period of requested interruption in excess of the amount the customer is permitted to take, shall be billed at the stated rate in effect at the time, plus the rate currently effective per Dth of unauthorized usage in accordance with Rule 3.3.1 of this schedule. The Company reserves the right, however, to terminate service under this Service Classification for failure of the customer to discontinue use of service when requested by the Company.
7. The Company may install, at its own expense, special equipment for monitoring the customer's total gas use. Cooperation by the customer shall be required for the installation of telephone lines and electrical circuits required for such monitoring.
8. The Company reserves the right to refuse service under this Service Classification if it has been determined that the customer's vehicles and the equipment necessary for the vehicles to be powered by compressed natural gas do not meet Company requirements as to safe design, construction and installation.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 09/02/10

LEAF: 169
REVISION: 2
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 10
NATURAL GAS VEHICLE SERVICE (CONTINUED)**

SPECIAL PROVISIONS: (continued)

9. The authorized agents of the Company shall, at all reasonable times, have such free access to the premises of the customers receiving service under this Service Classification as may be necessary to confirm that gas supplied under this Service Classification is used only in natural gas vehicle filling equipment.
10. Service rendered hereunder shall be for a single customer at a single location and will not be remetered, submetered, resold assigned or otherwise disposed of to another or others. Individual agreements are required for each location.

Type 1 & 2 customers recognized by the Company as active participants in a Company approved buying group are not subject to this provision.
11. The Company reserves the right to revise the rates at its discretion to react to changes in applicable taxes and market conditions. The revised rate will become effective to the customer not less than two business days prior to the filing of a Statement of Revised Rate. Such statement will be duly filed with the Public Service Commission apart from this Schedule.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE:02/01/22

LEAF: 170
REVISION: 4
SUPERSEDING REVISION: 3

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

SERVICE CLASSIFICATION NO. 11 LOAD AGGREGATION

APPLICABLE TO USE OF SERVICE FOR:

Service Classification 11 defines the terms under which eligible customers may receive Daily Balancing Service or Monthly Balancing Service on the Niagara Mohawk system. A qualified entity may be eligible to act as a Marketer or Direct Customer under this Service Classification.

DEFINITIONS:

“Aggregator” - A non-utility entity that aggregates customers (including Direct Customers) for the purpose of obtaining natural gas supply for those customers. It does not sell natural gas supply to those customers.

“Base and Thermal Methodology” - "Daily Baseload" equals the customer's average daily usage in the two months of lowest daily usage during the period of June through September. Annual Baseload equals Daily Baseload multiplied by 365. Thermal usage equals total usage during the twelve-month period minus Annual Baseload. "Degree Day Usage" equals Thermal Usage divided by the total number of degree days during the twelve month period. The Maximum Peak Day Quantity equals the product of Degree Day Usage multiplied by 75 plus Daily Baseload. A negative thermal response will occur for customers whose Annual Baseload is greater than their annual usage.

“City Gate Swing Customer” (CSC) - Is a party who utilizes a specific City Gate Delivery Point established by a DPO, meets the requirements of EGTS, and arranges for service on a no-notice basis from EGTS.

“Delivery Point Operator” (DPO) - Is the Operator of the physical interconnection with EGTS, at which point EGTS may deliver shipper's gas to the Operator.

“Direct Customer” (Customer Pool of One) - A customer that purchases and schedules delivery of natural gas to the Company's City Gate for its own consumption from one or more supplier and not for resale under the Company's Daily Balancing Program. Direct Customers do not have to file an application with the Department of Public Service to become eligible as a Marketer but must comply with certain operating requirements established by the Company. A Direct Customer may aggregate and schedule load for itself and other Direct Customers, each of whom would continue to be responsible individually for meeting requirements placed on Direct Customers. The Direct Customer must consume in excess of 3,500 Dekatherms annually.

“Discontinuance” - Refers to the customer's loss of delivery service due to the non-payment of distribution utility charges.

“Entity” - Means a natural person, corporation, partnership, association, or other legally recognized form of business organization.

“General Storage Service” (GSS) – EGTS's rate schedule governing the storage of gas.

PSC NO: 219 GAS

LEAF: 171

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

SERVICE CLASSIFICATION NO. 11**DEFINITIONS: (continued)**

"Marketer" - Any non-utility entity that is determined eligible by the Department of Public service to provide or arrange to provide gas supply and other services on behalf of end use customers in New York State using the local utility's distribution system.

"Marketer MPDQ" - Means the sum of the MPDQ's of all the customers in the Marketer's Monthly Balancing pool and the Marketer's Core Daily Balancing pool.

"Maximum Delivery Quantity" (MDQ) - Means the maximum quantity that the marketer/customer may deliver daily to the Company's City Gate on behalf of a customer. The MDQ is based on historical usage patterns and expected weather conditions but will in no case be higher than the MPDQ.

"Maximum Peak Day Quantity" (MPDQ) - Means the maximum quantity (based on 75 degrees days) of gas that the customer may take on any winter day. Customers will be assigned an MPDQ in accordance with the Base and Thermal Methodology or based on daily metered data from an approved remote meter.

"Minimum Storage Inventory Level" (MSIL) - Means the minimum level of gas to be maintained in storage by Gas Marketers providing Monthly Balancing Service as prescribed in the Minimum Storage Requirements provision of this Service Classification.

"Minimum Storage Inventory Level Deficiency" - Exists when the required Minimum Storage Inventory Level prescribed in the Minimum Storage Requirements provision of this Service Classification exceeds the amount of gas in the upstream storage operator(s) storage facilities.

"Sales Service" - Means service provided under Service Classification Nos. 1, 2, 5, 7, 8, 10, 12 or 13.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/01/19

LEAF: 172
REVISION: 4
SUPERSEDING REVISION: 3

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

DEFINITIONS: (continued)

“Supplier Select Program” - Is defined as the distribution and delivery by the Company to the customer of natural gas furnished by the customer or by a third party on the customer’s behalf pursuant to the provisions of this Service Classification and applicable provisions of this tariff schedule.

“Suspension” - Refers to the disconnection of delivery service by the Company upon the receipt of a request from a Marketer.

“Termination” - Refers to the termination by a Marketer of its commodity service.

LIMITATION OF AVAILABILITY:

1. The Company will continue to assign capacity as provided for in the Company’s Gas Rate and Restructuring Settlement Agreement dated June 12, 2000.
2. There is no limitation on participation in Daily Balancing Service Program.

ONE CUSTOMER – ONE MARKETER – ONE MARKETER SERVICE:

At any time, each customer may employ only one marketer and may participate in only one aggregation pool.

DIRECT CUSTOMER:

To be a Direct Customer, a customer must be eligible to participate in the Supplier Select Program as set forth in this Service Classification. A Direct Customer shall have all the rights and the obligations of a Marketer under this Service Classification except (1) for obligations imposed by the PSC with respect to regulatory oversight requirements as set forth in this Service Classification and (2) as otherwise expressly provided in this Service Classification.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 221 of 328

PSC NO: 219 GAS

LEAF: 173

NIAGARA MOHAWK POWER CORPORATION

REVISION: 5

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 4

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

MARKETER/DIRECT CUSTOMER ELIGIBILITY:

To participate in the Supplier Select Program, a Marketer/Direct Customer must meet the eligibility requirements set forth in Section 2 of the Uniform Business Practices incorporated as the UBP Addendum of this rate schedule.

Direct Customers must meet the definition set forth in Section 1 of the Uniform Business Practices incorporated as the UBP Addendum of this tariff.

1. To participate in Monthly Balancing Service as set forth in this Service Classification, the Marketer must participate in EGTS's DPO/CSC Program and be set up as a qualified replacement shipper on all pipelines on which Niagara Mohawk releases Upstream Pipeline Capacity and Storage.
2. The Marketer Demonstrates to Niagara Mohawk that it is designated in writing as the entity to provide aggregation service on their behalf by customers on the Niagara Mohawk system who have historic or projected aggregate annual natural gas usage of 50,000 therms or more. The 50,000 therm load requirement applies separately to each type of service (Daily Balancing and Monthly Balancing) offered by the marketer.

VERIFICATION OF PROVISIONS IN MARKETER AGREEMENTS:

1. The Company will not be required to verify provisions of agreements between Marketers and their customers and may rely on Marketer statements relating to provisions in agreements between Marketers and their customers.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 03/01/07

LEAF: 174
REVISION: 4
SUPERSEDING REVISION: 2

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

CREDITWORTHINESS:

1. Each entity must qualify on an individual basis. The currently effective UBP Addendum, Section 3, sets forth the creditworthiness standards that apply to ESCO's and Direct Customers.
 - A. A Marketer/Direct Customer's participation in the Company's Supplier Select Program is contingent upon the Marketer/Direct Customer meeting the credit requirements set forth in the currently effective UBP Addendum, Section 3.
 - B. Direct Customers, participating in Daily Balancing, who are dropped from their marketer's pool either through a voluntary or involuntary action and cannot demonstrate an ability to deliver gas, will have their credit requirement computed in accordance with Section 1B3 of Service Classification No. 11 as set forth on Tariff Leaf No. 178 in lieu of the credit requirements set forth in the currently effective UBP Addendum.

MARKETER DEPOSITS AND PREPAYMENTS:

1. Marketers are required to provide evidence of creditworthiness to the Company before they will be allowed to request prepayments or security deposits from residential and small commercial customers participating in the Gas Supplier Select Program. Residential customers are defined as those Supplier Select customers taking service under Service Classification No. 1 and Service Classification No. 2 with a residential revenue classification. Small commercial customers are defined as those Supplier Select customers taking service under Service Classification No. 2 with a commercial revenue classification. The evidence of creditworthiness provided under this rule will be separate and apart from that provided by a Marketer to become an eligible Marketer in Niagara Mohawk's service territory.
 - A. Marketers will be allowed to accept prepayments from customers if they, or a parent company, if the parent agrees to act as guarantor for the Marketer, submit the required evidence of a minimum bond rating of "BBB" from S&P or Fitch, or a "Baa2" from Moody's by August 1 of each year.
 - B. Marketers will be allowed to accept deposits from customers if they, or a parent company, if the parent agrees to act as guarantor for the Marketer, submit the required evidence of a minimum bond rating as set forth in Rule 1a above, or an escrow account, or letter of credit from an "A" rated financial institution.
2. Marketers are required to maintain records of customer deposits and prepayments. Marketers should be prepared to make this information available for inspection upon request by the Public Service Commission. The Marketers should be prepared to file a report in the manner and form requested by the Public Service Commission.
3. Marketers are required to provide notice to a new customer before the customer makes a deposit or prepayment with the Marketer. Marketers shall notify existing customers before the customer makes a deposit or prepayment with the Marketer by providing copies of revised disclosure statements and/or contracts that contain the information in the notice. Marketers must file an example of the revised disclosure statements and/or contract with the Public Service Commission prior to providing it to customers.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/15/04
STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 07/15/04.

LEAF: 175
REVISION: 2
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

MARKETER DEPOSITS AND PREPAYMENTS: (continued)

- A. The information in the notice and revised disclosure statements and/or contracts would include the following:
1. A description of the credit evidence, escrow account, or letter of credit evidence submitted by the Marketer as set forth in Rules 1a and b above;
 2. Applicable interest rate, if any;
 3. Conditions of use of customer funds;
 4. Circumstances that allow the use of funds for payment of customer bills;
 5. Conditions for return of funds to customers.
4. Any transfers of deposits obtained by the Company under Rule 2.4 will be prohibited. The Company will continue to administer its deposit policy in accordance with Rule 2.4 of this Tariff.

CURTAILMENT PLANS:

Marketers must provide to Niagara Mohawk a copy of their plan for curtailment of their customers in the event of inadequate gas supplies.

ENROLLMENT GUIDELINES:

The currently effective UBP Addendum, Section 5, sets forth the Enrollment Guidelines for customers desiring to take service under the Supplier Select Program.

1. Commencement of Service:
 - A. For new customers, Gas Delivery Service will commence after all connections are complete in accordance with provisions of the Company's Tariff. A special meter reading as applicable will then be performed at no charge. New customers must be accepted by the Company before service may commence; all conditions set forth in the Company's tariffs for the initiation or service to such new customers must be met.
2. Initiation of Service Fees, Deposits, or Other Requirements:
 - A. Any fees, deposit requirements, or other charges identified in the Company's tariff will apply to initiation of Gas Delivery Service to new customers.
 - B. There will be no Company fees for special meter readings if performed in conjunction with the initiation of new delivery service.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 03/01/16
STAMPS: Issued in Compliance with Order of PSC in Case No. 98-M-1343 dated 12/7/15 and 12/23/15

LEAF: 176
REVISION: 10
SUPERSEDING REVISION: 9

SERVICE CLASSIFICATION NO. 11

CHANGE IN SUPPLIER:

1. The new Marketer selected by the customer shall provide to the Company notices of requested switches. The notices shall be in the form of an electronic enrollment, and shall comply with the enrollment requirements set forth in this Service Classification. An enrollment must be sent electronically counting 10 business days from the end of the current month, for an enrollment to receive the next month's cycle start date; if this day falls on a holiday, the enrollment must be sent on the last business day prior to the holiday. Service will not commence, however, until the next scheduled meter reading date. The Company will acknowledge receipt of enrollments within 24 hours.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 177
REVISION: 10
SUPERSEDING REVISION: 8

SERVICE CLASSIFICATION NO. 11

LOAD AGGREGATION SERVICE:

1. Daily Balancing Service:

Daily Balancing Service permits a Marketer to pool the usage of a group of eligible customers for the purpose of determining imbalances.

- A. Customer Eligibility - Daily Balancing Service is available to customers served under Service Classification Nos. 5, 6, 7, 8, 9 and 12 who agree to be non-core customers. SC9 contracts with effective dates before June 1, 1996 will have to amend their existing service agreements in order to participate in Daily Balancing.

The customer and the customer's marketer understand that if Daily Balancing Service is chosen, they must comply with the following conditions:

1. Customer forfeits its ability to obtain future sales service under the Company's Tariff. Customer takes full responsibility and assumes all liability including, but not limited to, contingent liability for its decision to opt to participate in Daily Balancing.
2. Customers served under Service Classification Nos. 5 & 7 classified as Human Needs must certify either 1) 100% dual fuel capability or 2) alternately certify that they maintain or have continuous access to five (5) winter months (November – March) of primary firm capacity from a receipt point, acceptable to the Director of Gas Supply, into the Company's east/west city gate, as applicable, sufficient to meet the customers' Maximum Peak Day Quantity. Customer shall produce proof of such contracted primary firm capacity to the Company as provided in the Gas Transportation Operating Procedures Manual prior to receiving service under Daily Balancing.
3. Customers enrolled in Daily Balancing must have an Approved Remote Meter (ARM) installed and operational.
4. An enrollment must be completed by the customer's approved marketer and submitted to the Company electronically not later than 15 calendar days prior to the month service is to commence. For a 31 day month this will be on the 17th of the month, for a 30 day month this will be on the 16th of the month, for a 29 day month this will be on the 15th of the month and for a 28 day month on the 14th of the month.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/05

LEAF: 177.1
REVISION: 0
SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

LOAD AGGREGATION SERVICE: (continued)

- B. Direct Customer - To receive Daily Balancing Service the Direct Customer must contact the Company not later than 15 calendar days prior to the month service is to commence. The customer may become a Direct Customer effective on the next scheduled read date. For a 31 day month this will be on the 17th of the month, for a 30 day month this will be on the 16th of the month, for a 29 day month this will be on the 15th of the month and for a 28 day month this will be on the 14th of the month.

When a customer participating in Daily Balancing is dropped from their marketer's pool either through a voluntary or involuntary action, the customer will default to Daily balancing as a Direct Customer under the following conditions.

1. For the first calendar month, the Company will track the direct customer's daily usage versus their nominations and the result will be their daily imbalance. If the drop is a result of involuntary discontinuance, and occurs after the month has started, the Company will contact the former marketer to request a customer allocation of gas that may have been delivered up to the drop date. The Daily Cashout provisions set forth in paragraph C (1) below and Rule 29 of this rate schedule will not be applicable. However, the customer will be subject to the Monthly Cashout provisions set forth in Rule C (1) and Rule 29 at the end of the month for the sum total of each day's imbalance. The customer may at any time during the 1st month recruit a gas supplier and have gas delivered on their behalf in order to keep the imbalance to a minimum.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/20/09
STAMPS: Issued in Compliance with Order of PSC in Case 08-G-0609 dated 05/15/09.

LEAF: 178
REVISION: 8
SUPERSEDING REVISION: 6

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

LOAD AGGREGATION SERVICE: (continued)

2. If by the enrollment deadline for the second month, the customer has not been enrolled by another marketer participating in Daily Balancing, the customer will then default to Daily Balancing as a Direct Customer with both Daily and Monthly Cashout Provisions set forth in paragraph C (1) below and Rule 29 being applicable.

In both B (1) and B (2) above, if the customer does not have a gas supplier, the Company will supply the gas on a best efforts basis, subject to Interruption in the case of S.C. 6 customers or Operational Flow Orders for other transportation classes.

3. Direct Customers, participating in Daily Balancing, who are dropped from their marketer's pool either through voluntary or involuntary action, as described in paragraphs B1 and B2 above, and cannot demonstrate the ability to deliver gas to the Company, will be subject to the following credit requirement:
 - a. The credit requirement shall be the product of the Customer's effective MDQ for the applicable month times the Commodity Charge times 30 days. The Commodity Charge shall be the sum of the peak forecasted NYMEX price for the next 12 months plus the effective average demand cost of gas in accordance with Rule 17.3.4 of this rate schedule.

C. Balancing Requirements - The balancing obligations of a Marketer operating a Daily Balancing Service pool are as follows:

1. Daily & Monthly Cashout – A Marketer will be subject to daily and monthly cashout and/or imbalance trading in accordance with Rule 29 of this tariff based on the difference between the aggregate usage of the customers in the Marketer's pool during the month and the total deliveries of gas to the Niagara Mohawk system by or on behalf of the customers in the pool during the month. Marketers or Direct Customers participating in the Company's Daily Balancing Program of this Service Classification will be charged a Monthly Balancing Charge at a rate per therm of MPDQ for Customers in the Marketer's pool calculated in accordance with Rule 17.5 of this tariff.
2. Forced Balancing Operational Flow Order - During any period in which the Company's ability to accommodate imbalances is restricted or impaired, Niagara Mohawk may, upon eight hours advance notice, impose a Forced Balancing Operational Flow Order ("Forced Balancing OFO"). When a Forced Balancing OFO is imposed for under deliveries, usage by customers for whom a Marketer is providing Daily Balancing Service must not exceed deliveries by more than 2-50% as specified in the OFO. When a Forced Balancing OFO is imposed for over deliveries, a Marketer's deliveries must not exceed usage by customers for whom the marketer is providing Daily Balancing Service by more than 2-50% as specified in the OFO. Direct Customers are also subject to Forced Balancing OFO requirements for under and over deliveries. Marketers/Direct Customers will be assessed a penalty equal to the currently effective rate per Dth per day for unauthorized usage in accordance with Rule 3.3.1 of this schedule for imbalances that exceed the OFO limit. Forced Balancing OFO's will not be used to simultaneously restrict over deliveries and under deliveries.

Issued By: Thomas B. King, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/01/19
STAMPS:

LEAF: 178.1
REVISION: 0
SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

LOAD AGGREGATION SERVICE: (continued)

1. Minimum Delivery Requirements - Marketers with East gate customers will be required to deliver a designated percentage of their total East gate nominations via the Tennessee Gas Pipeline on days when the average Albany temperature is below a designated temperature. The percentage and temperature will be specified in the Company's Gas Transportation Operating Procedures Manual. The penalty for not meeting the TGP delivery requirement will be a per dekatherm charge of \$25 plus the Gas Daily TGP Zone 6 plus variables from Zone 6-5. The \$25 increases to \$50 during OFOs.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 179
REVISION: 14
SUPERSEDING REVISION: 12

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

2. Monthly Balancing Service:

- A. Eligibility - Monthly Balancing Service is available to customers who have taken service under Service Classification Nos. 1, 2, 5, 7, 12 and 13 who have met the term provisions of their respective service classifications and who have an approved Marketer. Service Classification No. 12 customers must have initially elected commodity service from the Company in order to participate in Monthly Balancing. To receive Monthly Balancing Service, an enrollment must be completed by the customer's approved Marketer and submitted to the Company electronically not later than 15 calendar days prior to the month service is to commence. For a 31 day month this will be on the 17th of the month, for a 30 day month this will be on the 16th of the month, for a 29day month this will be on the 15th of the month and for a 28 day month on the 14th of the month. If the Company does not have access to the customer's meter, an estimated read may be used if the Company has an actual read within the last 150 days, otherwise, the enrollment will not occur.
- B. The Monthly Balancing Program is designed around and offered in conjunction with EGTS's Delivery Point Operator (DPO) and Citygate Swing Customer (CSC) Program under EGTS rate schedules FT, FTNNGSS and GSS. The Company reserves the right to allocate other upstream capacity, as needed in order to maintain the Company's system reliability.

3. Allocation of Upstream Capacity:

All Marketer loads must be served using a release of the Company's Upstream Capacity and Storage as set forth in Rules 3A, and 4A-C below. Marketers must accept all capacity releases or assignments.

- A. Release of Capacity - All capacity allocated to the Monthly Balancing and Core Daily Balancing Service customers of a single Marketer will be released by Niagara Mohawk to the Marketer on behalf of the customer in a prearranged capacity release transaction at maximum demand rates in accordance with the capacity release provisions of the tariff of the applicable pipeline. The term of each such release will be for one calendar month. All releases will occur in each month of the year and will be made subject to recall as further described in Rule 4C. EGTS, TGP, IGT, Union, and TransCanada capacity is allocated to Monthly and Core Daily Balancing Service customers equal to percentages of their Maximum Peak Day Quantity as further defined in Leaf 171, provided the customer has a positive thermal response. The percentages are indicated in the Niagara Mohawk Gas Transportation Operating Procedure. The Company reserves the right to change the capacity and allocation, as needed, to maintain the Company's system reliability.

Minimum daily delivery requirements may apply on all released capacity as indicated in the Niagara Mohawk Gas Transportation Operating Procedure. Penalties will apply if daily requirements are not satisfied per leaf 185.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22

LEAF: 180
REVISION: 9
SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

LOAD AGGREGATION SERVICE: (continued)

4.Release of GSS Storage:

- A. Release of GSS Storage - EGTS Storage Demand and Storage Capacity will be released to Marketers participating in Monthly Balancing Service on behalf of customers in a prearranged storage release transaction at Maximum Demand Rates in accordance with the release provisions of the tariff of EGTS. The term of each such release will be for one calendar month. The amount of EGTS GSS storage demand released on behalf of a given customer will equal the percentage set forth on the Statement of Balancing Charges, updated each November 1, multiplied by their Maximum Peak Day Quantity as further defined in Leaf 171. The customer's storage capacity will equal the percentage set forth on the Statement of Balancing Charges, updated each November 1, multiplied by their Maximum Peak Day Quantity times 52.3 days, provided the customer has a positive thermal response. The Company reserves the right to change the capacity and allocation, as needed, to maintain the Company's system reliability.
- B. Release of Storage Transportation - EGTS FTNNGSS Transportation Capacity will be released to Marketers participating in Monthly Balancing Service on behalf of customers in a prearranged transportation release transaction at Maximum demand rates in accordance with the release provisions of the tariff of EGTS. The term of each such release will be for one calendar month. The amount of FTNNGSS transportation capacity to be released on behalf of a given customer will equal the percentage set forth on the Statement of Balancing Charges, updated each November 1, multiplied by their Maximum Peak Day Quantity as further defined in Leaf 171, provided the customer has a positive thermal response. The Company reserves the right to change the capacity and allocation, as needed, to maintain the Company's system reliability.
- C. Recall - All releases under Paragraph 3 and 4 will be made subject to the following conditions: (i) the capacity is recallable by Niagara Mohawk when a customer elects to change Marketers; (ii) the capacity is recallable by Niagara Mohawk when a Marketer fails to perform its obligations under this tariff; (iii) the capacity is recallable by Niagara Mohawk when a Marketer ceases to meet the credit or security requirements of this service classification and (iv) the capacity is recallable by Niagara Mohawk if the customer discontinues service.

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 11/01/18
 STAMPS:

LEAF: 181
 REVISION: 7
 SUPERSEDING REVISION: 6

**SERVICE CLASSIFICATION NO. 11
 LOAD AGGREGATION (CONTINUED)**

LOAD AGGREGATION SERVICE: (continued)

5. Minimum Storage Requirements:

Gas Marketers participating in Monthly Balancing Service must meet Minimum Storage Inventory Levels (MSIL) on released storage capacity upstream of Niagara Mohawk's city gates or, if a Gas Marketer chooses, provide additional financial security, in the form of a Standby Letter of Credit prescribed by the Company or Advance Cash Deposit for the winter season in lieu of the MSIL as follows:

A. Marketer Chooses to Maintain Minimum Storage Inventory Levels:

Gas Marketers choosing to meet Minimum Storage Inventory Levels (MSIL) must meet MSIL on released storage capacity upstream of Niagara Mohawk's city gates as follows:

October 1 through October 31	MSIL equals (Marketer MPDQ x 52.3 Days) x 65% x allocation percentage as described on Leaf 180
November 1 through January 31	MSIL equals (Marketer MPDQ x 52.3 Days) x 35% x allocation percentage as described on Leaf 180
February 1 through March 15	MSIL equals (Marketer MPDQ x 52.3 Days) x 15% x allocation percentage as described on Leaf 180

If at any time from October 1 through March 15, the Gas Marketer does not meet the Minimum Storage Inventory Levels set forth above, the Company will notify the Gas Marketer that it has ten (10) calendar days to cure the deficiency or provide financial security in accordance with item (B) below.

B. Marketer Chooses Not to Maintain Minimum Storage Inventory Levels:

Marketers choosing not to maintain the MSIL are required to post financial security in the form of a Standby Letter of Credit or Advance Cash Deposit for the duration of the winter season in an amount equal to the sum of Marketer's MPDQ times allocation percentage as described on Leaf 180 times 52.3 days times the peak forecasted NYMEX price for the current winter months plus the effective average demand cost of gas in accordance with Rule 17.3.4 of this rate schedule. All or any unused portion of the financial security with applicable interest will be returned to the marketer within 30 days of March 31 of each year.

Gas Marketers participating in the Company's Monthly Balancing Service under this Service Classification will default to Option (A) and agree to authorize the Company to access Gas Marketers' storage balance information on upstream storage operator(s) unless:

1. Marketer provides in writing by September 1 of each year that it chooses Option (B) and does not agree to authorize the Company to access Gas Marketers' storage balance information on upstream storage operator(s) and,
2. Marketer provides by October 1 of each year the required security in the form of a Standby Letter of Credit or Advance Cash Deposit.

Issued By: John Bruckner, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 182
REVISION: 6
SUPERSEDING REVISION: 4

SERVICE CLASSIFICATION NO. 11

LOAD AGGREGATION SERVICE: (continued)

5. Minimum Storage Requirements: (continued)

If the Gas Marketer does not cure the storage deficiency or provide financial security within the ten (10) calendar day cure period the Company will, at its sole discretion, return the Gas Marketer's customers to sales service in accordance with Special Provision 11 of the Monthly Balancing Service section of this schedule. In the event the gas in storage is less than the volume required to be transferred back to the Company as described on Leaf 183, the Company will send an invoice to the Marketer for the insufficient volume times the peak forecasted NYMEX price for the remainder of the winter months plus the effective demand cost of gas in accordance with Rule 17.3.4 of this rate schedule.

Information provided to Niagara Mohawk regarding Minimum Storage Inventory levels ("Confidential Information") shall, for a period of one (1) year from the date of written disclosure, be held in confidence by Niagara Mohawk and its representatives, attorneys and agents nor shall it be disclosed to others by Niagara Mohawk without the prior written approval of the disclosing Gas Marketer. The above notwithstanding, Confidential Information may be disclosed by Niagara Mohawk to (a) its officers, directors, employees and attorneys, as representatives of Niagara Mohawk, who require knowledge thereof in connection with their duties in carrying out the aforesaid purpose of the minimum storage level tariff and (b) to a judicial or regulatory body requiring its disclosure, provided that, prior to such disclosure, Niagara Mohawk has notified the disclosing Gas Marketer of the requirement with an opportunity for the Gas Marketer to object or seek an appropriate protective order.

6. Termination of Sales Service:

Upon commencement of Monthly Balancing Service to a customer, sales service by Niagara Mohawk will terminate and Niagara Mohawk will have no further obligation to maintain the availability of gas supplies except for residential and human needs customers. The Company will maintain availability of gas supplies for residential customers and human needs customers. Costs for maintaining such supplies will be recovered through a standby charge per MPDQ.

7. Forecast Daily Contract Quantity:

Based on historic usage patterns and expected weather conditions, Niagara Mohawk will issue a Daily Contract Quantity not less than two (2) business days prior to the first day of each month establishing the quantity of gas to be delivered daily by a Marketer for each Monthly Balancing Service pool operated by the Marketer.

Niagara Mohawk may increase or decrease the Forecast Daily Contract Quantity each day thereafter on notice to the Marketer provided no later than 3:00 p.m. Eastern Time on the same day of the effective date of the change.

PSC NO: 219 GAS

LEAF: 183

NIAGARA MOHAWK POWER CORPORATION

REVISION: 10

INITIAL EFFECTIVE DATE:02/01/22

SUPERSEDING REVISION: 8

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

LOAD AGGREGATION SERVICE: (continued)

8. Actual Daily Contract Quantity:

Niagara Mohawk will issue to each Marketer of a Monthly Balancing Pool a Daily Contract Quantity, based on actual heating degree days, the day following the delivery of the forecasted Daily Contract Quantity provided in accordance with paragraph 7 Leaf 182. The difference between the actual Daily Contract Quantity and the Marketer's nominations on non-EGTS pipelines and Peaking will result in a change to the Marketer's GSS storage balance.

Peaking service will be provided on days when actual Daily Contract Quantity exceeds all other capacity released to the Marketers.

The Demand charge component associated with Peaking assets will be applied during Winter (November through April) and will include all supplier reservation charges for peaking supplies including but not limited to compressed natural gas (CNG), city gate delivered supplies, and Ellisburg and Canajoharie supplies.

The Commodity charge component associated with the Peaking asset will only be applied if the Marketer uses Peaking supply and the applicable rate will be the straight average of the Gas Daily EGTS North Point common (mid-point) and South Point/Mid-Point indices plus variables to the city gate, the Gas Daily Iroquois Receipts index plus variables to the city gate and the Gas Daily Tennessee Zone 6 index plus variables to the city gate.

9. Storage Transfer for Customers:

Niagara Mohawk will transfer storage inventory to each Marketer participating in Monthly Balancing on behalf of customers migrating from sales service. The amount of storage gas to be transferred will represent one seventh of the winter storage requirement (based on the months November through March) for each month from April through October and then reduced by 10% effective December 1st, 24% effective January 1, February 1 and March 1 and 18% effective April 1. (See Table Below for Storage Inventory Transfers). The Storage Gas Transfer Rate for customers migrating will be the sum of (1) Niagara Mohawk's estimated average commodity cost of gas in storage, plus (2) the Demand Transfer Recovery Rate (DTR Rate). The Storage Gas Transfer Rate will be set forth on a statement and filed with the Public Service Commission not less than two business days prior to the date on which the statement is proposed to be effective. As an example, if a customer selects a Marketer on September 10 of any year, the Marketer will pay the Storage Gas Transfer Rate which is equal to the effective DTR Rate for each September plus Niagara Mohawk's estimated average cost of gas in storage as of September 30 on six sevenths of the storage inventory transfer. The storage transfer would take place and the Marketer would begin serving the customer as of October 1st. If the storage capacity release percentage set forth on the Statement of Balancing Charges increases from October to November, these rules will also apply to the incremental storage capacity released.

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE:11/01/18
 STAMPS:

LEAF: 183.1
 REVISION: 0
 SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 11
 LOAD AGGREGATION (CONTINUED)**

Storage Inventory Transfer Schedule		
Apr 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	0%
May 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	14.3%
Jun 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	28.6%
Jul 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	42.9%
Aug 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	57.1%
Sept 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	71.4%
Oct 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	85.7%
Nov 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	100%
Dec 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	90%
Jan 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	66%
Feb 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	42%
Mar 1	((New Enrollments from Sales Service-MPDQ) x allocation %*) x 52.3 days) x	18%

*As shown on Statement of Balancing Charges effective each November 1

Issued By: John Bruckner, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/01/19
STAMPS:

LEAF: 184
REVISION: 11
SUPERSEDING REVISION: 10

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

LOAD AGGREGATION SERVICE: (continued)

10. Calculation of DTR Rate:

The DTR Rate shall be equal to the System Average Unrecovered Demand Charge revenue per therm beginning in the month of April through the initial month that storage capacity is released to the Marketer. All demand charges will be included in this calculation. The System Average Unrecovered Demand Charge revenue shall equal the sum of the differences between the Demand Charge revenues collected and the average Fixed Demand costs incurred beginning the month of April through the initial month that storage capacity is released to the Marketer. The DTR Rate will be set forth on the Storage Transfer Rate Statement to be filed with the Public Service Commission not less than two business days prior to the date on which the statement is proposed to be effective.

11. Customers Returning to Sales Service:

In the event a customer participating in Monthly Balancing Service switches from transportation service to sales service, storage inventory shall be returned to Niagara Mohawk unless mutually agreed upon between Niagara Mohawk and the Marketer. The storage inventory amount will be calculated on the same basis as the storage transfer clause as referenced in Storage Transfer for Customers Migrating. Niagara Mohawk will pay the Marketer the average commodity cost of gas in Niagara Mohawk's storage account as stated on the effective Storage Transfer Rate Statement. In the event the Marketer transfers insufficient storage volumes to Niagara Mohawk, the Company will bill the Marketer the difference between the required amount and the amount actually transferred times the peak forecasted NYMEX price for the remainder of the winter (during November through March) or summer (April through October) months plus the effective demand cost of gas in accordance with Rule 17.3.4 of this rate schedule. The Marketer shall be responsible for all taxes and pipeline fees associated with moving or transferring the storage gas to Niagara Mohawk. If the storage capacity release percentage set forth on the Statement of Balancing Charges decreases from October to November, these rules will also apply to the amount of storage capacity returned to the Company.

12. Customers Switching Marketers:

In the event a customer participating in Monthly Balancing Service switches Marketers, storage inventory volumes shall be returned to Niagara Mohawk by the previous Marketer, and in turn, Niagara Mohawk will transfer same storage inventory volume to the customer's new Marketer. The storage inventory amount will be calculated on the same basis as the storage transfer clause as referenced in Storage Transfer for Customers Migrating. Niagara Mohawk will pay the previous Marketer and receive from the current Marketer the average commodity cost of gas in Niagara Mohawk's storage account as stated on the effective Storage Transfer Rate Statement. In the event the Marketer transfers insufficient storage volumes to Niagara Mohawk, the Company will bill the Marketer the difference between the required amount and the amount actually transferred times the peak forecasted NYMEX price for the remainder of the winter (during November through March) or summer (April through October) months plus the effective demand cost of gas in accordance with Rule 17.3.4 of this rate schedule. The Marketer shall be responsible for all taxes and pipeline fees associated with moving or transferring the storage gas to Niagara Mohawk.

Issued By: John Bruckner, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 05/01/19
STAMPS:

LEAF: 185
REVISION: 7
SUPERSEDING REVISION: 6

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

LOAD AGGREGATION SERVICE: (continued)

13. True Up of Actual Usage to Nominations:

Actual usage for each Monthly Balancing Pool will be trued up to nominations by billing cycle. The difference between the actual usage and the Actual DCQ deliveries will be cashed out using the average of the daily cashout rates described in Rule 29.3.1.2.

14. Minimum Delivery Requirements:

Tennessee Gas Pipeline: Marketers with East gate customers will be required to deliver the lesser of a designated percentage of their East gate forecasted DCQ or their Tennessee Gas Pipeline capacity release volume via Tennessee Gas Pipeline on days when the average Albany temperature is below a designated temperature. The percentage and temperature will be specified in the Company's Gas Transportation Operating Procedures Manual. The penalty for not meeting the Tennessee Gas Pipeline delivery requirement will be a per dekatherm charge of \$25 plus the Gas Daily Tennessee Gas Pipeline Zone 6 plus variables from Zone 6-5 or \$50 plus the Gas Daily Tennessee Gas Pipeline Zone 6 plus variables from Zone 6-5 during Company-issued OFOs.

Iroquois Gas Transmission System: All Marketers will be required to deliver the lesser of a designated percentage of their total forecasted DCQ or their Iroquois Gas Transmission System released capacity volume via Iroquois Gas Transmission System each day during November through April. The percentage will be specified in the Company's Gas Transportation Operating Procedures Manual. The penalty for not meeting the Iroquois Gas Transmission System delivery requirement will be a per dekatherm charge of \$25 plus the Gas Daily Iroquois Receipts plus variables within Zone 1 or \$50 plus the Gas Daily Iroquois Receipts plus variables within Zone 1 during Company-issued OFOs.

PSC NO: 219 GAS

LEAF: 186

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 11/01/07

SUPERSEDING REVISION: 2

STAMPS: Issued in Compliance with Order of PSC in Case 07-G-0299 dated 8/30/07.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

SPECIAL CONDITIONS:

1. Calculation of MPDQ:

A. MPDQ will be calculated according to the following methodology:

“Daily Baseload” equals the customer’s total usage in the two months of lowest usage during the period of June through September, divided by the number of days in the two months. “Annual Baseload” equals Daily Baseload multiplied by 365. “Thermal Usage” equals total usage during the twelve month period minus Annual Baseload. “Degree Day Usage” equals Thermal Usage divided by the total number of degree days during the twelve month period. Maximum Peak Day Quantity equals Degree Day Usage times 75 plus Daily Baseload.

For customers whose Annual Baseload is greater than total annual usage, a negative thermal response will occur. For accounts where a negative thermal response is normal, an alternate formula will be used to calculate the MPDQ.

2. Electronic Filing:

If an electronic version of any required Form set forth in this tariff is utilized, the Marketer’s electronic submittal of such Form will have the full legal force and effect as if a signed document had been delivered to the Company. A Marketer waives any and all rights to challenge the legality of the electronically submitted Form on the grounds that the Company does not have an enforceable written agreement signed by the Marketer.

TRANSFER OF HISTORICAL USAGE, BILLING AND CREDIT INFORMATION:

The transfer of historical usage, billing and credit information is set forth in the currently effective UBP Addendum, Section 4.

1. A fee of \$15.00 will be charged for each year of data (customer contact information, billing determinant information, and credit information) beyond the most recent 24 month period, or for detailed interval data per account for any length of term.
2. Information will be provided “as is”, “where is”. No warranty of any kind is offered or provided (including any warranties of merchantability and fitness for a particular purpose).
3. All historic customer information obtained from the Company by a Marketer shall be kept confidential and not disclosed to others, including subcontractors and successors, unless otherwise authorized by the customer. All other customer information, such as account numbers (and any passwords used, if applicable), telephone numbers and service addresses shall also be kept confidential and not disclosed to others, unless otherwise authorized by the customer. These provisions shall survive the Marketer’s/Direct Customer’s participation in the Supplier Select Program.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 238 of 328

PSC NO: 219 GAS

LEAF: 187

NIAGARA MOHAWK POWER CORPORATION

REVISION: 8

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 6

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)****LOAD AGGREGATION SERVICE: (continued)****TRANSFER OF CURRENT BILLING DATA:**

The currently effective UBP Addendum, Section 4, sets forth the requirements for the transfer of current billing data.

1. Data will be provided "as is", "where is". No warranty of any kind is offered or provided (including any warranties of merchantability and fitness for a particular purpose).
2. These provisions shall survive the Marketer's/Direct Customer's participation in the Supplier Select Program.

ALTERNATE BILLING ARRANGEMENTS:

The currently effective UBP Addendum, Section 9, establishes the requirements for alternative billing arrangements and payment processing options.

1. Billing Charges and Billing Backout Credits:

A customer who receives gas service from a Marketer and receives a consolidated bill from either the Company or the Marketer will receive a Billing Backout Credit as described in the chart below. If the consolidated bill is issued by the Company, the Marketer will pay the billing Charges described in the chart. The following chart sets forth the Customer Billing Backout Credits and the Marketer Billing Charge.

Type of Customer	Type of Marketer Service	Marketer Billing Charge	Customer Backout Credit
Gas Only	Marketer Supplies Gas	\$0.82	\$0.82
Dual Gas & Electric	Marketer Supplies Gas	\$0.41	\$0.41

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 188
REVISION: 4
SUPERSEDING REVISION: 2

SERVICE CLASSIFICATION NO. 11

ALTERNATE BILLING ARRANGEMENTS: (continued)

2. Account Separation Fee:
 - A. If a combination customer chooses to receive a consolidated bill from a Marketer, but chooses to receive gas and electric supply service from two different suppliers (Company or Marketer/ESCO), the combination account will be separated into separate gas and electric accounts with a single bill (delivery and supply) rendered for each account.
 - B. The party requesting the enrollment or change in billing arrangement that initiates the account separation of a combination account will be charged a fee of \$25.46 to separate the account. This fee shall cover the one time cost of recombining the separate accounts if required in the future.

OTHER BILLING, COLLECTION SERVICES, AND CHARGES:

The currently effective UBP Addendum, Sections 7 and 8, establishes the requirements for other billing, collection services, and charges.

1. Invoice Payments:
 - A. Upon failure of the Marketer/Direct Customer to make any payment when due, the Company has the right to draw down on any security that may be available, as described in this Service Classification.
 - B. The Company reserves the right to set off against any sums otherwise payable to the Marketer/Direct Customer (i) any amounts invoiced by the Company pursuant to this Service Classification or pursuant to any written agreement with the Marketer/Direct Customer in connection with the Supplier Select Program, or pursuant to the Tariff; (ii) any other sums owed by the Marketer/Direct Customer to the Company; and (iii) any late payment charges or deposits that have not been paid.
 - C. The costs of any payment defaults that occur due to mutually agreed-upon terms between the Company and a Marketer/Direct Customer will not be borne by any other Marketers/Direct Customers, or customers.
 - D. Bills will not be suspended as a consequence of a complaint filed with the DPS.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 240 of 328

PSC NO: 219 GAS

LEAF: 189

NIAGARA MOHAWK POWER CORPORATION

REVISION: 12

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 10

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

OTHER BILLING, COLLECTION SERVICES, AND CHARGES: (continued)

2. Billing Questions and Disputes:
 - A. All questions concerning invoices shall be directed in writing to the Company's designated department, which will direct such inquiries to the Company's cognizant representatives who will explain how the invoice amounts were determined.
3. Charges to Marketers/Direct Customers from the Company. The Company will charge Marketers/Direct Customers for the following:
 - A. Monthly Cashout of Imbalances pursuant to Rule 29, Forced Balancing OFO Charges, Capacity Release True-Up Charges, and Monthly Balancing Charges.
 - B. Potential late payment charges, at a rate of 1.5% per month, applicable to all overdue billed amounts, including arrears and unpaid late payment charges and to underbillings, as determined through the Dispute Resolution Process set forth in the Uniform Business Practices set forth in the currently effective UBP Addendum. Interest on the latter is payable only when associated with a finding of deficiency on the part of the party holding the funds determined to be due the other party.
 - C. Additional historical customer usage, billing and credit information available upon request under this Service Classification.
 - D. Other rates and charges approved by the PSC and set forth in the Company's Tariff, including, but not limited to transportation or distribution rates, miscellaneous surcharges and taxes.
 - E. Marketer Initiated Disconnect Charges:
 1. When the Company disconnects a gas service to a customer for non-payment of commodity charges initiated by a Marketer, a disconnect charge will be assessed. The charge applicable to all Marketers will be \$54.00.
 2. When the Company disconnects gas service to a customer for non-payment of commodity charges initiated by a Marketer and disconnects the same customer for non-payment of delivery charges for the utility, the charges in 3.E.1. will be reduced by 50 percent.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 241 of 328

PSC NO: 219 GAS

LEAF: 190

NIAGARA MOHAWK POWER CORPORATION

REVISION: 6

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 4

STAMPS: Issued in Compliance with Order of PSC in Case No. 17-G-0239 dated March 15, 2018.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

OTHER BILLING, COLLECTION SERVICES, AND CHARGES: (continued)

SWITCHING AND SLAMMING:

The currently effective UBP Addendum, Section 5, establishes the requirements for switching and slamming.

1. Customer Change of Marketers:

- A. The new Marketer selected by the customer shall provide to the Company notices of requested switches. The notices shall be in the form of an electronic enrollment, and shall comply with the enrollment requirements set forth in this Service Classification. An enrollment must be sent electronically counting 10 business days from the end of the current month, for an enrollment to receive the next month's cycle start date; if this day falls on a holiday, the enrollment must be sent on the last business day prior to the holiday.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/07
STAMPS: Issued in Compliance with Order of PSC in Case 06-G-0059 dated 08/23/07.

LEAF: 191
REVISION: 3
SUPERSEDING REVISION: 2

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

VERIFICATION OF ACCOUNTS:

The currently effective UBP Addendum, Section 5, Paragraph L, refers to the verification of accounts.

BUDGET BILLING ADJUSTMENTS:

The currently effective UBP Addendum, Section 5, Paragraph L, refers to the budget billing adjustments.

CUSTOMER RETURN TO COMPANY SALES SERVICE:

1.
 - A. The Company will maintain availability of gas supplies for residential and human needs customers.
 - B. All Monthly Balancing customers except for residential or human needs monthly balancing customers, may return to Sales Service if Niagara Mohawk, in its judgment, has adequate supplies of gas and upstream capacity available to serve the customer and the customer authorizes Niagara Mohawk to recall the upstream pipeline capacity previously released to the customer. If capacity allocated to a customer is recalled from the customer's Marketer, the customer will be provided Sales Service for the balance of the month in which the recall occurred, and for two months thereafter. A customer who does not obtain a qualified Marketer within this period will be required to remain on Sales Service for the minimum term of the applicable Service Classification.
 - C. The Company will charge customers who return to the Company for Sales Service the rates as set forth in the applicable Service Classification.
2. Daily Balancing customers who are dropped from their Marketer's pool either through a voluntary or involuntary action will default to Daily Balancing as a Direct Customer as more fully explained in the Daily Balancing Service section of this Service Classification.

SLAMMING, CRAMMING, AND OTHER SIMILAR PRACTICES:

The currently effective UBP Addendum, Section 5, Paragraph K, and Section 9, Paragraph G, refer to slamming, cramming, and other similar practices.

DISCONTINUANCE OF SERVICE:

The currently effective UBP Addendum, Section 5, Paragraph H, refers to Voluntary Discontinuance of Service.

PSC NO: 219 GAS

LEAF: 192

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 1

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/15/04
STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 07/15/04.

LEAF: 193
REVISION: 2
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

DISCONTINUANCE OF SALES BY MARKETER TO AN INDIVIDUAL CUSTOMER:

The currently effective UBP Addendum, Section 5, refers to Changes in Service Providers.

1. A Marketer may discontinue sales to an individual customer in the Company's service territory at will (except as may be otherwise limited by a contract with the customer), upon submission of a notice to the individual customer and to the Company at least 15 calendar days prior to the discontinuance date.
 - A. The notice to the Company shall be in the form of a completed Drop Request.
 - B. The notice to the customer shall inform the customer:
 1. Of the effective date of the discontinuance, as described in this Service Classification;
 2. Of the customer's option either to select another Marketer to be the energy service provider or, if the customer is a Monthly Balancing Customer, to return to the Company's Sales Service;
 3. That if the customer does select a Marketer, that Marketer will file a switch request with the Company on the customer's behalf, and there will be no fee charged by the Company for the switch;
 4. That for Monthly Balancing Customers, after the discontinuance and until a new Marketer is selected and the switch is completed, service will be provided by the Company under the applicable Tariff rate, unless the Company has notified the customer that delivery services will be terminated on or before the discontinuance date; and
 5. That for Daily Balancing Customers, after the discontinuance and until a new Marketer is selected and the switch is completed, the customer will remain on Daily Balancing Service as provided for in Service Classification No. 11.
2. The discontinuance of a Marketer's Service to a customer will not be deemed effective until the date the Company obtains its next actual meter reading of the customer's meter according to the Company's regular meter reading schedule.
3. If the Marketer does not give the required notice to the customer and to the Company, the Marketer may be determined ineligible by the PSC to sell electricity or natural gas to retail customers in the State of New York and/or may be assessed a monetary penalty by the PSC.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/19/04
STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

LEAF: 194
REVISION: 2
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

DISCONTINUANCE OF SALES BY MARKETER TO AN INDIVIDUAL CUSTOMER: (continued)

4. If after receiving a Marketer's written termination notice, the customer has not contacted the Company or another Marketer during the 15 calendar day period, the customer will receive Sales Service from the Company once again effective as of the next actual meter reading.
5. Upon receipt of a completed enrollment from a subsequent Marketer following the discontinuance notice, the Company will verify the intended switch with the customer in accordance with this Service Classification.
6. A sample copy of the notice to the customer under this process shall be provided to the DPS for review at least 5 calendar days before the letter is sent to the customer.
7. In accordance with Public Service Law, Article 2, and Chapter 686 of the Laws of 2003, effective June 18, 2003, Residential Customers who obtained their commodity service from a Marketer and received a consolidated bill from the Company may have their delivery and commodity services terminated by the Company for failure to pay their commodity charges with a Marketer under the following conditions:
 - A. The Company is notified by the Marketer in a manner and form as prescribed by the Public Service Commission. The request for termination must include sufficient documentation to confirm that such termination was in compliance with Public Service Law, Article 2.
 1. The Company will accept, after review for completeness, a request for suspension of delivery service submitted by the Marketer. A Marketer may request suspension of a Residential Customer's delivery service within one year after termination of the customer's commodity service.
 - a. The Marketer notice to the Company requesting suspension of service to a customer shall, at a minimum, provide:
 1. a statement that the customer received a consolidated bill;
 2. confirmation that the Marketer is able to, and will, take all actions within its control to resume service, in accordance with the terms of its agreement for commodity service, if full payment of the amount that served as the basis for the termination notice is made or a Deferred Payment Agreement is signed;
 3. a statement that the Marketer has not assigned the right to obtain payment to a non-utility; and

PSC NO: 219 GAS

LEAF: 194.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

DISCONTINUANCE OF SALES BY MARKETER TO AN INDIVIDUAL CUSTOMER: (continued)

4. the amount the customer must remit to the Marketer (or the billing entity) in order to avoid suspension. This amount will be the lesser of
a) the amount the customer would have paid to the Company for delivery and commodity service coincident with the time period that the customer is in arrears with the Marketer or, b) the amount due the Marketer plus the amount due the Company for delivery service.
 2. Upon receipt of a Marketer's request for termination, the Company will follow HEFPA procedures prior to discontinuing delivery services to the Residential Customer.
 3. If the amount calculated by the Company to resume service for a Marketer-initiated suspension of delivery service is less than the amount that the customer is in arrears with the Marketer for termination, the customer will still be liable for any difference between the total arrears owed and the payment made to restore service.
- B. The Company is providing distribution services to the customer at the time of termination.
- C. In accordance with all the provisions of Rule No. 15.10, a Deferred Payment Agreement will be offered by the Company and Marketer, either jointly or separately at the Company's and Marketer's discretion, before service is terminated. The customer must accept and abide by the terms of the Deferred Payment Agreement.
- D. The Marketer may only request the Company to suspend delivery service for the commodity for which the Residential Customer is in arrears to the Marketer.
- E. The Company will implement the Marketer initiated suspension within the same schedule as the Company's suspensions. If the Marketer initiated suspension cannot be implemented on a timely basis, the Marketer will be notified and a subsequent suspension to the Residential Customer will be issued, if necessary and all reasonable action to effectuate suspension as soon as possible will be taken.

PSC NO: 219 GAS

LEAF: 195

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 08/15/04

SUPERSEDING REVISION: 2

STAMPS: Issued in Compliance with Order of PSC in Case No. 98-M-1343 dated 07/15/04.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

DISCONTINUANCE OF SALES BY MARKETER TO AN INDIVIDUAL CUSTOMER: (continued)

- F. All Marketer initiated disconnection of service for non-payment of commodity charges will be subject to the charges established by the Company in Case Nos. 99-M-0631 and 03-M-0117 and will be the responsibility of the Marketer requesting suspension as per Rule 3E of Service Classification No. 11 – Other Billing, Collection Service, and Charges.
- G. The Company will take all action within its control necessary to resume service of gas delivery and commodity to the Residential Customer if the customer makes full payment of the amount of arrears that were the basis for the termination.
- H. The Marketer must provide evidence to the Company that the customer's enrollment for the service has been dropped.

INVOLUNTARY DISCONTINUANCE OF A MARKETER'S PARTICIPATION IN THE SUPPLIER SELECT PROGRAM:

The currently effective UBP Addendum, Section 2, Paragraph F, sets forth the involuntary discontinuance of a marketer's participation in the supplier select program.

- 1. The Marketer may contest any suspension or proposed discontinuance of participation in the Company's Supplier Select Program by use of the Dispute Resolution Process set forth in Section 8 of the currently effective UBP Addendum, if that process is initiated in a timely manner.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/15/04
STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 07/15/04.

LEAF: 196
REVISION: 4
SUPERSEDING REVISION: 3

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

DISCONTINUANCE OF A DIRECT CUSTOMER:

The currently effective UBP Addendum, Section 2, Paragraph F, sets forth the discontinuance of a direct customer.

ASSIGNMENT OF MARKETER CONTRACTS:

The currently effective UBP Addendum, Section 5, Paragraph J, sets forth assignment of marketer contracts.

DISPUTE RESOLUTION PROCESS:

The currently effective UBP Addendum, Section 8, sets forth the dispute resolution process.

LIMITATION OF LIABILITY:

1. The Company shall not be liable to a customer or a Marketer/Direct Customer for any damages or losses of any nature (including economic losses), or for any costs or expenses (including attorneys' fees), or for any judgments or claims, directly or indirectly caused by, arising out of, or resulting from the Company's acts or omissions under this Service Classification, or from its supply of data and information, or under any legal or regulatory requirements related to the Supplier Select Program, except for any damages or losses caused by the gross negligence or intentional misconduct of the Company.
2. The Company shall not be liable to a customer for any damages or losses of any nature (including economic losses), or for any costs or expenses (including attorneys' fees), or for any judgments or claims, directly or indirectly caused to the customer by any act or omission of a Marketer/Direct Customer.
3. The Company shall not be liable to a Marketer/Direct Customer for any damages or losses of any nature (including economic losses), or for any costs or expenses (including attorneys' fees), or for any judgments or claims, directly or indirectly caused to the Marketer/Direct Customer by any act or omission of a customer.
4. Any suspension or termination of a Marketer/Direct Customer shall be without any liability to the Company.
5. The Company's total cumulative liability to a Marketer/Direct Customer or a customer whether arising out of Tariff, contract, tort (including negligence and strict liability) or otherwise, shall be limited to direct damages.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/19/04

LEAF: 197
REVISION: 2
SUPERSEDING REVISION: 0
(REVISION 1 PENDING)

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

LIMITATION OF LIABILITY: (continued)

6. In no event shall the Company be liable to a customer or a Marketer/Direct Customer, whether in contract, tort (including negligence and strict liability), or otherwise, for any and all special, indirect, penal, punitive, or consequential damage of any kind, including, but not limited to, loss of use of equipment or facilities, lost profits or revenues, expenses involving cost of capital, cost of repair or cleanup, additional costs involved in construction or operation of facilities, or claims of customers or suppliers. The provisions of the Service Classification shall survive the customer's and the Marketer/Direct Customer's participation in the Supplier Select Program.

INDEMNIFICATION:

1. A Marketer/Direct Customer, to the fullest extent of the law, shall indemnify, defend, and save harmless the Company from and against any loss, damage, liability, cost, suit, charge, expense (including attorney's fees), claim, investigation, proceeding, or cause of action, which may at any time be imposed on, incurred by, or asserted against the Company and in any way relates to or is claimed to relate to or arise out of any damage or injury to property (including real property, personal property, and environmental damages), persons (including injuries resulting in death), or any economic losses, by or to third parties (including customers), that are directly or indirectly caused by or arise out of or are in any way connected with the Marketer/Direct Customer's acts or omissions (including the Marketer/Direct Customer's performance or non-performance of its agreements with customers).

SPECIAL PROVISIONS:

1. Subject to the jurisdiction of the PSC, a Marketer/Direct Customer's participation in the Supplier Select Program shall constitute the Marketer/Direct Customer's consent to the personal jurisdiction of courts in the State of New York in any litigation or proceeding concerning any matters related to that Marketer/Direct Customer's participation in the Supplier Select Program.

PSC NO: 219 GAS

LEAF: 198

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 1

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 199

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 1

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 199.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 1

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 200

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 1

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 201

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 202

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 1

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 203

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 204

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 1

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 205

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 2

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 205.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 205.2

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 206

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 207

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 208

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 209

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 210

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 211

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 212

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 213

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 214

NIAGARA MOHAWK POWER CORPORATION

REVISION: 1

INITIAL EFFECTIVE DATE: 02/19/04

SUPERSEDING REVISION: 0

STAMPS: Issued in Compliance with Order of PSC in Case 98-M-1343 dated 11/21/03.

**SERVICE CLASSIFICATION NO. 11
LOAD AGGREGATION (CONTINUED)**

RESERVED FOR FUTURE USE

PSC NO: 219 GAS

LEAF: 215

NIAGARA MOHAWK POWER CORPORATION

REVISION: 4

INITIAL EFFECTIVE DATE: 05/14/04

SUPERSEDING REVISION: 3

STAMPS: Issued in Compliance with Order of PSC in Case 02-M-0515 dated 12/03/03.

**SERVICE CLASSIFICATION NO. 12
DISTRIBUTED GENERATION SERVICE – NON-RESIDENTIAL**

APPLICABLE TO USE OF SERVICE FOR:

Any Non-Residential customer using distributed generation technologies not otherwise provided under Rule 18 of this Rate Schedule, including, but not limited to, microturbines, internal combustion engines and fuel cells. Service is firm service and is applicable to baseload DG units. Service is not available to DG units operating on a peaking basis. Service is available to customers who demonstrate the ability to operate at a minimum load factor of 50%, within the first year of service, and have Distributed Generation units with capacity of less than 50 MW. The electricity generated must be used solely to supply all or part of a customer's, or specific customer's electrical and/or thermal requirements within a defined geographical location. Load factor is defined as annual usage divided by (winter peak day use multiplied by 365 days). The distributed generation technologies must be installed and fully operable before taking service under Service Classification No. 12.

The Delivery Service rates available under this Service Classification will be the ceiling price in effect until at least thirty-six months after the initial effective date of this Service Classification.

CHARACTER OF SERVICE:**Customers Purchasing Gas Supply from an Alternate Supplier:**

Delivery of customer-owned gas, pipeline quality, on a firm basis from a receipt point within the Company's service territory to which this schedule applies to the facilities at the customer's existing delivery point, as specified in the customer's Application for Firm Transportation Service. Customer-owned gas to be transported by the Company must have a minimum BTU value of 1,000 British Thermal Units per cubic foot on a dry basis. The gas quality must meet the Public Service Commission's rules and regulations regarding concentrations of hydrogen sulfide, total sulfur and ammonia. Filtration of dust and liquid hydrocarbons, and water removal will be required. Delivery pressure will be determined at the sole discretion of the Company but will not be less than four (4) inches, water column.

Customers Purchasing Gas Supply from Niagara Mohawk:

Continuous, natural gas or a mixture of natural gas and other gas of not less than 1,000 British Thermal Units per cubic foot on a dry basis. Delivery pressure will be determined at the sole discretion of the Company but will not be less than four (4) inches, water column. The Company reserves the right to reject any application for service under this Service Classification where, in the sole discretion of the Company, the provision of service would require the purchase of incremental capacity on the transmission system of its pipeline suppliers.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 271 of 328

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 02/01/22
 STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 215.1
 REVISION: 15
 SUPERSEDING REVISION: 14

**SERVICE CLASSIFICATION NO. 12
 DISTRIBUTED GENERATION SERVICE – NON-RESIDENTIAL (CONTINUED)**

MONTHLY DELIVERY SERVICE RATES:

For Customers with DG Units Rated at Less Than 5 MW:

<u>Monthly Rate</u>	<u>Annual Consumption Less than 250,000 Therms</u>	<u>Annual Consumption 250,000 to 1,000,000 Therms</u>
First 3 Therms or Less per Month per Meter	\$200.00	\$500.00
Over 3 Therms per Therm (April – October)	\$0.04444	\$0.04103
Over 3 Therms per Therm (November – March)	\$0.05771	\$0.05191

<u>Monthly Rate</u>	<u>Annual Consumption Greater than 1,000,000 Therms But Less than 2,500,000 Therms</u>	
	<u>Summer (April – October)</u>	<u>Winter (November - March)</u>
First 100 Therms or Less per Month per Meter	\$1,550.00	\$1,550.00
Next 499,900 Therms per Therm	\$0.03790	\$0.04811
Over 500,000 Therms per Therm	\$0.03250	\$0.04125

For Customers with DG Units Rated At Least 5 MW, but Less Than 50 MW:

<u>Monthly Rate</u>	<u>Annual Consumption Greater than 2,500,000 Therms</u>	
	<u>Summer (April – October)</u>	<u>Winter (November – March)</u>
First 3 Therms or Less per Month per Meter	\$1,550.00	\$1,550.00
Over 3 Therms per Therm	\$0.00773	\$0.00981
Demand Charge per Therm of MPDQ	\$0.78991	\$0.78991

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 272 of 328

PSC NO: 219 GAS

LEAF: 215.2

NIAGARA MOHAWK POWER CORPORATION

REVISION: 12

INITIAL EFFECTIVE DATE:02/01/22

SUPERSEDING REVISION: 10

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

SERVICE CLASSIFICATION NO. 12
DISTRIBUTED GENERATION SERVICE – NON-RESIDENTIAL (CONTINUED)

MONTHLY DELIVERY SERVICE RATES: (continued)**Monthly Minimum Charge:**

The minimum monthly charge shall be the sum of the applicable Customer Charge and Demand charge for the month. In addition to the minimum charge, customers may be required to pay a surcharge when service is taken from a main extension constructed in accordance with Rule 10, General Information.

Incremental Expenses:

The Company's main extension and service extension policy set forth in Rule 10 and 11 of this rate schedule shall apply to service rendered hereunder. As stated in Rule 10.3.9, gas applications for firm sales and firm transportation service of 25,700 Dt or more per year and all levels of interruptible sales and interruptible transportation, the Company will require that the cost of the main extension and system improvements, if required, be justified by adjusted gas revenues within a two (2) year period. In the event that actual adjusted gas revenues within a two (2) year period do not equal or exceed the cost of the facilities installed in excess of the allowance provided in Rule 10.1, the customer will be required to pay a contribution for the cost of the facilities not covered by adjusted gas revenues. The amount of the required contribution will be set forth on Gas Main Extension Form C.

Determination of Demand:

The Maximum Peak Day Quantity (MPDQ) will be initially set based on the rated fuel requirements of the installed distributed generation equipment and the customer's electric requirements. Should the customer's actual daily usage on any day during the November through March winter period exceed the initial MPDQ, the MPDQ will be deemed to have changed in the service agreement. Thereafter, on April 1st of each year, the MPDQ will be recalculated at the highest actual daily volume served during the previous winter period November through March. In the event that 50% of the Summer Peak Demand is greater than the currently effective Monthly Billing Demand, the Billing Demand will be reset to 50% of the Summer Peak Demand.

MONTHLY COST OF GAS:

In addition to the above Delivery Service Charges, customers purchasing their Gas Supply Service from the Company will pay the Monthly Cost of Gas per Therm of gas supplied hereunder as explained in Rule 17 of this schedule.

MERCHANT FUNCTION CHARGE:

Customers purchasing their Gas Supply Service from the Company will be subject to a Merchant Function Charge hereunder as explained in Rule 33 of this schedule.

DELIVERY SERVICE ADJUSTMENTS:

All customers taking service under this Service Classification shall be subject to Delivery Service Adjustments as explained in Rule 45.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 273 of 328

PSC NO: 219 GAS

LEAF: 215.2.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 0

INITIAL EFFECTIVE DATE:02/01/22

SUPERSEDING REVISION:

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 12
DISTRIBUTED GENERATION SERVICE – NON-RESIDENTIAL (CONTINUED)**

STATEMENT OF TRANSPORTATION RATES:

The effective monthly rates for transportation service applicable to billings for Service Classification Nos. 1, 2, 5, 6, 7, 8, 9, 12 and 13 will be filed with the Public Service Commission apart from this rate schedule not less than two (2) days prior to the first of each month. Such statement will be available to the public on the Company's website at www.nationalgridus.com.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 215.3
REVISION: 2
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 12
DISTRIBUTED GENERATION SERVICE – NON-RESIDENTIAL (CONTINUED)**

APPROVED REMOTE METERING:

All service rendered hereunder shall be metered separately from any other gas service provided to customers at the customer's location.

All Daily Balancing customers served under Service Classification No. 12 shall have an Approved Remote Meter installed and operable as set forth in Rule 13.5. All other Service Classification No. 12 customers (Sales Service/Monthly Balancing customers) may, at the Company's sole discretion, have Approved Remote Meters installed by the Company at the Company's expense.

BALANCING:

Customers electing delivery only service under Service Classification No. 12 must participate in Daily Balancing Service under Service Classification No. 11. Daily Balancing is subject to daily and monthly cashout and/or imbalance trading in accordance with Rule 29 of this tariff.

Customers electing commodity service who subsequently elect to migrate to an alternate supplier must participate in Monthly Balancing Service under Service Classification No. 11.

BTU ADJUSTMENT:

Volumes of gas registered at the customer's meter, in CCF, will be adjusted for BTU content, in Therms, as stated in Rule 14.3.

INCREASE IN RATES AND CHARGES:

The rates and charges under this Service Classification will be increased by a tax factor pursuant to Rule.

TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 1/2%) pursuant to Rule 15.2.

TERM:

One year initially, and renewable on a year-to-year basis thereafter. Cancellation requires written notice by the Company or customer thirty days prior to the expiration of the annual term of service. Customers not meeting the minimum load factor requirement for this service class after a period of one year will be removed from the service class, on the next scheduled read date, for at least a one year period. Customers submitting proof of mitigating circumstances, as solely determined by the Company, will be allowed to remain on Service Classification No. 12, but will be subject to an additional review after the subsequent twelve month period.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 275 of 328

PSC NO: 219 GAS

LEAF: 215.4

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION:0

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

SERVICE CLASSIFICATION NO. 12
DISTRIBUTED GENERATION SERVICE – NON-RESIDENTIAL (CONTINUED)

TERM: (continued)

For customers switching energy suppliers the request shall be submitted to the Company not later than 15 calendar days prior to the month service is to commence. The actual switch will then occur on the customer's regular meter reading date.

START-UP:

Rates under this service class shall be effective on the Commercial Operation Date of the Distributed Generation Customer. The Commercial Operation Date will be the first day of the month of continuous operation of the DG unit. Start-up service will not be supplied under the terms of this service classification.

SPECIAL PROVISIONS:

1. Company shall not be obligated to supply service facilities of a capacity in excess of that necessary to supply utilization equipment normally and regularly used by customer.
2. Written application upon Company's prescribed forms is required.
3. Whenever service is supplied where extension of distribution main facilities for service is requested, construction will be in accordance to Rule 10 of this tariff.
4. Company will supply service to gas-fired emergency electric generators in accordance with Rule 18 of this tariff.
5. Service taken under this Service Classification will not be eligible for a limited-duration bill reduction treatment as described in Rule 23, Empire Zone Rider.
6. Budget bills will be computed in accordance with Rule 15.7.6.
7. Full cooperation is required from customer and customer's gas supplier so that the Company may accurately determine the quantities of customer-owned gas delivered into the Company's distribution system by the customer and those quantities of customer-owned gas actually transported to the customer by the Company.
8. As between the Company and the customer, the Company shall be deemed to be in control and possession of the gas to be transported hereunder upon receipt of such gas at the receipt point and until it has been delivered to the customer. The customer shall be deemed to be in possession and control of the gas prior to such receipt by the Company and after such delivery.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS

LEAF: 215.5

NIAGARA MOHAWK POWER CORPORATION

REVISION: 0

INITIAL EFFECTIVE DATE: 01/01/04

SUPERSEDING REVISION:

STAMPS: Issued in Compliance with Order of PSC in Case 02-M-0515 dated 12/03/03.

SERVICE CLASSIFICATION NO. 12
DISTRIBUTED GENERATION SERVICE – NON-RESIDENTIAL (CONTINUED)

SPECIAL PROVISIONS: (continued)

9. The Company reserves the right to reject any application for service under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its pipeline supplier(s), impair or interfere with the Company's operations, or impose costs in excess of those subject under these rates.
10. Firm transportation service will be provided only when and to the extent that the Company in its sole judgment has sufficient capacity available.
11. Each customer under this Service Classification warrants that it will, at the time the Company receives the gas for transportation, have good and merchantable title to all such gas free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of the adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees, or charges applicable to such gas or to the delivery of such gas to the Company for transportation.
12. During the Term of Service Agreement, customer's equipment supplied with gas hereunder will not be supplied with gas under another Service Classification.
13. The Company's obligation to deliver customer-owned gas is defined in Rule 3.2 of General Information.
14. The Company's procedure for short term and long term curtailment is defined in Rule 3.6 and 3.7 of General Information.

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 02/01/22
 STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 216
 REVISION: 13
 SUPERSEDING REVISION: 10

**SERVICE CLASSIFICATION NO. 13
 DISTRIBUTED GENERATION SERVICE – RESIDENTIAL**

APPLICABLE TO USE OF SERVICE FOR:

Residential purpose customers using Distributed Generation technologies who would otherwise qualify for service under Service Classification No. 1 of this rate schedule. Service under this rate schedule is not available to customers eligible for service provided under Rule 18 of this rate schedule. Distributed Generation technologies for Residential Service include but are not limited to, fuel cells and micro-turbines used to generate electricity for domestic services. Service is firm service. The Distributed Generation technologies must be installed and fully operable before taking service under Service Classification No. 13.

CHARACTER OF SERVICE:

Customers Purchasing Gas Supply from an Alternate Supplier:

Delivery of customer-owned gas, pipeline quality, on a firm basis from a receipt point within the Company's service territory to which this schedule applies to the facilities at the customer's existing delivery point, as specified in the customer's Application for Firm Transportation Service. Customer-owned gas to be transported by the Company must have a minimum BTU value of 1,000 British Thermal Units per cubic foot on a dry basis. The gas quality must meet the Public Service Commission's rules and regulations regarding concentrations of hydrogen sulfide, total sulfur and ammonia. Filtration of dust and liquid hydrocarbons, and water removal will be required. Delivery pressure will be determined at the sole discretion of the Company but will not be less than four (4) inches, water column.

Customers Purchasing Gas Supply from Niagara Mohawk:

Continuous, natural gas or a mixture of natural gas and other gas of not less than 1,000 British Thermal Units per cubic foot on a dry basis. Delivery pressure will be determined at the sole discretion of the Company but will not be less than four (4) inches, water column. The Company reserves the right to reject any application for service under this Service Classification where, in the sole discretion of the Company, the provision of service would require the purchase of incremental capacity on the transmission system of its pipeline suppliers.

MONTHLY DELIVERY SERVICE RATES:

All Customers, as described above:

	<u>Delivery Service Rate</u>
First 3 Therms or Less per Month per Meter	\$28.00
Over 3 Therms per Therm	\$0.05245

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 278 of 328

PSC NO: 219 GAS

LEAF: 216.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 21

INITIAL EFFECTIVE DATE:02/01/22

SUPERSEDING REVISION: 19

STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

**SERVICE CLASSIFICATION NO. 13
DISTRIBUTED GENERATION SERVICE – RESIDENTIAL (CONTINUED)**

MONTHLY MINIMUM CHARGE:

The monthly minimum charge for service under this Rate Schedule is \$28.00. In addition to the minimum charge, customers may be required to pay a surcharge when service is taken from a main extension constructed in accordance with Rule 10, General Information.

INCREMENTAL EXPENSES:

In the event the customer's application for service under this Service Classification requires any system reinforcements, including installation of larger capacity service lines and appurtenant facilities, these reinforcements will be provided solely at the customer's expense.

MONTHLY COST OF GAS:

In addition to the above Delivery Service Charges, customers purchasing their Gas Supply Service from the Company will pay the Monthly Cost of Gas per Therm of gas supplied hereunder as explained in Rule 17 of this schedule.

MERCHANT FUNCTION CHARGE:

Customers purchasing their Gas Supply Service from the Company will be subject to a Merchant Function Charge hereunder as explained in Rule 33 of this schedule.

DELIVERY SERVICE ADJUSTMENTS:

All Customers taking service under this Service Classification shall be subject to Delivery Service Adjustments as explained in Rule 45.

STATEMENT OF TRANSPORTATION RATES:

The effective monthly rates for transportation service applicable to billings for Service Classification Nos. 1, 2, 5, 6, 7, 8, 9, 12 and 13 will be filed with the Public Service Commission apart from this rate schedule not less than two (2) days prior to the first of each month. Such statement will be available to the public on the Company's website at www.nationalgridus.com.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 04/01/13
STAMPS: Issued in compliance with order in Case No. 12-G-0202 dated March 15, 2013

LEAF: 216.1.1
REVISION: 1
SUPERSEDING REVISION:

**SERVICE CLASSIFICATION NO. 13
DISTRIBUTED GENERATION SERVICE – RESIDENTIAL (CONTINUED)**

APPROVED REMOTE METERING:

An Approved Remote Meter (ARM) device will not be required for this service. However, upon prior notice to the customer, the Company reserves the right to install an ARM at its own expense. Should the Company decide to install an ARM, the customer shall provide access to an electrical supply, if necessary, and phone line for the operation of the device in an area acceptable to the Company. The customer will not be required to provide a dedicated phone line.

BALANCING:

Customers electing delivery only service under Service Classification No. 13 must participate in Monthly Balancing Service under Service Classification No. 11 – Load Aggregation.

CUSTOMER QUALIFICATION:

The Company may utilize, at its sole discretion, load shape analysis to verify the customer's continued eligibility for Service Classification No. 13. In the event the customer's gas usage is less than expected, triggering a site visit where it is determined that the installed Distributed Generation equipment is no longer operational or has been removed, the customer will be billed, prospectively, on Service Classification No. 1.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 216.2
REVISION: 2
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 13
DISTRIBUTED GENERATION SERVICE – RESIDENTIAL (CONTINUED)**

BTU ADJUSTMENT:

Volumes of gas registered at the customer's meter, in CCF, will be adjusted for BTU content, in Therms, as stated in Rule 14.3.

INCREASE IN RATES AND CHARGES:

The rates and charges under this Service Classification will be increased by a tax factor pursuant to Rule 19.

TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1 1/2%) pursuant to Rule 15.2.

TERM:

One month and thereafter until terminated by forty-eight hours notice to the Company. For customers switching energy suppliers, the request shall be submitted to the Company not later than 15 calendar days prior to the month service is to commence. The actual switch will then occur on the customer's regular meter reading date.

Initial Effective Date

Rates under this Service Classification shall be effective on the Initial Operation Date of the Distributed Generation Unit. The Initial Operation Date will be the first scheduled read date subsequent to the first day of the month of continuous operation of the DG Unit.

SPECIAL PROVISIONS APPLICABLE TO BOTH DELIVERY SERVICE ONLY AND CUSTOMERS ALSO PURCHASING GAS SUPPLY FROM NIAGARA MOHAWK:

1. Company shall not be obligated to supply service facilities of a capacity in excess of that necessary to supply utilization equipment normally and regularly used by customer.
2. Written application upon Company's prescribed forms is required.
3. Whenever service is supplied where extension of distribution main facilities for service is requested, construction will be in accordance to Rule 10 of this tariff.
4. Company will supply service to gas-fired emergency electric generators in accordance with Rule 18 of this tariff.
5. Budget bills will be computed in accordance with Rule 15.7.6.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS

LEAF: 216.3

NIAGARA MOHAWK POWER CORPORATION

REVISION: 0

INITIAL EFFECTIVE DATE: 11/03/04

SUPERSEDING REVISION:

STAMPS: Issued in Compliance with Order of PSC in Case 02-M-0515 dated 08/04/04.

**SERVICE CLASSIFICATION NO. 13
DISTRIBUTED GENERATION SERVICE – RESIDENTIAL (CONTINUED)**

**SPECIAL PROVISIONS APPLICABLE TO BOTH DELIVERY SERVICE ONLY AND CUSTOMERS
ALSO PURCHASING GAS SUPPLY FROM NIAGARA MOHAWK: (continued)**

6. During the Term of Service Agreement, customer's equipment supplied with gas hereunder will not be supplied with gas under another Service Classification.
7. The Company's procedure for short term and long term curtailment is defined in Rule 3.6 and 3.7 of General Information.
8. The Company reserves the right to reject any application for service under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its pipeline supplier(s), impair or interfere with the Company's operations, or impose costs in excess of those subject under these rates.

SPECIAL PROVISIONS APPLICABLE TO DELIVERY SERVICE ONLY CUSTOMERS:

1. Full cooperation is required from customer and customer's gas supplier so that the Company may accurately determine the quantities of customer-owned gas delivered into the Company's distribution system by the customer and those quantities of customer-owned gas actually transported to the customer by the Company.
2. As between the Company and the customer, the Company shall be deemed to be in control and possession of the gas to be transported hereunder upon receipt of such gas at the receipt point and until it has been delivered to the customer. The customer shall be deemed to be in possession and control of the gas prior to such receipt by the Company and after such delivery.
3. Customers participating in Monthly Balancing must pay a stand-by charge per them of MPDQ as set forth on the Statement of Transportation Rate Adjustment.
4. Each customer under this Service Classification warrants that it will, at the time the Company receives the gas for transportation, have good and merchantable title to all such gas free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of the adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees, or charges applicable to such gas or to the delivery of such gas to the Company for transportation.
5. The Company's obligation to deliver customer-owned gas is defined in Rule 3.2 of General Information.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 282 of 328

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/18
STAMPS:LEAF: 217
REVISION: 7
SUPERSEDING REVISION: 6

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS

A. DEFINITIONS:

For the purposes of this service classification, the following terms have the meaning stated below:

“Annual Total Value Added Charge” - The sum of the Monthly Total Value Added Charges for the twelve months in the Test Year.

“Base Year Spark Spread” - The simple average of the Spark Spread for all 8784 hours of the Base Year. The Base Year is defined as the first full year of the operation of the NYISO starting December 1, 1999.

“Contract Year” - The 365 consecutive Days beginning on the first day of the month following the Effective Date, and each subsequent 365-Day period, or 366 Days for leap years.

“Customer’s Heat Rate” – There will be four different proxy heat rates depending on what technology the Customer’s unit employs.

Tier 1 – 17.5 MMBTU/MWH for older, simple cycle peaking units (those units which commenced operation prior to December 31st, 1998)

Tier 2 – 11.0 MMBTU/MWH for Rankine Cycle steam units

Tier 3 – 10.0 MMBTU/MWH for new, simple cycle peaking units

Tier 4 – 7.4 MMBTU/MWH for combination cycle plants

“Customer’s MWH Generated Output” - The MWH resulting from the division of the customer’s hourly therm consumption divided by the Customer’s Heat Rate for the applicable tier level.

“Daily Gas Purchase Price” – Equal to Daily Cashout Rate as described in Rule 29.3.1.2.

“Daily Gas Sales Price” – Equal to Daily Cashout Rate as described in Rule 29.3.1.2.

“Day” – The consecutive twenty four (24) hour period defined by the North American Energy Standard Board (“NAESB”) as the Gas Day (currently commencing at 10 a.m. Eastern Time).

“Dekatherm” (DTH) - 1,000,000 British Thermal Units (1 MMBTU).

“Delivery Point” - The metered interconnection owned and maintained by the Company between the facilities of the Company and the customer.

“Delivery Quantity” - The quantity of customer-owned gas transported by the Company minus the amount retained by the Company for Losses and actually delivered to customer at the Delivery Point.

“Effective Date” - The first Day following the later of (a) thirty (30) days after an executed contract has been on file with the New York Public Service Commission (PSC), (b) the start date specified in the Service Agreement for which the term would be effective, or (c) satisfaction of all conditions precedent listed in the Service Agreement.

Issued By: John Bruckner, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 218
REVISION: 11
SUPERSEDING REVISION: 10

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

A. DEFINITIONS: (continued)

“Effective Period” - The Effective Period for the initial Value Added Charge is March 15, 2006 through April 30, 2007. Beginning 2007, the Effective Period is May 1st of each year through April 30th of the following year.

“Fuel Cost of Generation” - The price per DTH for the day of flow which results from the average of 1) EGTS South Point midpoint price as reported in Gas Daily and 2) the highest value shown in the EGTS South Point Common price column as reported in Gas Daily, multiplied by the Customer’s Heat Rate for the appropriate Tier Level expressed in \$/MWH. If the above referenced EGTS South Point prices are not available, the corresponding values for EGTS North Point will be utilized.

“Government Authority” - Any federal, national, state, municipal, local, territorial, or other governmental department, commission, board, bureau, agency, regulatory authority, instrumentality, judicial or administrative body, domestic or foreign, including without limitation, the PSC.

“Losses” - The lower of (a) 1.01 or (b) an amount equal to the Uniform Gas Loss Adjustment Factor in the Tariff, **GENERAL INFORMATION** Rule No. 17.1, as that factor may be modified from time to time.

“Maximum Annual Quantity” - The maximum amount of transportation gas which customer may use per Contract Year as specified in its Service Agreement.

“Maximum Daily Delivery Quantity” (MDDQ) - The Service Agreement will specify the maximum daily delivery quantity of transportation gas which customer may use, measured at the Delivery Point.

“Minimum Annual Bill” - Customer shall pay a minimum annual bill calculated in accordance with Section G.1.e of this service classification.

“Minimum Annual Delivery Quantity” - The Service Agreement will specify the minimum annual Delivery Quantity of transportation gas for which customer will be billed, measured at the Delivery Point.

“Month” - The period of time beginning at on the first calendar Day of a month and ending on the first calendar Day of the subsequent calendar month according to the North American Energy Standards Board (“NAESB”) standardized Gas Day.

“Monthly Index Price” – Equal to the average of the Daily Cashout Rate for the calendar month as described in Rule 29.3.1.2.

“Monthly Total Value Added Charge” - Five percent of the difference between 1) The Spark Spread for each hour of the month the generator actually operated and 2) the applicable Base Year Spark Spread will be calculated. The resulting amount is multiplied by the Customers MWH Generated Output during the same Test Year hour. The resulting dollars for each hour are summed for each month of the Test Year. If such monthly value is less than or equal to zero, the Monthly Total Value Added Charge for that month will equal zero. If such Monthly Total Value Added Charge is greater than zero, such monthly value is the Monthly Total Value Added Charge for that month.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/16
STAMPS:

LEAF: 219
REVISION: 4
SUPERSEDING REVISION: 3

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

A. DEFINITIONS: (continued)

“New Electric Generator” - A customer’s facility whose sole purpose is the generation of electricity. This customer seeks gas transportation service under Service Classification No. 14. Existing service related to the generation of electricity at the date of the Commission’s 3/17/1999 Order in Case 98-G-0122 is not deemed to be New Electric Generators until the customer’s contract terminates.

“Receipt Point” - The citygate interconnection at which the Company receives gas from customer for delivery under this Agreement. The receipt Points that customer may elect may be any point mutually agreed upon by the Company and customer in the Service Agreement.

“Reconciliation Charge” - The total of the Value Added Charges collected from the Customer during the Calendar Year subtracted from the total of the Value Added Charges that would have been collected had the Value Added Charge been calculated based on the actual Spark Spreads during the calendar year. The Reconciliation Charge may be adjusted to ensure the resulting Value Added charge is in accordance with Section F.4 of this Service Classification.

“Service Agreement” - A gas transportation agreement between the Company and the customer stating terms and conditions for service under Service Classification No. 14.

“Spark Spread” - The difference between the Wholesale Market Price of Electricity per MWH and the Fuel Cost of Generation expressed in \$/MWH.

“Test Year” - The Test Year will be the Calendar Year immediately preceding the Effective Period.

“Transportation Quantity” - The quantity of customer-owned gas received by the Company in a given period.

“Value Added Charge” – is a unitized per therm rate established for each Effective Period which is applied to every therm delivered by the Company to the Customer or the Customer’s Annual Minimum Bill Obligation whichever is greater. The Value Added Charge reflects the increase in the Spark Spread from the Base Year to the Test Year. The Value Added Charge for the Effective Period March 15, 2006 through April 30, 2007 equals the Annual Total Value Added Charge for the Test Year ending December 31, 2005 divided by the number of therms the Company delivered to the Customer during the Test Year. If the Customer does not have twelve months of consumption data for the Test Year that Customer will be assigned a Value Added Charge equal to the average of all the customers Value Added Charge within the applicable heat rate tier level. The Value Added Charge for all Effective Periods beginning May 1, 2007 will be calculated as follows: Annual Total Value Added Charge net of the Reconciliation Charge divided by the number of therms the Company delivered to the customer during the Test Year: Beginning August 1, 2015 the Value Added Charge may be adjusted in accordance with Section F.4 this Service Classification.

“Wholesale Market Price of Electricity” - The respective zonal average of the Real Time Electric Market Locational Based Marginal Pricing (LBMP) for the applicable hour and zone as reported on the NYISO website expressed in \$/MWH.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Effective date postponed to 12/01/2016. See Supplement No. 34.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/16
STAMPS:

LEAF: 219.1
REVISION: 3
SUPERSEDING REVISION: 2

**SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)**

B. APPLICABLE TO USE OF SERVICE FOR:

Transportation of customer-owned gas for New Electric Generators who have executed a Service Agreement which includes the terms and conditions set forth below. The sole purpose of service provided under this Service Classification shall be New Electric Generator's generation of electricity. Its generation capacity shall be at least 50 Megawatts and have dual-fuel capabilities.

Any customer that qualifies for service under this Service Classification may take service under Rate Schedule 1. In addition, the Company may, at its option, enter into individually negotiated service arrangements with a customer under Rate Schedule 2, provided that negotiated contracts on similar overall terms shall be available to similarly situated customers.

C. CHARACTER OF SERVICE:

Customer-owned, pipeline quality, natural gas which the customer has arranged to have transported to a mutually agreeable Receipt Point. The Company will transport said gas from the Receipt Point to the Delivery Point at the customer's facilities. Metering of high pressure gas will be adjusted in accordance with the pressure and temperature standards as set forth in **GENERAL INFORMATION** Rule No. 14.1 of the Tariff.

For customers taking service under Rate Schedule 1, service may be interrupted at the Company's discretion for up to 30 days during the Contract Year. The Company may require a higher degree of interruptibility from the customer in cases where the Company determines that the customer's requirements cannot be served by the Company for up to 335 days. For customers taking service under Rate Schedule 2, service may be firm or interruptible, as mutually agreed upon by the customer and the Company

D. SERVICE AGREEMENT:

The Company and customer shall execute a Service Agreement prior to the commencement of service hereunder. Terms and conditions contained in the Service Agreement will include, but not be limited to:

1. Maximum Daily Delivery Quantity
2. Minimum Annual Delivery Quantity
3. Identification of Location of Customer Facility
4. Construction of Facilities, if applicable
5. Pressure Requirements
6. Identification of Receipt Point(s) and Delivery Point
7. Service Agreement start date for which the term is effective
8. Minimum Annual Bill

E. BTU ADJUSTMENT:

Volumes of gas registered at the customer's meter, in CCF, will be adjusted for BTU content, in therms as stated in **GENERAL INFORMATION** Rule No. 14.3 of the Tariff.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Effective date postponed to 12/01/2016. See Supplement No. 34.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/01/22
STAMPS: Issued in compliance with order in Case 20-G-0381 dated January 20, 2022

LEAF: 219.2
REVISION: 7
SUPERSEDING REVISION: 5

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

F. DAILY BALANCING SERVICE:

Customers that choose Daily Balancing Service must be a Direct Customer. Customers may elect to take Daily Balancing Service under this service classification to the extent there is sufficient operational flexibility to support this service and subject to prior approval by the Company. Under the Daily Balancing Service, the Company will balance the customer's usage and delivery quantity each day and the customer will be subject to a daily balancing service demand charge and to daily cashouts of imbalances.

To mitigate daily cashouts of imbalances, a customer that takes daily balancing service may designate a Gas Balancing Agent to manage daily nominations and balance gas deliveries on an aggregated basis to one or more of the customer's generating facilities. Should a customer elect to designate a Gas Balancing Agent, a Designation of Gas Balancing Agent Agreement must be entered into by the customer, its Gas Balancing Agent and the Company. Any customer taking balancing service from a gas balancing agent must either be a Direct Customer or in a marketing pool of one.

All dual fuel electric generators will be considered non-core customers.

G. TRANSPORTATION SERVICE RATES:

The customer shall pay the following charges each month for gas transportation service hereunder:

1. Rate Schedule 1- Standard Gas Transportation Service

a. On-System Transportation Charge

A unitized rate equal to the sum of the following:

- | | |
|---|-----------------------|
| 1) Contribution to Overall System Cost: | \$0.10 per dekatherm. |
| 2) Marginal System Costs: | \$0.17 per dekatherm |

b. Value Added Charge

The Value Added Charge is a per dekatherm charge determined in accordance with the definition of Value Added Charge set forth in Section A of this service classification.

c. Daily Balancing Service Demand Charge

The Daily Balancing Service Demand Charge is a per dekatherm charge applicable to customers taking Daily Balancing Service that recovers the cost of firm capacity assets the Company uses to provide Daily Balancing Service. The per dekatherm charge is calculated in the manner approved in Case 20-G-0381. The Daily Balancing Service Demand Charge is set forth on the Statement of Balancing Charges.

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 287 of 328

PSC NO: 219 GAS

LEAF: 219.3

NIAGARA MOHAWK POWER CORPORATION

REVISION: 2

INITIAL EFFECTIVE DATE: 04/01/18

SUPERSEDING REVISION: 0

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

G. TRANSPORTATION SERVICE RATES: (continued)**1. Rate Schedule 1- Standard Gas Transportation Service (continued)****d. Rate Ceiling**

The sum of the per therm charges listed in (a), (b) and (c) above shall not exceed the per therm rate of the otherwise applicable interruptible transportation service. If this condition exists, the Company shall reduce the Value Added Charge such that the sum of these charges is capped at the otherwise applicable interruptible transportation service rate.

e. Minimum Annual Bill

Determined by multiplying: i) the sum of the per therm charges listed in (a), (b) and (c) above by ii) the amount by which the generator's annual metered usage falls short of 50% of the generator's Maximum Annual Quantity. The Minimum Annual Bill shall be no greater than the otherwise applicable interruptible transportation service rate multiplied by annual metered usage.

f. Daily Cashouts of Imbalances

For customers that take Daily Balancing Service, the Company shall balance the customer's account at the end of each day. The daily imbalance shall be determined by comparing i) the quantity of gas the Company receives at the Receipt Point for the customer to: ii) the customer's actual daily usage grossed up to include losses.

- 1) For imbalances where the quantity of natural gas consumed by the customer is greater than the quantity of gas received at the Receipt Point:
 - a) Imbalances up to 2% will be aggregated on a monthly basis and shall be purchased by the customer at the monthly index price
 - b) Imbalances greater than 2% and up to 5%, shall be purchased by the customer at 125% of the Company's Daily Gas Sales Price
 - c) Imbalances greater than 5% and up to 10%, shall be purchased by the customer at 135% of the Company's Daily Gas Sales Price
 - d) Imbalances greater than 10% and up to 20%, shall be purchased by the customer at 140% of the Company's Daily Gas Sales Price plus \$10/dt
 - e) Imbalances greater than 20% shall be purchased by the customer at 150% of the Company's Daily Gas Sales Price plus \$10/dt.

PSC NO: 219 GAS

LEAF: 219.4

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE:10/17/18

SUPERSEDING REVISION: 2

STAMPS: Issued in compliance with order in Case No. 17-G-0239 dated March 15, 2018.

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

G. TRANSPORTATION SERVICE RATES: (continued)**1. Rate Schedule 1- Standard Gas Transportation Service (continued)****f. Daily Cashouts of Imbalances (continued)**

- 1) For imbalances where the quantity of natural gas received at the Receipt Point is greater than the quantity of gas consumed by the customer
 - a) Imbalances up to 2% will be aggregated on a monthly basis and, shall be purchased by the Company at the monthly index price
 - b) Imbalances greater than 2% and up to 5%, shall be purchased by the Company at 75% of the Daily Gas Purchase Price
 - c) Imbalances greater than 5% and up to 10%, shall be purchased by the Company at 65% of the Daily Gas Purchase Price
 - d) Imbalances greater than 10% and up to 20%, shall be purchased by the Company at 60% of the Daily Gas Purchase Price
 - e) Imbalances greater than 20% shall be purchased by the Company at 50% of the Daily Gas Purchase Price

Daily Cashouts of Imbalances shall be billed monthly with the Customer's monthly invoice for transportation service. Any discounts or surcharges to the Daily Gas Sales Price or the Daily Gas Purchase Price Under Section f.1 or f.2 are considered penalties.

2. Rate Schedule 2 – Negotiated Gas Transportation Service

The rate for service under this Rate Schedule will be set forth in the service agreement negotiated between the Company and the customer and filed with the Public Service Commission. Negotiated contracts at similar overall terms shall be available to all similarly situated customers. The minimum rate charged must be sufficient to recover all incremental costs incurred to serve the customer and provide a reasonable contribution to fixed costs and long run marginal costs. Depending upon the character of service provided, the rate may include one or more of the following components:

a. Minimum On-System Transportation Charge

All customers receiving firm service will be required to pay a minimum on-system transportation charge commensurate with the level of service provided and guaranteed by the Company.

b. Annual Minimum Bill Obligation

The Company reserves the right to negotiate an Annual Minimum Bill Obligation as part of the contract between the customer and Company.

c. Daily and/or Monthly Cashout Provisions

The negotiated contract between the Company and the Customer may include provisions for the daily and/or monthly balancing of transportation quantities expected against transportation quantities actually received.

Issued By: John Bruckner, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/16
STAMPS:

LEAF: 220
REVISION: 2
SUPERSEDING REVISION: 1

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

H. PENALTY CHARGES

1. Charges For Unauthorized Use

The Company reserves the right to impose a penalty charge for unauthorized usage. When service under this service classification is interrupted by the Company in accordance with the terms of the Customer's service agreement, gas consumed subsequent to such interruption and without specific authorization by the Company will be subject to an additional charge of \$100.00 per dth. The imposition of such additional charge shall not limit any rights of the Company to terminate gas service provided for in the Customer's service agreement.

2. Operational Flow Order Penalty Charges

Customers that do not comply with the Company's Operational Flow Orders (OFOs) will be subject to OFO penalty charges in addition to the daily balancing, cashout and other charges normally charged pursuant to this service classification.

a. Daily Balancing OFO

When the Company issues a Daily Balancing OFO, if a Customer's consumption (grossed up for losses) exceeds its daily deliveries to the Receipt Point by more than 2%, an OFO Penalty Charge of \$100 per dt will be assessed on the quantity that is in excess of 2%.

b. Hourly Balancing OFO

When the Company issues an Hourly Balancing OFO, a Customer that has hourly consumption (grossed up for losses) that exceeds 1/24th of its deliveries to the city gate during the gas day will be assessed an OFO Penalty Charge of \$100 per dt on its excess hourly consumption. If the Hourly Balancing OFO is issued after the start of the gas day, the Company will apply the hourly penalties to the affected hours only.

c. Other OFOs

The Company shall have the right to issue other OFOs as required to maintain system operational reliability and to ensure the Company's continued ability to provide service to its firm customers. Customers that do not comply with these OFOs will be subject to an OFO Penalty Charge of \$100 per dt.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/16
STAMPS:

LEAF: 221
REVISION: 6
SUPERSEDING REVISION: 5

**SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)**

I. INCREASE IN RATES AND CHARGES:

The rate and charges under this service classification will be increased by a tax factor pursuant to GENERAL INFORMATION Rule No. 19 of the tariff.

J. TERMS OF PAYMENT:

Bills are due and payable. Full payment must be received on or before the date shown on the bill to avoid a potential late payment charge of one and one-half percent (1½%).

K. TERM:

The term of the Service Agreement (Term) will commence as of the Effective Date and will continue for five (5) Contract Years. If the Company terminates the Customer's Service Agreement, during the initial five (5) year period or extension thereto, for failure to pay for service rendered hereunder, all moneys due under the Service Agreement, including future Minimum Annual Bills, will become due and payable.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Effective date postponed to 12/01/2016. See Supplement No. 34.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/16
STAMPS:

LEAF: 222
REVISION: 2
SUPERSEDING REVISION: 1

**SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)**

L. SPECIAL PROVISIONS:

1. Conditions Precedent:

Notwithstanding any other provision of this Service Classification, customer shall not be eligible to receive service under this Service Classification until customer pays all outstanding, undisputed overdue bills for any service rendered to customer by the Company that remain outstanding on the date of execution of this Service Agreement, including any and all late penalties or interest charges that apply to such bills.

2. Assignment or Transfer:

This Service Agreement may not be assigned by either the customer or the Company without the prior written consent of the other, which consent shall not be unreasonably withheld.

3. Metering:

Where practical, separate meters will be individually installed at the customer's expense to meter gas used for electric generation and that gas used for other requirements. Where not practical, the total measured volumes of gas will be allocated between that used for electric generation and other requirements by estimation per specifications mutually agreed upon by the customer and the Company in advance. Gas used for other requirements will be separately priced at tariff rates applicable to the specific service.

The Company will install, at the customer's expense, the necessary electronic metering equipment, acceptable to the Company, which allows the Company to provide transportation service under this service classification.

Customer is responsible for telephone service to the electronic metering equipment, as well as replacement cost of said remote metering if it is not covered under the warranty. Customer is also responsible for the cost of replacing or repairing the unit in the event that it is vandalized.

4. Customer Contribution:

Customer shall pay the Company for construction of service lines, main extensions, measuring and regulating equipment and system reinforcements necessary to provide gas transportation service to the facility. This payment shall be made prior to the Company starting construction on these facilities. The amount of such payment may be reflected in the Service Agreement and reflect bypass and operational aspects.

5. Remote Operated Valves:

To maintain system reliability, the Company may require the installation of a remote operated valve on the service lateral that supplies the customer. Any customer that fails to comply with a Company issued interruption will be required to have a remote operated valve installed and to pay for all associated charges. Starting November 1, 2016, customers applying for transportation service to serve new electric generation facilities will be responsible for paying all charges associated with the installation of this equipment.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 292 of 328

PSC NO: 219 GAS

LEAF: 223

NIAGARA MOHAWK POWER CORPORATION

REVISION: 4

INITIAL EFFECTIVE DATE: 02/01/22

SUPERSEDING REVISION: 3

STAMPS: Issued in compliance with order in Case 20-G-0281 dated January 20, 2022

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

L. SPECIAL PROVISIONS: (continued)

6. Negotiated Agreements:

The Company and customer may enter into a negotiated agreement pursuant to Rate Schedule 2 under this service classification. Negotiated agreements are permitted to reflect bypass and operational aspects. These negotiated agreements are to be filed with the Public Service Commission. Tariff addenda for similarly situated generators will be made public. The Company may seek trade secret status for the negotiated agreement. Cost justifications for the change in terms and conditions will be filed with the Public Service Commission. Negotiated agreements with affiliates are prohibited.

7. Scheduling:

No later than one (1) day prior to the nomination deadline requirement of the pipeline that customer will use to deliver gas to the Receipt Point, customer will transmit information to the Company that will provide an informal forecast of the quantities of gas that customer believes it will nominate for transportation by the Company for each Day during the succeeding calendar Month. On the same Day and manner in which customer nominates the actual quantities of gas to be transported by the transporting pipeline or marketer for delivery to the Company, or to an aggregator for delivery to the Company's system, customer will formally notify the Company of said nomination. All such notifications will be in accordance with such guidelines and practices as are customarily used by the Company for similar service.

Nominations:

For service classification No. 14 customers located in the EGTS East region of the Company's territory as described in the Company's GTOP, each customer (or their agent) shall deliver a minimum percentage of its supplies to the Company's South Albany interconnection with the Tennessee Gas Pipeline below a temperature threshold. The percentage and temperature threshold shall be determined annually each November 1st and set forth on the Statement of Balancing Charges.

The Company reserves the right to reject any application for service or nominations under this Service Classification where, in the sole discretion of the Company, the provision of service would or might result in a reduction in the Company's rights or ability to receive service, purchase gas or utilize capacity on the transmission system of its upstream pipeline(s), impair or interfere with the Company's operations, or impose costs in excess of those subject to recovery under this Service Classification.

8. Character of Service:

- A. Dual Fuel Requirement - The Company may, at its discretion, waive the dual fuel requirement of this service classification in consideration of the customer's operational capabilities and subject to the Company's assessment that system reliability will not be compromised.
- B. Transportation Service - Subject to the terms and conditions of Service Classification No. 14, the Company agrees to receive from customer at the Receipt Point on any Day such quantity of natural gas up to the MDDQ, plus Losses, as customer may tender or cause to be tendered for transportation, and to deliver on an interruptible basis such total quantity of gas, less Losses, at the Delivery Point. The Company's obligations to deliver customer-owned gas is defined in **GENERAL INFORMATION** Rule No. 3.2 of the Tariff.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/1/16
STAMPS:

LEAF: 224
REVISION: 2
SUPERSEDING REVISION: 1

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

L. SPECIAL PROVISIONS: (continued)

8. Character of Service: (continued)

- C. Interruption of Service – The Company will provide no less than two (2) hours prior notice to the customer utilizing the Communications Protocol stated within this service classification, unless an emergency requires a shorter notice period.

The customer agrees that if it fails to discontinue use of service as ordered by the Company, the Company may disconnect and cancel service.

A customer that uses distillate alternate fuels, agrees that if it fails to meet the alternate fuel requirements set forth in Rule 3.4 of this rate schedule, the penalties set forth in Rule 3.4 will apply.

- D. Upstream Transportation and Gas Supply - Customer will be responsible for obtaining all gas supply and transportation upstream of the Receipt Point.

- E. Limitation of Service - The transportation gas must be for the customer's own use at a single location and will not be re-metered, sub-metered, resold, assigned or otherwise disposed to another or others, except as provided in the Service Agreement.

Service rendered hereunder shall be for a single customer at a single location. Individual agreements are required for each location.

- F. In addition to the applicable interruptibility provisions stated above or in the Service Agreement, Gas transported hereunder may be interrupted due to Force Majeure emergencies to the extent of the Maximum Daily Delivery Quantity at the sole discretion of the Company at any time by prior oral or written notice to customer, and customer shall thereupon discontinue service as ordered.

When the Company is in a short-term "Force Majeure" supply shortage with its supplier(s), the Company has the right to purchase the customer's own gas supply. Unless otherwise agreed to under a Peak Shaving Agreement, the price paid will be the Company's weighted average commodity cost of gas from its supplier(s) for the month.

9. Pressure and Quality:

- A. Pressure and Quality Specifications:

All gas tendered or caused to be tendered by customer to the Company for transportation under this Service Classification will meet the pressure and quality specifications contained in the Tariff. In the event such gas does not meet any of those specifications, the Company is entitled to reject such gas and refuse to perform any further transportation services under this Service Classification until customer's gas meets all such specifications.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/16
STAMPS:

LEAF: 225
REVISION: 2
SUPERSEDING REVISION: 1

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

L. SPECIAL PROVISIONS: (continued)

9. Pressure and Quality: (continued)

In cases where the customer desires delivery pressure above existing tariff levels, the Company shall include in the Service Agreement or as a component of the contribution in aid of construction the recovery of the costs for these incremental facilities and incremental operating expenses.

B. Liability for Pressure and Quality:

As between customer and the Company, customer will be solely responsible and liable for any charges, penalties, costs or expenses incurred or payable by either party for customer's failure to provide gas that conforms to the pressure and quality requirements of Special Provision 9, Section A above.

10. Liability and Indemnification:

Customer and the Company will indemnify and hold the other harmless against any and all claims, actions or damages caused by or resulting from its control and possession of gas transported under this Agreement. As between the parties, the customer will be presumed to be in control and possession of the gas transported under this Agreement at any time prior to the time the Company receives the gas at the Receipt Point and at any time after the Company delivers the gas at the Delivery Point. The Company will be in control and possession of such gas after it has received the gas at the Receipt Point and up to the time it delivers gas at the Delivery Point. Title to gas transported under this Agreement will, at all times, vest in customer.

Each customer under this Service Classification warrants that it will, at the time it delivers gas to the Company for transportation, have good and merchantable title to all such gas free and clear of all liens, encumbrances and claims whatsoever. The customer shall indemnify the Company and save it harmless from all suits, actions, debts, accounts, damages, costs, losses and expenses arising out of the adverse claims of any or all persons to said gas including claims for any royalties, taxes, license fees or charges applicable to such gas or to the delivery of such gas to the Company for transportation.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Effective date postponed to 12/01/2016. See Supplement No. 34.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/16
STAMPS:

LEAF: 226
REVISION: 2
SUPERSEDING REVISION: 1

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

L. SPECIAL PROVISIONS: (continued)

11. Force Majeure:

- A. Definition of Force Majeure Events - The term Force Majeure means an event (i) that was not within the control of the party claiming its occurrence (ii) that could not have been prevented or avoided by such party through the exercise of due diligence; and (iii) that prohibits or prevents such party from performing its obligations under this agreement. Events that may give rise to a claim of Force majeure include:
1. Acts of God, including earthquakes, epidemics, fires, floods, hurricanes, landslides, lightning, storms, washouts, blowouts, freezing of wells or lines of pipe used to supply the gas described in this Agreement and other similar unusual and severe natural calamities;
 2. Acts of the public enemy, wars, blockade, insurrections, riots, civil disturbances and arrests;
 3. Strikes, lockouts or other industrial labor disturbances;
 4. Explosions, breakage, accidents to equipment or lines of pipe used to supply or affecting the use of the gas described in this Agreement;
 5. The imposition by a Government Authority, court or other governmental authority having jurisdiction of binding laws, conditions, limitations, orders, rules or regulations that prevent or prohibit a party from performing, provided such governmental action has been resisted in good faith by all reasonable legal means.
- B. Notice and Limitation on Obligations Under Force Majeure - If either party because of Force Majeure is rendered wholly or partly unable to perform its obligations under this Agreement, except for the obligation to make payments of money for services previously rendered, such party will be excused from whatever performance is affected by the Force Majeure, but only to the extent so affected, provided that:
1. The non-performing party, as soon as reasonably practicable, will provide oral notice of the Force Majeure event to the other party in accordance with Special Provisions: Notices of this Service Classification, followed by written notice (via facsimile, telex, or telecopy or computer hook-up, if available) within forty-eight (48) hours after provision of the oral notice;
 2. Within five (5) days after the commencement of the Force Majeure, the non-performing party will give the other party written notice describing the particulars of the occurrence;

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/16
STAMPS:

LEAF: 227
REVISION: 1
SUPERSEDING REVISION: 0

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

L. SPECIAL PROVISIONS: (continued)

3. The suspension of performance is of no greater scope and of no longer duration than is required by the Force Majeure;
 4. No obligations of either party which arose before the occurrence causing the suspension of performance are excused as a result of the occurrence;
 5. The non-performing party uses reasonable diligence to remedy its inability to perform; and
 6. the non-performing party will give the other party oral notice of the date the Force Majeure is no longer in effect as soon as practicable, and will provide written notice within twenty-four (24) hours after the provision of the oral notice.
- C. Requirements to Claim Force Majeure - No party will be entitled to the benefit of Force Majeure under any of the following circumstances:
1. To the extent such party was negligent, in whole or in part, in causing such Force Majeure or to the extent that such Force Majeure is the result of acts, omissions or the negligence of such party's corporate affiliates;
 2. To the extent such party failed to use due diligence or failed to utilize all reasonable dispatch and reasonable efforts in removing or overcoming such Force Majeure to again put itself in a position to carry out all of the obligations which it has assumed;
 3. In the event such party claiming Force Majeure fails to give reasonable written notice as described in Special Provisions Force Majeure 2; or
 4. To the extent such party's inability to perform was caused by that party's lack of funds;
 5. Settlement of Labor Disputes - Settlement of strikes and lockouts will be entirely within the discretion of the party affected, and the requirements that any event of Force Majeure will be remedied with all reasonable dispatch will not require the settlement of strikes and lockouts by acceding to the demands of the parties directly or indirectly involved in such strikes or lockouts when such course is inadvisable in the discretion of the party having such difficulty.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 11/01/16
STAMPS:

LEAF: 228
REVISION: 2
SUPERSEDING REVISION: 1

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

L. SPECIAL PROVISIONS: (continued)

12. Security:

A. Obligation to Provide Security:

The Company may require a deposit as set forth in **GENERAL INFORMATION** Rule No. 2.4.2.1 of this Tariff. If a customer taking service under this Service Classification does not have a minimum "BBB" rating from Standard and Poors or Fitch coupled with 24 months of good payment history with the Company, the following security requirements should apply.

Customer shall provide and maintain firm security satisfactory in form and content to the Company, in the form of cash or a Letter of Credit, in an amount sufficient to guarantee payment for sixty (60) days of service under this Service Classification, including the provisions identified in the Definition of Rates Section of this schedule. If there is a change in the charges assessed under this Service Classification or service that would change the amount to be covered by such security, customer will be required to adjust the amount of security within thirty (30) Days.

B. Requirements of Letter of Credit:

In the event customer elects to post firm security in the form of a Letter of Credit:

1. Letter of credit shall mean an irrevocable Letter of Credit issued by a financial institution selected by customer and acceptable to the Company, which financial institution shall have at least an A rating;
2. Customer shall be responsible for maintaining a Letter of Credit in full force and effect during the entire term of this Service Agreement and replacing any such Letter that is to expire with a new one no later than thirty (30) Days prior to the date of expiration of the previous Letter of Credit.
3. The sole drawing conditions under the Letter of Credit shall be the delivery to the Issuer, with a copy to customer, of a certificate signed by a duly authorized officer of the Company, certifying that (i) the Service Agreement has been terminated (ii) customer has failed to deliver to the Company a Letter of Credit or replacement Letter of Credit in accordance with the immediately preceding Special Provisions - Security Subparagraph B, or (iii) customer has failed to make payment to the Company for transportation services under this Service Classification and is in arrears by thirty (30) Days or more. The amount of the Letter of Credit the Company draws down will represent the Company's estimation of damages from termination, the full amount required to replace an expiring Letter of Credit, or customer's actual arrearage to date, as the case may be. Multiple draw downs will be permitted up to the full value of the Letter of Credit.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 11/01/16
 STAMPS: .

LEAF: 229
 REVISION: 3
 SUPERSEDING REVISION: 2

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

L. SPECIAL PROVISIONS: (continued)

13. Notices:

Unless otherwise specified in the Service Agreement, any notice to be given under this Service Agreement will be in writing and will be deemed to have been properly given (i) when actually received by the party to whom the notice is addressed or its authorized representative, or (ii) when mailed by United States registered or certified mail, postage prepaid, return receipt requested, to the party to be notified. Routine communications and monthly billing statements will be considered as duly delivered when mailed by either registered, certified, or ordinary mail. Such communications will be addressed to the respective parties as follows:

To Niagara Mohawk:	Niagara Mohawk A National Grid Company 300 Erie Boulevard West Syracuse, New York 13202 Attn: Manager, Gas Pricing
--------------------	--

To Customer:	Company Name Company Address City, State Zip Attn: Title and/or Person
--------------	---

or to such other address as may be designated in writing by either party.

14. Communications Protocol. Effective October 2012, the Company will maintain a database of contact information for all of its interruptible customers and interested stakeholders (e.g., DPS Staff, ESCOs, NYSERDA and oil associations). This database will be used to provide notifications to these customers and stakeholders regarding the Company's interruptible service, including: forecast temperatures, potential interruptions, and the initiation/conclusion of actual interruptions. These notifications will be sent via multiple mediums, such as telephone, electronic mail and text message. Beginning October 2012, the Company will perform an annual communications test during which interruptible and temperature controlled customers will be asked to confirm their contact information.

Issued By: Kenneth D. Daly, President, Syracuse, New York

Effective date postponed to 12/01/2016. See Supplement No. 34.

PSC NO: 219 GAS

LEAF: 229.1

NIAGARA MOHAWK POWER CORPORATION

REVISION: 3

INITIAL EFFECTIVE DATE: 07/01/17

SUPERSEDING REVISION: 2

STAMPS: Issued in Compliance with Order of PSC in Case 15-G-0185 dated 06/16/17.

SERVICE CLASSIFICATION NO. 14
GAS TRANSPORTATION SERVICE FOR DUAL FUEL ELECTRIC GENERATORS (CONTINUED)

L. SPECIAL PROVISIONS: (continued)

14. Communications Protocol (continued)

The Communications Protocols for all customers served under this service classification are described in the Company's Gas Transportation Operating Procedures Manual, Section VII, as filed with the Public Service Commission. Customers will be required to provide affidavits confirming that they have alternative fuel supply contracts in place for the upcoming winter heating season as described in the Company's Gas Transportation Operating Procedures Manual, Section VII, as filed with the Public Service Commission.

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 02/15/06

LEAF: 230
REVISION: 3
SUPERSEDING REVISION: 2

**APPLICATION FOR GAS SERVICE
FORM "A"**

Date: _____, 20__

I (CUSTOMER), hereby apply to Niagara Mohawk Power Corporation (COMPANY) to supply natural gas for use upon the premises located at:

I require gas service to begin on _____, 20__ and to continue until canceled. I agree to observe and perform all rules and regulations of Niagara Mohawk Power Corporation and to pay the rates provided by Service Classification No. ____ P.S.C. No. 219 filed with the P.S.C. of the State of New York.

I agree that if the premises are to be served from a main extension constructed, pursuant to Rule 10, of the GENERAL INFORMATION, contained in the Company's schedule for the Gas Service, P.S.C. No. 219 Gas, I will pay the charges required under this rule.

New and existing customers applying for Service Classification No. 13, Distributed Generation Service – Residential, are required to complete this “Form A” in accordance with Special Provision 2 of Service Classification No. 13.

___ Existing Customer Applying for SC13

___ New Customer Applying for SC13

If service is to be taken under Service Classification No. 13, I agree that, upon prior notice by the Company, the Company may install an Approved Remote Meter (ARM) at the premises to be served. I agree to provide access to an electrical supply, if necessary, and phone line for the operation of the device in an area acceptable to the Company.

I will provide Niagara Mohawk Power Corporation with a copy of the installation proposal for the gas appliance(s) to be installed. A copy of the installation proposal will be required with the submittal of this Form A.

In addition, I agree to reimburse Niagara Mohawk Power Corporation the entire cost of service line if I have not activated an appliance by _____ (Date – MM/DD/YYYY).

The cost of the service line is \$_____ per foot.

CUSTOMER

NIAGARA MOHAWK POWER CORPORATION

By: _____

By: _____

Date: _____

Date: _____

PSC NO. 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: NOVEMBER 20, 2017

LEAF: 231
REVISION: 4
SUPESEDING REVISION: 3

nationalgrid

APPLICATION FOR NON-RESIDENTIAL CUSTOMERS

This application is for non-residential electric and/or gas service with Niagara Mohawk Power Corporation d/b/a National Grid (“Niagara Mohawk” or “Company”).

As a Niagara Mohawk non-residential customer, you agree to pay for service according to the rates, charges and terms of your service classification and in accordance with the provisions of the applicable (electric and/or gas) Niagara Mohawk rate schedule. Copies of Niagara Mohawk’s rate schedule are available upon request or the Company’s website at www.nationalgrid.com.

Special Note to Applicant: A Security Deposit may be required based on a credit analysis.

Please review and/or complete all fields and sign Part C at the end of this application and return the executed form to the Company to finalize the application process.

This is an important notice. Please have it translated.

Este é um aviso importante. Quiera mandá-lo traduzir.
Este es un aviso importante. Sírvase mandarlo traducir.
Avis important. Veuillez traduire immédiatement.

ĐÂY LÀ MỘT BẢN THÔNG CÁO QUAN TRỌNG
XIN VUI LÒNG CHO DỊCH LẠI THÔNG CÁO ẤY
Questa è un'informazione importante,
Si prega di tradurla.

Это очень важное сообщение.
Пожалуйста, попросите чтобы
вам его перевели.

ACCOUNT INFORMATION *(Please print)*

Applicant Information

Applicant Name and Title (Person completing application) _____ / _____	
Service Address _____	City/Town _____
State _____ Zip _____	
Mailing Address _____	City/Town _____
State _____ Zip _____	
Telephone: <i>(business)</i> _____	<i>(home)</i> _____ <i>(mobile)</i> _____
Business Name: (Legal Entity name) _____	
D/B/A: _____	
Date of Incorporation: _____ State of Incorporation: _____	
Tax ID/SSN Number _____ Sales Tax Status*: <input type="radio"/> taxable <input type="radio"/> tax-exempt <input type="radio"/> partially-exempt	
Entity is established as:	
<input type="radio"/> Individual <input type="radio"/> Sole Proprietorship <input type="radio"/> Corporation <input type="radio"/> Limited Liability Corp (LLC) <input type="radio"/> Limited/General Partnership <input type="radio"/> Other	

***NOTE: If you claim non-taxable or partially exempt status, the appropriate exemption certification MUST BE PROVIDED to the Company to receive an exemption.**

PSC NO. 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: NOVEMBER 20, 2017

LEAF: 232
REVISION: 4
SUPERSEDING REVISION: 3

Principal Officers (if applicable), Partners or Owners of Business

Name _____	Title _____	Telephone _____
Mailing Address _____	City/Town _____	State ____ Zip _____
Name _____	Title _____	Telephone _____
Mailing Address _____	City/Town _____	State ____ Zip _____

Meter Access Information (Complete if different from applicant)

Owner/Landlord/Access Controller Name _____
Telephone: (business) _____ (home) _____ (mobile) _____
Mailing Address _____ City/Town _____ State ____ Zip _____

Service and Rate Classification Information

The questions in this section are designed to assist the Company in placing the customer on the proper and the most beneficial service classification. The Company may rely on this information in classifying the service. A customer may be eligible for service under more than one classification, and one classification may be more beneficial than another. The cost of service may vary under different service classifications. The Company's gas and electric tariffs (PSC No. 219 – GAS and PSC No. 220 – ELECTRICITY) describe each service classification in detail, are available upon request at the Company's business offices, and may be found on the Company's website at www.nationalgrid.com. Questions about service classifications may be discussed with Company representatives by calling 1-800-664-6729. You may also want to consult your contractor for help in completing this form.

If the customer's use of service or equipment changes in the future, the customer must notify the Company of these changes in order to ensure that the customer is being properly billed. If the information provided by the customer relevant to service classification is inaccurate or incomplete, the customer may be subject to backbilling on the correct service classification, or may be precluded from receiving a refund for over charges based on an incorrect service classification.

PSC NO. 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: NOVEMBER 20, 2017

LEAF: 233
 REVISION: 4
 SUPERSEDING REVISION: 3

It is important for you to answer the following questions accurately and completely to determine the proper service classification for your account.

1. Service being requested: Electric Gas Electric & Gas
2. Date you are responsible for the account/property (ownership or lease date):

3. Are you operating the same type of business as the previous occupant of this premise? * Yes No
 - a. If no, why?

 - b. If this is a new service, please describe your usage pattern.
 Electric service usage pattern: (KWH) _____ Kilowatts (KW) _____
 Gas service usage pattern: Therms per month _____

**Note: if you select yes, we will use the existing rate profile to determine the service classification for this location*

A. Use of Service for Residential Purposes:

1. Is any part of the structure served by this meter(s) used for RESIDENTIAL purposes, such as rooms for rent, apartments, or your personal residence? (If no, skip to Part B – Electric Information below)
 Yes No
2. Are your residence and your business in the same structure and are both areas served by the same meter?
 Yes No
 How many individual rooms are devoted to your business? _____
 Of the total area of the structure, what percentage of space is devoted to your business? _____
 How many employees (if any) work at this location? _____
3. How many individual residential units are provided for the following electric services?
 Lighting ___ Heating ___ Water Heating ___ Cooking ___
 Common area lighting/heating (hallways, etc.) ___
4. How many individual residential units are provided for the following gas services?
 Lighting ___ Heating ___ Water Heating ___ Cooking ___
 Common area lighting/heating (hallways, etc.) ___

PSC NO. 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: NOVEMBER 20, 2017

LEAF: 234
REVISION: 4
SUPERSEDING REVISION: 3

B. Electric Information

1. The amount and nature/type of your electric usage will generally determine the rate at which you will be billed. Which of the following best describes your business or premises? *(Check only one)*
- Store, restaurant, commercial office Medical or professional office building or suite
 - Apartment or premises in a residential building, where business is also conducted (Example: doctor's office, beauty parlor, real estate, etc.)
 - Hotel, motel, hospital, nursing home
 - Religious use, as a house of worship, living quarters for the clergy, rectory or parochial school
 - Other (Describe)

2. Which of the following best describes your use of electricity? *(Check only one)*
- Exclusively for hall lighting, elevators, and other common areas of apartment or commercial building
 - Entire premise for your own use (Example: retail store)
 - Entire premise, including redistributing electricity to: Residential Tenants Commercial Tenants

3. Do you have the following? *(Check all that apply)*
- An emergency generator Electric space heating Electric hot water heating

4. Do you know what high consumption equipment you will be using? If so, enter below. If not, leave blank.

Electric Equipment Type (i.e. air condition)	# of units	Kilowatts (kws)	Horsepower (HP)

5. You have a right to request that we perform an inspection to assure the accuracy of the meter(s) on which you will be billed. To request such an inspection please place an 'X' here: _____
6. Have you or do you plan to add or remove any equipment, make any renovations, or implement any changes to your business operations that would significantly increase or decrease the amount of electricity compared to the previous occupant?
- Yes No If yes, please provide details:

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: NOVEMBER 20, 2017

LEAF: 235
REVISION: 3
SUPERSEDING REVISION: 2

C. Gas Information

1. The amount and nature/type of your gas usage will generally determine the rate at which you will be billed. Which of the following best describes your business or premises? (Check only one)

Non-Human Needs

- Store, restaurant, commercial office
- Religious use, as a house of worship, living quarters for the clergy, rectory or parochial school
- Veteran's Organization
- Warehouse

Human Needs

- Apartment House
- Mobile Home Park
- Correctional Facility
- General Medical or Psychiatric Hospital
- Condominium
- Medical or Dental Office or Clinic
- Rooming or Boarding House
- Nursing Home or Adult Home
- Multi-Family Dwelling

2. Which of the following best describes your use of gas? (Check all that apply)

- Hot Water Heating burner
- Commercial Cooking
- Gas air-conditioning
- Laundry Dryers
- Gas redistribution to tenants for cooking
- Electricity Generator
- Dual-fuel
- Space Heating

3. Is your business located at a Building of Public Assembly as described below?

- School, Hospital, Nursing Home or Institution licensed by NYS for the Care of Children
- Factory which normally employs 75 or more people
- Other building with nominal capacity of 75 or more persons to which public is regularly admitted (excluding those used solely as office buildings or residential apartments and normally have no other utilization in excess of the 75-person limit).

4. Do you know what high consumption equipment you will be using? If so, enter below. If not, leave blank.

Gas Equipment Type (ex. furnace)	British Thermal Units (BTUs)	No. of Units

5. Have you or do you plan to add or remove any equipment, make any renovations, or implement any changes to your business operations that would significantly increase or decrease the amount of gas compared to the previous occupant?

- Yes No If yes, please provide details:

6. You have a right to request that we perform an inspection to assure the accuracy of the meter(s) on which you will be billed. To request such an inspection please place an 'X' here: _____

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: NOVEMBER 20, 2017

LEAF: 236
 REVISION: 4
 SUPERSEDING REVISION: 3

Based on your responses, we have determined the following information:

Type of Service	Rate	Revenue Class	SIC Code	Assigned by	Date
Gas					
Electric					

To be completed by ALL applicants: Public Service Law § 76 permits certain corporation or associations organized and conducted in good faith for religious purposes, including the operation by such corporation or association of a school, notwithstanding that secular subjects are taught at such school, certain community residents as defined in the Mental Hygiene Law, and posts or halls, owned or leased by a not-for-profit corporation that is a veteran’ organization, to receive services at rates no greater than the rates charged to residential customers (please see the Additional Information section of this form for details). Residential rates are lower than commercial rates for most customers, but not all, customers. If Niagara Mohawk denies the customer application of residential rates, the Company shall, upon written request, inspect the applicant’s premises and review the Company’s decision in light of the information obtained from such an inspection. The applicant may appeal Niagara Mohawk’s denial of residential rates to the Public Service Commission.

Applicant Commitment/Signature/Customer Certification of Application

With my signature below, I certify that, to the best of my knowledge, the information provided in this application is accurate and does not contain any misrepresentations. My signature below also serves as acknowledgement that I have been provided with the “Your Rights and Responsibilities as a Non-Residential Customer” brochure, which describes common non-residential service classifications and other aspects of non-residential service.

Print Name of Person Signing Application: _____

Date: _____

Full Signature: _____

The signatory represents and warrants to National Grid that he or she has the full authority to execute this Application on behalf of the business identified on Page 1 of this application.

For Company Use Only

Account Number _____ Date Service Requested For _____

Security Deposit Yes No | Amount (if applicable) _____

Application Status	Approved by	Date	Service provided on
	Denied by	Date Issued	Denial Reason

Filed: 2023-03-08, EB-2022-0200, Exhibit I.3.2-SEC-152, Attachment 1, Page 307 of 328

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: NOVEMBER 20, 2017LEAF: 237
REVISION: 5
SUPERSEDING REVISION: 4

ADDITIONAL INFORMATION

This section provides additional information for those applying for residential rates as a religious organization, community residence, or a veterans' organization.

Certain religious organizations, community residences, as defined in the Mental Hygiene Law, and posts or halls, owned or leased by a not-for-profit corporation that is a veterans' organization, may have the choice of being billed under either residential rates or commercial rates.

For most customers, if you qualify, residential rates are more economical. To receive service under residential rates, you must document your eligibility by attaching the requested information to the Application For Service For Non-Residential Customers. If you submit sufficient documentation to Niagara Mohawk at a later date, the account will be transferred to residential rates as of the date we receive the documents.

If this is a religious organization, you are eligible for residential rates if the premises are used primarily and principally for religious purposes (e.g. for divine worship or other religious observances) or is a school operated by a religious organization with required religious instruction, notwithstanding that secular subjects are taught at such school. To qualify for residential rates, you must provide documentation of your eligibility. Examples of acceptable proof include, but are not limited to: Certificate of Incorporation under the NYS Religious Corporations Law or Education Law; religious charter; letter from a recognized "parent" religious organization; religious designation from the IRS or other governmental agency; or other reasonable documentation that shows your group is organized, in good faith, for religious purposes and that the premises are used primarily and principally for religious purposes. Niagara Mohawk reserves the right to request additional documentation in support of a residential rate. If you apply for and are denied residential rates, you may request, in writing, that we inspect the premises and review the rate determination in light of the information obtained from the inspection. You may also appeal the rate classification to the Public Service Commission.

If this is a community residence, you are eligible for residential rates if, as defined in the Mental Hygiene Law, the residence is operated by a not-for-profit corporation and is either (1) a "supervised living facility" (as defined in the Mental Hygiene Law) providing 24-hour per day on-site supervision and living accommodations for 14 or fewer residents; or (2) a "supportive living facility" (as defined in the Mental Hygiene Law) providing supervised independent living without 24-hour per day on-site supervision. To qualify for residential rates, you must document your eligibility by providing a copy of your Certificate of Incorporation under the Not-For-Profit Corporation Law and license from the NYS Office of Mental Hygiene or the NYS Office of Mental Retardation and Developmental Disabilities. NOTE: Usage must be primarily and principally in connection with a community residence.

If this is a veterans' organization, you are eligible for residential rates under Public Service Law § 76, if the premises is a post or hall owned or leased by a not-for-profit veterans' organization. To qualify for residential rates, eligible customers must submit certification of their status as an organization exempt under IRC Section 501(c)(19)

If you are applying for residential rates as a religious organization, community residence, or a veterans' organization:

You May Be Required To Pay A Deposit: You may be required to pay a deposit when applying for service. The Company has the sole right to determine whether a deposit will be applied and the amount of the deposit. For heating customers, the deposit is based on the cost of two months' service during the heating season. You may call the Company in advance to find out approximately what the deposit amount will be.

Security Deposit Information: New non-residential customers are required to pay a deposit when applying for service. Interest is applied only for cash deposits to your account annually at a rate set by the Public Service Commission.

If you have questions about any of the above items, please check with your accountant or contact the NYS Dept. of taxation and the Finance at 1-800-225-5829

HOW TO REACH US BY PHONE

Call our Commercial Team service Number at 1-800-664-6729 Monday-Friday from 8 am to 4 pm.

Have your account number ready.

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 07/25/05

LEAF: 238
REVISION: 1
SUPERSEDING REVISION: 0

RESERVED FOR FUTURE USE

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 07/25/05

LEAF: 239
REVISION: 1
SUPERSEDING REVISION: 0

RESERVED FOR FUTURE USE

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 07/25/05

LEAF: 240
REVISION: 1
SUPERSEDING REVISION: 0

RESERVED FOR FUTURE USE

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 241
REVISION: 0
SUPERSEDING REVISION:

**APPLICATION FOR SERVICE UNDER
SERVICE CLASSIFICATION NO. 9 – TRANSPORTATION SERVICE
FOR LONG TERM LARGE VOLUME CUSTOMERS
FORM "T9"**

Date _____, 20 ____

THE UNDERSIGNED, (hereafter called "Customer") hereby requests a gas service proposal from NIAGARA MOHAWK POWER CORPORATION (hereafter called "Company") under Service Classification No. 9 for the _____ (hereafter called "Project") located in City or Village of _____, County of _____. A detailed description of the Project and its requirements are:

1. Customer
Customer Name: _____
Business Address: _____
Street: _____
Town: _____
Phone: _____
Fax: _____

Principal Contact
Contact: _____
Phone: _____
Fax: _____

2. Electric Contract
Purchasing Utility: _____
Net Electrical Output: _____
Term: _____
Power Purchase Agreement (type): _____

3. Steam Contract
Steam Host: _____
Host Facility: _____
Term: _____

4. Gas Service
Volume Requirements _____ Dt Hour Peak
_____ Dt Day Peak
_____ Dt Day Average
_____ Dt Annual Peak
_____ Dt Annual Average

Pressure Requested _____ psig
Minimum Required _____ psig

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 242
REVISION: 0
SUPERSEDING REVISION:

**APPLICATION FOR SERVICE UNDER
SERVICE CLASSIFICATION NO. 9 – TRANSPORTATION SERVICE
FOR LONG TERM LARGE VOLUME CUSTOMERS
FORM "T9" (CONTINUED)**

Load Factor

Availability Hours (% of 8760)	_____	
Operating Hours (% of 8760)	_____	
Alternate Fuel		
On Site Storage Capacity	_____	
Test Gas Date	_____	
Operation Date	_____	
Peak Shaving Availability	_____	Dt/Day
Nov. 1 to Apr. 16	_____	Number of Days

The Customer agrees to provide a plot plan depicting the location of metering facilities.

If terms and conditions are mutually agreed upon, then customer will enter into an Agreement with the Company under Service Classification No. 9.

Customer Name

Customer Signature

Title

Date

Acknowledgment:

NIAGARA MOHAWK POWER CORPORATION

By: _____

Date: _____

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 243
REVISION: 0
SUPERSEDING REVISION:

**NATURAL GAS VEHICLE SERVICE
APPLICATION FORM
FORM "NGV"**

Date _____, 20 ____

THE UNDERSIGNED, (hereafter called "Customer") hereby applies to the Niagara Mohawk Power Corporation (hereafter called "Company") for _____ (firm or interruptible) natural gas vehicle sales service for use upon the premises located at

_____ (date).
commencing _____ (date).

The Customer agrees to observe and perform all the rules and regulations of the Company and to pay the rates provided by Service Classification No. _____, P.S.C. 219 for the sale of natural gas for use in motor vehicles. The Customer agrees to pay such rates and charges contained in the Company's gas tariff, P.S.C. No. 219 filed with the Public Service Commission (Commission) of the State of New York as the same may be from time to time changed, amended, and/or supplemented.

TERM:

The customer agrees that the initial term of service is one year commencing with the first day of the month in which natural gas vehicles are able to begin refueling. The Agreement will be continued from year to year thereafter unless terminated by advance written notice of either party to the other, given at least thirty (30) days prior to the applicable annual termination date or at any time by order of the Public Service Commission of the State of New York. Notwithstanding any other provisions of this Agreement or the Tariff Schedule, if the customer fails to comply with the terms and conditions of this Agreement, the Company shall have the right to terminate Natural Gas Vehicle Service provided hereunder.

CUSTOMER DESIGNATION:

Customers receiving service under this Service Classification will be designated as one of the following:

(Check only one)

_____ Type 1: Interruptible uncompressed natural gas service.

_____ Type 2: Firm uncompressed natural gas service.

_____ Type 3: Firm uncompressed natural gas for resale in a public refueling facility.

RATE:

The customer shall pay the Company for all services rendered hereunder and provided in Service Classification No. _____ of the Tariff Schedule, together with all other applicable adjustments, surcharges and taxes as specified in the Tariff Schedule.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 244
REVISION: 0
SUPERSEDING REVISION:

**NATURAL GAS VEHICLE SERVICE
APPLICATION FORM
FORM "NGV" (CONTINUED)**

INCORPORATION BY REFERENCE:

The customer shall comply with all applicable provisions of the applicable Natural Gas Vehicle rate, service classification, and the Tariff Schedule, as revised from time to time by filing of the Company or by order of the Public Service Commission.

MISCELLANEOUS:

1. Modifications - No modifications of the terms and provisions of this Service Agreement shall be or become effective except by the execution of written contracts.
2. Liability - The Company assumes no liability for the safety, workmanship, and effectiveness of customer's natural gas vehicles, including customer's compressed natural gas equipment and its installation.
3. Superseding Laws - This agreement and the respective obligations of the parties hereunder are subject to valid laws, orders, rules and regulations of duly constituted authorities having jurisdiction.

ACCEPTED:

NIAGARA MOHAWK POWER CORPORATION

BY:

Duly Authorized Representative

Title

Date

ACCEPTED:

Customer Name

Duly Authorized Representative

Title

Date

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 246
REVISION: 0
SUPERSEDING REVISION:

**NIAGARA MOHAWK POWER CORPORATION
GAS MAIN EXTENSION FORM "C"
(FOR CUSTOMERS WHOSE ANNUAL USAGE EQUALS OR EXCEEDS 25,700 DTS.)**

THE UNDERSIGNED hereby agrees to the following conditions of service:

1. A contribution in the amount of \$ _____ will be prepaid to the Company for the cost of the Company's new facilities not covered by two years of estimated adjusted gas revenues of \$ _____. The estimated adjusted gas revenues are based on an anticipated annual usage of _____. If after the specified two-year period, the Company's actual adjusted gas revenues reduce or eliminate the contribution paid, the Company will make an appropriate refund without interest.
2. In the event that at the end of the two-year period, the actual adjusted gas revenues are less than the estimate stated in Item 1, the undersigned hereby agrees to pay a contribution for the adjusted gas revenue deficiency determined by the Company.
3. If the Company is required to temporarily curtail gas service during the two-year period, the customer will be permitted an extension of time equal to the curtailment period for determining the actual purchases made and the Company's adjusted gas revenues.

ACCEPTED:

CUSTOMER NAME:

NIAGARA MOHAWK POWER CORPORATION

By: _____

By Its Duly Authorized Representative

Date: _____

Title

Date

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 01/15/14
STAMPS: Issued in compliance with order in Case No. 13-M-0061 dated November 18, 2013

LEAF: 247
REVISION: 1
SUPERSEDING REVISION: 0

**NIAGARA MOHAWK POWER CORPORATION
DEFERRED PAYMENT AGREEMENT
NON-RESIDENTIAL CUSTOMERS**

Customer Name _____ Account Number _____

Name of individual making agreement _____

Contact telephone no. _____

Service Address _____

Agreement Taken	In Office	Amount Owing for Past Due Service Charges	\$ _____
	In Field	Amount Owing for Other Charges	\$ _____
	By Telephone	Amount Owing for Security Deposit	\$ _____
		Total Amount Owing	\$ _____

Date of Last Field Collection Call _____

Niagara Mohawk and the customer named above have entered into a Deferred Payment Agreement which follows. It is understood that the Company agrees not to shut-off service as long as the customer honors the terms of the Agreement. Terms of the Agreement are:

- Timely payment of all current charges while this Agreement is in effect.
- A down payment of \$ _____. The balance of \$ _____ is to be paid as follows:

Date	Payment	Date	Payment	Date	Payment
	\$		\$		\$
	\$		\$		\$
	\$		\$		\$

- Late Payment Charges:

This Agreement may be subject to a late payment charge at the rate of one and one-half percent (1 1/2%) monthly, eighteen percent (18%) annually. Total late payment charges for the length of this agreement are calculated to be \$ _____. This amount may be greater or less, however, if payments are made either late or early.

A Security Deposit of \$ _____ to be paid as follows:

Date	Payment	Date	Payment	Date	Payment
	\$		\$		\$

Issued By: Kenneth D. Daly, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 248
REVISION: 0
SUPERSEDING REVISION:

**NIAGARA MOHAWK POWER CORPORATION
DEFERRED PAYMENT AGREEMENT
NON-RESIDENTIAL CUSTOMERS (CONTINUED)**

For this Agreement to become binding on both the customer and Niagara Mohawk, the customer must:

1. Sign and date the Agreement.
2. Make any required downpayment.
3. Return the signed Agreement to the Company no later than _____.

Should the customer enter into this Agreement and later fail to comply with the terms stated, Niagara Mohawk may issue a Final Termination Notice at once.

Rules pertaining to Deferred Payment Agreements for non-residential utility customers are contained in Title 16 of the New York Code of Rules and Regulations. The customer may contact the New York State Public Service Commission to determine if this Agreement conforms to those rules.

x		
	Customer's Signature (required to indicate acceptance of Agreement)	Date

x		
	Niagara Mohawk Signature (representative accepting Agreement)	Date

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 249
REVISION: 0
SUPERSEDING REVISION:

**IRREVOCABLE LETTER OF CREDIT
SAMPLE LETTER OF CREDIT**

Date

IRREVOCABLE LETTER OF CREDIT

Letter of Credit #

Expires:

To Whom It May Concern:

We hereby authorize you to value on (Name of bank) for the account of:

up to an aggregate amount of (\$) available by your draft at sight bearing this credit number accompanied by:

Your statement that the account of of is delinquent;

Two (2) copies of the bill(s) in the amount of the arrearages.

"It is a condition of the credit that it shall be deemed automatically extended without amendment for one (1) year from the present or any future expiration date hereof, unless thirty (30) days prior to any such date we shall notify you in writing that we elect not to consider this Letter of Credit renewed for any such additional period. Upon receipt by you of such notice, you may draw the full amount of the credit hereunder, against your draft only, without the documentation mentioned herein."

EXPIRATION DATE:

Drafts must be negotiated not later than the expiration date shown above or any extension thereof and the amount must be endorsed in this letter of credit by the negotiating bank.

We hereby agree with the drawers, endorsers, and bona fide holders of drafts drawn under and in compliance with the terms of this credit that such drafts will be duly honored on due presentation to the drawee.

Except: so far as otherwise stated, this credit is subject to the Uniform Customs and Practice for Documentary Credit 1974 revision International Chamber of Commerce brochure #290.

Very truly yours,

AUTHORIZED SIGNATURE

CJT/skm

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 250
REVISION: 0
SUPERSEDING REVISION:

LETTER OF CREDIT

(Bank Name and Address)

Date _____

Letter of Credit No.

To Whom It May Concern:

We hereby establish our IRREVOCABLE credit in your favor for the account of (Name of Customer) _____ available by your drafts drawn at (Bank Name and Address) _____ sight on (Date) _____ for any sum or sums not exceeding a total of \$ _____.

Accompanied by commercial invoice describing the merchandise as indicated below,

Except otherwise expressly stated herein, this credit is subject to the Uniform Customs and Practice for Documentary Credits (1974 revision), International Chamber of Commerce, Publication No. 290.

Also except as otherwise expressly stated herein, any charges or commission in respect to the negotiation of drafts under this credit are for your account.

The amount of each draft negotiated, with the date of negotiation, must be endorsed hereon by the negotiating bank, and any draft presented to us shall constitute a warranty of the negotiating bank that such endorsement was effected.

All drafts drawn under this credit should bear the clause:

We hereby agree with you and with negotiating banks and bankers that all drafts drawn by virtue of this credit, and in accordance with its terms, shall meet with due honor upon presentation and delivery of documents as specified to: (Bank Name and Address) is negotiated, or if presented at this Office together with this letter of credit on or before _____.

Very truly yours,

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 251
REVISION: 0
SUPERSEDING REVISION:

Bond No. _____

WITNESSETH: This Surety Bond given by _____, as Principal, and _____, as Surety, are jointly and severally bound unto Niagara Mohawk Power Corporation, as Obligee, in the amount of (Dollars) _____ for the payment of which the Principal and Surety bind themselves, their heirs, executors, administrators, successors, assigns or other legal representatives.

WHEREAS, the said Principal has requested the Obligee to furnish electric and gas service to the Principal at his present location:

(Indicate Customer Name and Address)

WHEREAS, the said Principal and/or Surety has promised to pay for such electric and gas service provided by the Obligee as bills are rendered, and is in default unless payment is made within twenty (20) days thereafter, without the usually required deposit being made by said Principal.

WHEREAS, the said Obligee has agreed to the foregoing on condition that it be indemnified against any loss or account thereof.

NOW, THEREFORE, the condition of the obligation is such that if the Principal and/or Surety shall pay or cause to be paid unto the Obligee, within twenty (20) days of rendering bills, all amounts that may at any time hereafter be due and owing to the Obligee by the Principal for electric and gas service furnished by the Obligee to the Principal at his present location, then this obligation shall be null and void, otherwise to remain in full force and effect.

This Bond is subject to the following terms, limitations and conditions:

1. The term of this bond shall be indefinite commencing _____.
2. The Surety shall have the right to terminate its liability hereunder at any time by giving notice in writing to the Obligee and stating therein the effective date of such termination which date shall not be less than thirty (30) days after receipt of said notice by the Obligee. Such notice shall not limit or terminate this agreement in respect to any indebtedness which arises prior to the effective date of such termination by the Surety. Written notice must be via certified letter, return receipt requested, and mailed to Niagara Mohawk Power Corporation, (Local District Office Address); Attention - Credit Department.
3. It is understood and agreed between the Principal and the Obligee that upon receipt of Surety's thirty-day written notice of cancellation as provided above, the Obligee may demand a deposit from the Principal in the amount of _____ by written notice to Principal at least ten days prior to the termination or expiration of Surety's bond.
4. That no proceeding in law or in equity may be brought under this bond unless the same shall be commenced and process served prior to the expiration of one (1) year from the date of cancellation of this bond.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 252
REVISION: 0
SUPERSEDING REVISION:

IN WITNESS WHEREOF, the Principal and Surety have executed and delivered this bond this
_____ day of _____, 20 _____.

(Seal)

By _____

Surety

By _____

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 253
REVISION: 0
SUPERSEDING REVISION:

NON-RESIDENTIAL CUSTOMER PROMISE TO PAY BILLS UPON RECEIPT

NIAGARA MOHAWK ACCOUNT NUMBER:

NAME OF ACCOUNT:

SERVICE ADDRESS:

SERVICE TELEPHONE:

NAME OF CUSTOMER:

I, _____ BEING RESPONSIBLE FOR PAYMENT OF
NIAGARA MOHAWK SERVICE BILLS AT THE ACCOUNT DESCRIBED ABOVE,
ACKNOWLEDGE THE DUE DATE FOR PAYMENT OF MY SERVICE BILLS AS THE DATE
THE BILL IS RECEIVED, AND THEREFORE, PROMISE TO PAY ALL SERVICE BILLS
IMMEDIATELY UPON RECEIPT.

IN LIEU OF PROVIDING NIAGARA MOHAWK WITH A LAWFULLY REQUIRED
SECURITY DEPOSIT, I HAVE VOLUNTARILY ENTERED INTO THIS PROMISE. I
UNDERSTAND THAT SHOULD I FAIL TO PAY ANY SERVICE BILL UPON RECEIPT,
NIAGARA MOHAWK MAY SEND ME A FINAL TERMINATION NOTICE AT ONCE.

THE UNDERSIGNED COMPANY REPRESENTATIVE HAS FULLY EXPLAINED NIAGARA
MOHAWK'S RIGHTS AND OPTIONS SHOULD I FAIL TO PAY FOR BILLED SERVICE
CHARGES IN ACCORDANCE WITH THE TERMS OF THIS DOCUMENT.

SIGNED: _____ (CUSTOMER)

DATE ___/___/___

SIGNED: _____ (NIAGARA MOHAWK)

TITLE: _____

DATE ___/___/___

PSC NO: 219 GAS
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 254
 REVISION: 0
 SUPERSEDING REVISION:

NIAGARA MOHAWK POWER CORP., 300 ERIE BLVD. W., SYRACUSE, NY 13202
 CUSTOMER INQUIRIES TELEPHONE NUMBER: XXX-XXX-XXXX

RESIDENTIAL DEFERRED PAYMENT AGREEMENT (IF FULL PAYMENT HAS ALREADY BEEN MADE, PLEASE DISREGARD THIS OFFER)	
CUSTOMER NAME	BT DIST PREMISE NO.
NAME OF INDIVIDUAL MAKING AGREEMENT	CONTACT TELEPHONE NO.
SERVICE ADDRESS	DATE AGREEMENT OFFERED

**PAYMENT AGREEMENT RULES AND INFORMATION.
 PLEASE READ THE FOLLOWING CAREFULLY BEFORE YOU SIGN THIS AGREEMENT.**

1. NIAGARA MOHAWK IS REQUIRED OFFER YOU A PAYMENT AGREEMENT THAT YOU ARE ABLE TO PAY.
2. NORMALLY, PAYMENT AGREEMENTS REQUIRE THAT YOU MAKE A DOWNPAYMENT, PAY YOUR CURRENT BILLS ON TIME AND MAKE AN INSTALLMENT PAYMENT EACH MONTH TOWARD YOUR ARREARS BALANCE. IF YOU CAN SHOW THAT YOUR PRESENT FINANCIAL CIRCUMSTANCES WILL NOT ALLOW YOU TO MAKE SUCH PAYMENTS, WE ARE PREPARED (WHERE APPROPRIATE) TO OFFER AGREEMENTS THAT DO NOT REQUIRE A DOWNPAYMENT AND WITH MONTHLY INSTALLMENTS AS LOW AS \$10 ABOVE THE MONTH OF YOUR CURRENT BILL.
3. IF A PERSONAL OR TELEPHONE INTERVIEW TAKES PLACE, WE MAY ASK QUESTIONS REGARDING YOUR INCOME, EXPENSES AND AVAILABLE ASSETS. YOU WOULD BE REQUIRED TO PROVIDE SUCH INFORMATION AND, IF REQUIRED, REASONABLE SUBSTANTIATION THAT THE INFORMATION YOU PROVIDE IS ACCURATE.
4. RECIPIENTS OF PUBLIC ASSISTANCE OR SUPPLEMENTAL SECURITY INCOME (SSI) MAY WISH TO CONSIDER CONTACTING THEIR LOCAL SOCIAL SERVICES OFFICE, AS THEY MAY BE ELIGIBLE FOR UTILITY BILL PAYMENT ASSISTANCE.
5. AFTER REVIEWING THE SPECIFIC TERMS OF THIS AGREEMENT (STATED BELOW) IF YOU FEEL YOU ARE NOT ABLE TO MAKE THE REQUIRED PAYMENTS - DO NOT SIGN THIS AGREEMENT. IF YOU HAVE QUESTIONS OR WISH TO DISCUSS THE TERMS WITH A NIAGARA MOHAWK REPRESENTATIVE, CALL _____.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 255
REVISION: 0
SUPERSEDING REVISION:

RESIDENTIAL DEFERRED PAYMENT AGREEMENT (CONTINUED)

HOW PAYMENTS WILL BE MADE IF YOU ACCEPT THIS AGREEMENT

AS OF ___/___/___, YOU OWE A PREVIOUS BALANCE OF \$_____, ___ AND CURRENT SERVICE CHARGES OF \$_____, ___ FOR A TOTAL AMOUNT OWING OF \$_____, ____.

A DOWNPAYMENT OF \$_____, ___ MUST BE MAKE, LEAVING A BALANCE OF \$_____, ____.

THIS BALANCE IS TO BE PAID IN _____ MONTHLY INSTALLMENTS OF \$_____, ___, DUE BY THE _____ DAY OF EACH MONTH. IN ADDITION, ALL BILLS YOU WILL BE RECEIVING FOR CURRENT SERVICE CHARGES DURING THE TIME THIS AGREEMENT IS IN EFFECT, MUST BE PAID BY THE DUE DATES SHOWN ON THE BILLS.

THIS AGREEMENT WILL NOT GO INTO EFFECT UNLESS YOU SIGN AND DATE ONE COPY OF THE AGREEMENT AND RETURN IT TO NIAGARA MOHAWK. THE SIGNED AGREEMENT AND DOWNPAYMENT SPECIFIED (IF ANY) MUST BE RECEIVED BY ___/___/___ IN ORDER TO PREVENT TERMINATION OF SERVICE.

***** PLEASE READ OTHER SIDE *****

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 256
REVISION: 0
SUPERSEDING REVISION:

RESIDENTIAL DEFERRED PAYMENT AGREEMENT (CONTINUED)

WHAT HAPPENS IF YOU DO NOT MAKE THE PAYMENTS

IF YOU DO NOT MAKE ANY PAYMENT REQUIRED BY THE TERMS OF THE AGREEMENT, WE MAY INSIST UPON FULL PAYMENT OF ALL MONIES OWED TO US AND TAKE STEPS TO SHUT-OFF SERVICE, UNLESS, THE REASON FOR NOT MAKING PAYMENT IS THAT YOUR FINANCIAL CIRCUMSTANCES (INCOME AND EXPENSES) HAVE CHANGED SIGNIFICANTLY DUE TO THE CONDITIONS YOU COULD NOT CONTROL.

WE WILL GIVE YOU A NEW AGREEMENT IF YOU TELL US EXACTLY WHAT HAS TAKEN PLACE AND CAN SHOW THAT THE REASONS FOR NOT MAKING PAYMENT WERE TRULY DUE TO CONDITIONS BEYOND YOUR CONTROL.

ASSISTANCE

IF YOU WISH TO SPEAK WITH A NIAGARA MOHAWK REPRESENTATIVE, PLEASE CALL US AT THE TELEPHONE NUMBER SHOWN ON THE OTHER SIDE OF THIS AGREEMENT. IF FURTHER HELP IS NEEDED, YOU MAY CALL THE NEW YORK STATE PUBLIC SERVICE COMMISSION AT 1-800-342-3377, 8:30 A.M. TO 4:30 P.M., MONDAY THROUGH FRIDAY.

BUDGET BILLING OPTION

IF YOU ARE NOT ALREADY ENROLLED IN OUR BUDGET BILLING (HELP PLAN), AND WISH TO ENROLL, PLACE A CHECK MARK IN THE BOX BELOW AND WE WILL START YOU ON THE PLAN. THE BUDGET BILLING PLAN ALLOWS YOU TO PAY THE TOTAL AMOUNT OF YOUR ANNUAL SERVICE CHARGES IN TWELVE (12) NEARLY EQUAL MONTHLY PAYMENTS. THIS PLAN PERTAINS ONLY TO NEW BILLS YOU WILL BE RECEIVING AND DOES NOT CHANGE THE SPECIFIC TERMS OF THE PAYMENT AGREEMENT.

YES, I WOULD LIKE TO BE PUT ON THE BUDGET BILLING PLAN.

ACCEPTANCE OF AGREEMENT

COMPANY ACCEPTANCE: BY THIS STATEMENT, NIAGARA MOHAWK VERIFIES THAT SPECIFIC TERMS OFFERED ON THIS DOCUMENT ARE AN ACCEPTABLE AGREEMENT FOR PAYMENT OF MONIES OWING.

CUSTOMER ACCEPTANCE: TO INDICATE ACCEPTANCE; SIGN, DATE AND PRINT NAME.

I HAVE READ, UNDERSTAND AND ACCEPT THE TERMS OF THIS AGREEMENT.

SIGNATURE: _____ DATE: ___/___/___

PRINT NAME: _____

BY SIGNING AND RETURNING ONE COPY, YOU WILL BE AGREEING TO MAKE PAYMENTS ACCORDING TO THE TERMS OF THIS AGREEMENT, IN RETURN, NIAGARA MOHAWK WILL AGREE NOT TO SHUT-OFF YOUR SERVICE FOR NON-PAYMENT, FOR AS LONG AS YOU CONTINUE TO HONOR THE TERMS OF THE AGREEMENT.

IF YOU DO NOT SIGN AND RETURN THE AGREEMENT (OR CONTACT US TO DISCUSS ALTERNATIVE TERMS) AND A FINAL TERMINATION NOTICE IS IN EFFECT, WE WILL TAKE NECESSARY STEPS TO TERMINATE YOUR SERVICE.

Issued By: William F. Edwards, President, Syracuse, New York

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 257
REVISION: 0
SUPERSEDING REVISION:

RESIDENTIAL DEFERRED PAYMENT AGREEMENT (CONTINUED)

COMPANY REP: TO BE COMPLETED WHEN AGREEMENT IS MADE DURING PERSONAL CONTACT
(OFFICE, FIELD OR TELEPHONE) WITH THE CUSTOMER.
COMPANY REPS NAME: _____

AGREEMENT TAKEN IN: _____ OFFICE _____ FIELD _____ TELEPHONE CONTACT

TERMS: _____ STANDARD _____ LONGER _____ SHORTER

PSC NO: 219 GAS
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: 08/01/03

LEAF: 258
REVISION: 0
SUPERSEDING REVISION:

**CERTIFICATE OF COMPLIANCE
DWELLING CONVERTING TO GAS SPACE HEAT**

One of the following certificates shall be completed and signed:

1. I _____ am aware that the Minimum Insulation Standards for Dwellings
(Owner)
Converting to Gas Space Heat requires my house to have storm doors, storm windows and at least R-19 (usually six inches) roof insulation. I certify that my building at _____
_____ meets those requirements, or that I have obtained a waiver; and I understand
(Location)
that should my building be found not in compliance, a 25 percent surcharge on my utility bill may be imposed or the gas service may be discontinued.

The undersigned attests that all statements and representations contained in this certificate are true and accurate.

Date Signature of Owner

Address

Date Received Signature of NMPC Representative

2. I have inspected the building at _____ owned by
(Location)
_____ and certify that it meets the requirements of the Minimum
(Owner)
Insulation Standards for Dwelling Converting to Gas Space Heat.

The undersigned certifies that a properly executed copy of this certificate will be delivered to the owner and further attests that all statements and representations contained in this certificate are true and accurate.

Date Signature of Contractor or NMPC Representative

Date Received Signature of NMPC Representative



SCHEDULED GAS RATES



TABLE OF CONTENTS

GAS

Item	Schedule	Sheet No.
Gas Cost Recovery Mechanism and Refund Provision	GCRM-1	21.00
GCRM Change Notice	GIT-1	21.10
Residential Service	GG-1	22.00
General Service Small Commercial Less than 5,000 therms	GC-1F	22.10
Small Commercial & Industrial 5,000 - 20,000 therms	GC-2F	22.20
Medium Commercial & Industrial 20,000 – 200,000 therms	GC-3F/I	22.2711
Medium Commercial & Industrial 200,000 – 1.3 Million therms	GC-4F/I	22.2721
Large Commercial & Industrial Over 1.3 Million – 7.5 Million therms	GC-5F/I	22.2731
Super Large Commercial & Industrial Over 7.5 Million therms	GC-6F/I	22.2741
Contract Demand Local Distribution Service (CLOSED)	CD-1	22.40
Transportation Service Rider/W Optional FT-1 Nominated Back-up	T-1	22.50
Remote Metering Cellular Modem Rider	CMP-1	22.60
Renewable Natural Gas Service (RNG) Pilot	RG-1	22.80
Seasonal Natural Gas Service (Agricultural)	S-1	23.30
Small Generation Service	GN-9	23.35
Large Generation Service	GN-10	23.40
Commodity Balancing Service Rider	CBS-1	23.60
ANR Hourly OFO Rider	OFO-1	23.70
Daily Balancing Service Rider	DBS-1	23.80
Contracted Service Rate	CS-1	23.90



TABLE OF CONTENTS

GAS RATES

Item	Schedule	Sheet No.
<u>Rules and Regulations</u>		
Measurement of Gas, Point of Delivery Delivery Pressure of Gas	Gr-1	24.00
Definition of Space Heating Customer	Gr-2	24.10
Periodic Inspection of Gas Appliances	Gr-3	24.11
Residential Space Heating Conservation Standards	Gr-4	24.12
Commercial and Industrial Space Heating Conservation Standards	Gr-5	24.16
Gas Extension Rules	Gr-6	24.20
Priorities and Restrictions for the Optimum Use of Natural Gas	Gr-8	24.40
<u>General Rules & Regulations Applicable to Electric & Gas Service</u>		40.00
<u>Communities Served (Water Svc No Longer Provided)</u>		1.10



GAS COST RECOVERY MECHANISM AND REFUND PROVISION

GAS

This rider is applicable to all rate schedules for natural gas service.

The effective Gas Cost Recovery Mechanism (GCRM) is the modified one-for-one mechanism as put forth in PSCW Order, 05-GI-106, dated November 5, 1996 and implemented under the Commission's supplemental order in Docket 6680-UR-115. Under this mechanism, gas costs which exceed an established monthly benchmark commodity price of gas must be approved for recovery by the PSCW. The monthly benchmark price adjusts the Base Cost of Gas rates and shall be filed with the Commission by and be effective on the fifth day of each month.

1. Base Cost of Gas

The Base Costs of Gas consists of the Base Commodity Rate and interstate pipeline demand charges that include the Base Maximum Daily Delivery Rate and the Base Annual Demand Rate. The currently effective base gas rates are established by Commission decision and are as follows:

	<u>Firm Supply</u>	<u>Interruptible Supply</u>	
Maximum Daily Delivery (firm supply only)	\$0.1185	NA	
Annual Demand	0.0531	\$0.0531	(R)
Commodity	<u>0.2547</u>	<u>\$0.2547</u>	(R)
Total Base Gas Rate	<u>\$0.4263</u>	<u>\$0.3078</u>	(R)

2. GCRM Components

- a. Gas Year: The GCRM gas year shall be the twelve months November through October.
- b. The Gas Supply Market Adjustment as shown on Sheet No. 21.10 includes the difference between the monthly calculated pipeline and benchmark commodity prices and the Base Cost of Gas rates and applicable balancing account amortizations.
- c. The calculation of the Benchmark Commodity Rate will be based on the forecast sales and delivery point and storage weightings for the gas year as contained in the Company's Annual Gas Supply Plan (AGSP). The AGSP shall be filed with the Commission by July first of each year, and the most recent PSCW approved plan shall apply.
- d. First of the month (FOM) index prices as reported in *Inside FERC* shall be used in the development of the monthly Benchmark Commodity Price or other comparable publication. Delivery points shall be those listed in the Company's AGSP. Specifically, these are Northern Natural at Ventura, Northern Natural at Demarc, ANR Southwest, ANR Southeast, and Chicago City Gates that shall represent all ANR Chicago market area receipts or other comparable delivery point (R)
(R)
(R)
- e. All gas rate components shall be priced independently and shall be taken to the nearest \$0.0001 per therm. For billing purposes, rates prorated between GCRM months shall be taken to the nearest \$0.00001 per therm



GAS COST RECOVERY MECHANISM AND REFUND PROVISION

GAS

1) Benchmark Commodity Price

The calculation of the Benchmark Commodity Price establishes the monthly adjustment to the Commodity Base Cost of Gas that is included as a component of the monthly Gas Supply Market Adjustment.

- i. The Benchmark Commodity Price shall be determined based on whether the month is a storage-injection month or a storage-withdrawal month. The months April through October are storage-injection months. The months November through March are storage-withdrawal months. Contract gas shall be included in the Benchmark Commodity Rate for both storage-injection and storage-withdrawal months as described in section iii below.

During storage-injection months (April through October), the benchmark commodity rate shall include the cost of flowing gas.

During storage-withdrawal months (November through March), the benchmark commodity rate shall include the weighted average cost of flowing gas and storage gas.

The monthly allocation of flowing, storage, and contract gas shall be set forth in the Company's AGSP.

- ii. Cost of Flowing Gas: The cost of flowing gas shall be based on the supply plan method, whereby the FOM index prices shall be applied to the regional capacity rights shown in the Company's AGSP. Capacity rights from the region with the lowest delivered gas cost will be fully utilized before the next lowest cost region is accessed; this sequencing of gas cost rate will continue until the AGSP's monthly approved purchase requirements are met to determine an overall weighted average rate per therm. The applicable pipeline variable and compressor fuel charges shall also be applied to each indexed delivery point price. In the winter months, the sum of the calculated index price and the variable fuel charges shall be grossed-up by the winter gas supply adder.
- iii. Contract Gas: Contract gas may be included in the calculation of the benchmark commodity rate up to the level included in the Company's Commission approved risk management plan. Contract gas amounts change on a calendar year basis and shall be updated annually. Contract gas purchases will be weighted as a component of total monthly gas purchases.
- iv. Cost of Storage Gas: A single per unit cost of storage gas shall be calculated that will not vary by month during the withdrawal months and shall be based on a storage weighted average cost of gas (WACOG). The storage WACOG shall be based on the weighted average cost of flowing gas for each injection month (April – October) and shall also include the applicable costs of variable pipeline transportation costs, compressor fuel, storage injection and withdrawal fuel, and any other cost applicable to the storage injection. The storage WACOG shall be set for the gas year at the October weighted average price.

- v. Hedge Settlements: During the winter months, November through March, monthly hedge settlement amounts shall be included as a component of the

(R)

(R)



GAS COST RECOVERY MECHANISM AND REFUND PROVISION

GAS

benchmark commodity rate provided that such hedging agreements have been approved by the Commission and are for the purpose of protecting customers from natural gas price volatility.

- vi. Winter gas supply adder: During the heating season, November through March, the benchmark commodity rate shall be grossed-up by a reliability premium of 1.1 percent.
- vii. Commodity Balancing Account Cost True-up: Each filing month, the Company shall reconcile commodity cost recoveries with actual costs from two-months prior. If actual costs are over the commodity benchmark, the Company shall file an explanation with the PSCW. Commodity costs over benchmark must be approved for recovery by the Commission. Any over/or under recoveries of these gas commodity costs shall be amortized in rates on a going forward basis.

2) Pipeline Demand Rates

The pipeline demand rates recover the cost of interstate pipeline charges and adjust the base tariff pipeline demand rates which are the Maximum Daily Delivery (MDD) and Annual Demand (AD) charges. The total pipeline demand costs are allocated for recovery in rates as 61 percent MDD and 39 percent AD.

- i. Pipeline demand rates shall be the quotient of the total annual interstate pipeline costs and the Company annual AGSP forecast sales for the gas year.
- ii. The annual interstate pipeline costs shall be reduced by opportunity sales and/or capacity releases and the estimated Daily Balancing Revenues from Transportation service. The annual average costs from the most recent two-year period prior to the gas year shall serve as estimates of these costs.
- iii. The annual interstate pipeline capacity costs will be revised monthly as necessary to reflect the currently effective FERC or any discounted contracted rates for storage, firm, and interruptible interstate pipeline transportation.
- iv. Pipeline Cost Balancing Account True-ups: The forecast monthly pipeline costs shall be reconciled to booked monthly pipeline costs from two-months prior. Any over/under-recoveries of these costs shall be rolled-forward and amortized in GCRM rates. True-up and recoveries of the MDD and AD costs shall be maintained in separate balancing accounts and shall be trued-up to actual annual interstate pipeline costs following the end of the gas year.



GAS COST RECOVERY MECHANISM AND REFUND PROVISION

GAS

3) Lost and Unaccounted For Gas

R

The Lost and Unaccounted for Gas Factor (LAUF) is set at 1.16 percent per the Commission's final order in Docket 6680-UR-117. The factor shall be applied to the calculated monthly Commodity Rate to determine the LAUF rate. The calculated benchmark commodity shall be grossed-up to include lost-and-unaccounted-for-gas.

4) Flow Through Costs

FERC jurisdictional charges shall be subject to full recovery and balancing account treatment. These charges include the Annual Charge Adjustment (ACA) and Carlton Costs. Transportation customers pay the ACA directly to their serving pipeline and are therefore exempt from this charge by the Company.

2. Gas Supply Acquisition Rate

Customers obtaining gas supply from the Company shall pay a non-adjustable Gas Supply Acquisition Rate (GSAR) for each therm taken. The costs comprising the GSAR are carrying cost of gas in storage, the forecasted Gross Receipts Taxes related to gas supply sales revenues, and forecasted gas purchasing personnel expenses over into the next year's GCRM reconciliation.

3. Refund Provision

a. General Refund Provision

Natural gas cost-related refunds received by the company from its wholesale suppliers resulting from actions taken by the Federal Energy Regulatory Commission (wholesale refunds) shall be refunded to customers by means of on-going rate credits. The company shall manage the refund account balance to return material outstanding balances to customers as soon as practicable, while allowing for considerations such as those listed in sections ii. and iii. below. An outstanding refund account balance sufficient to decrease the gas rate paid by the average residential customer by \$0.0010 per therm shall be considered material for these purposes. The company shall devise a crediting plan for prospectively returning the account balance to the customers. The company shall inform the Commission of the crediting plan at no later date than the date the company files the monthly Gas Cost Recovery Mechanism filing for the first month during which related credits are made. The company shall accrue interest each month on any accrued refund balance pursuant to section D.

b. Distribution of Refund Credits to Services Provided

The following factors shall be considered in determining how refund credits shall be distributed to the various services provided:



GAS COST RECOVERY MECHANISM AND REFUND PROVISION

GAS

- i. Wholesale refunds shall be distributed to services eligible to receive refunds on the same basis by which related costs were collected.
- ii. To the extent practicable, refund distributions for services provided shall recognize the payment patterns authorized for those services provided over a recent full one-year period.
- iii. The company shall provide an amortization schedule which appropriately distributes the refund credits for the service provided when executing multiple month refund plans.

M

c. Distribution of Refund Credits to Individual Customers

The following factors shall be considered in determining how refund credits shall be distributed to individual customers:

- i. Prospective multi-month refund credits shall be based on an amortization schedule and a resulting pattern of monthly refund credits which appropriately distributes the credit by type of service, and not by individual customer. Therefore, if the customer changes to another type of service during the refund credit period, the customer will then prospectively receive and the refund credit level applicable to the new type of service. New active customers will receive the refund credit level applicable to the customer's type of service.
- ii. The Company shall provide notice of the refund to customers by means of a billing message, identified credit or insert.

d. Interest

The Company shall accrue interest each month on the unreturned refund balance consistent with the interest rate used to calculate interest for customer deposits.

e. Offsets of Refund Proceeds

The Company may file for approval from the Commission to offset refund proceeds with escrowed or other expenses related to Federal-level regulatory intervention matters.

f. Lump-Sum and Other Types of Refunds

Notwithstanding the tariff provisions requiring prospective crediting of wholesale refunds, the Company may file for approval from the Commission to execute refunds by means of lump-sum payments or other means if the circumstances of the wholesale refund warrant doing so.

M



GAS COST RECOVERY MECHANISM AND REFUND PROVISION

GAS

-
This page intentionally left blank-

Volume III, 359th Revision, Sheet No. 21.10
Amendment Schedule GIT-1

Wisconsin Power and Light

RATE SHEET							GAS	
GCRM CHANGE NOTICE								
CHANGE NOTICE NO. 360								
(Filed pursuant to the provisions of Sheet No. 21.00)								
Volumetric Rates [1]								
Distribution Charges			Pipeline and Gas Supply Charges					
Daily Customer Charge	Distribution Service Rate	Gas Supply Acqui. Rate (GSAR)	Base Gas Rate [2]	Base Gas Rate plus GSAR	Gas Supply Market Adj. [3]	Flow-through Rate [4]	Currently Effective Rate	
(a)	(b)	(c)	(d)	(e) (c + d)	(f)	(g)	(h) (b + e + f + g)	
Firm System Supply								
Residential (Gg-1)	\$0.4113	\$0.2558	\$0.0128	\$0.4263	\$0.4391	\$0.2834	\$0.0001	\$0.9784
C & I (Gc-1)	\$0.4741	\$0.2249	\$0.0125	\$0.4263	\$0.4388	\$0.2834	\$0.0001	\$0.9472
C & I (Gc-2)	\$1.8902	\$0.1169	\$0.0125	\$0.4263	\$0.4388	\$0.2834	\$0.0001	\$0.8392
C & I (Gc-3)	\$3.0000	\$0.1044	\$0.0116	\$0.4263	\$0.4379	\$0.2834	\$0.0001	\$0.8258
C & I (Gc-4)	\$21.3500	\$0.0694	\$0.0116	\$0.4263	\$0.4379	\$0.2834	\$0.0001	\$0.7908
C & I (Gc-5)	\$36.2500	\$0.0493	\$0.0116	\$0.4263	\$0.4379	\$0.2834	\$0.0001	\$0.7707
C & I (Gc-6)	\$41.8820	\$0.0367	\$0.0116	\$0.4263	\$0.4379	\$0.2834	\$0.0001	\$0.7581
Interruptible System Supply								
C & I (Gc-3)	\$3.0000	\$0.1044	\$0.0112	\$0.3078	\$0.3190	\$0.2899	\$0.0001	\$0.7134
C & I (Gc-4)	\$21.3500	\$0.0694	\$0.0112	\$0.3078	\$0.3190	\$0.2899	\$0.0001	\$0.6784
C & I (Gc-5)	\$36.2500	\$0.0493	\$0.0112	\$0.3078	\$0.3190	\$0.2899	\$0.0001	\$0.6583
C & I (Gc-6)	\$41.8820	\$0.0367	\$0.0112	\$0.3078	\$0.3190	\$0.2899	\$0.0001	\$0.6457
Seasonal Ag (S-1)	\$1.8902							
1st 1,000 Therms		\$0.1449	\$0.0121	\$0.3078	\$0.3199	\$0.2899	\$0.0001	\$0.7548
Next 2,000 Therms [5]		\$0.1449	\$0.0121	\$0.3078	\$0.3199	\$0.2899	\$0.0001	\$0.7548
Over 3,000 Therms [5]		\$0.1449	\$0.0121	\$0.3078	\$0.3199	\$0.2899	\$0.0001	\$0.7548
Average Demand Charge [6]	\$	0.1364						

[1] All rates are per therm except the Daily Customer Charge

[2] The Base Gas Rate is the sum of the Base Maximum Daily Delivery Rate, the Base Annual Demand Rate, and the Base Commodity Rate as established in the Commission's Order in Docket No. 6680-UR-120. These rates are as follows:

Base Max. Daily Delivery Rate : \$ 0.1185
 Base Annual Demand Rate : \$ 0.0531
 Base Commodity Rate : \$ 0.2547

[3] The Lost and Unaccounted For gas rate embedded in the Gas Supply Market Adjustment is \$0.0061

[4] FERC Annual Charge Adjustment and Northern Natural, Carlton

[5] Distribution rates for schedule S-1 are equal for all tiers of usage for the On-season period of January 5 through May 4

[6] Early transfer rate from system firm to T-1 gas service; rate per therm

Issued: Jan. 5, 2022
PSCW Authorization:

Effective: Jan. 5, 2022

Wisconsin Power and Light

RATE SHEET

GAS

GCRM CHANGE NOTICE

	Daily		Volumetric Rates [1]		
	Customer Charge	Administration Charge	Distribution Service Rate	Lost and Unaccounted for Gas	Flow-through Rate [2]
Transportation					
Local Delivery (T-1)					
C & I (Gc-1)	\$0.4741	\$2.2700	\$0.2249	\$0.0061	\$0.0000
C & I (Gc-2)	\$1.8902	\$2.2700	\$0.1169	\$0.0061	\$0.0000
C & I (Gc-3)	\$3.0000	\$2.2700	\$0.1044	\$0.0061	\$0.0000
C & I (Gc-4)	\$21.3500	\$2.2700	\$0.0694	\$0.0061	\$0.0000
C & I (Gc-5)	\$36.2500	\$2.2700	\$0.0493	\$0.0061	\$0.0000
C & I (Gc-6)	\$41.8820	\$2.2700	\$0.0367	\$0.0061	\$0.0000
Generation (Gn-9)	\$36.1598	\$2.2700	\$0.1076	\$0.0061	\$0.0000
Generation (Gn-10)	\$145.5650	\$2.2700	\$0.0054	NA	\$0.0000
Seasonal (S-1)	\$1.8902	\$2.2700	[4]	\$0.0061	\$0.0000

Partial Requirements (FT-1) [1]

Nominated Maximum Daily Delivery Rate	\$0.4620
Annual Demand Rate	\$0.0532

T1/FT-1 Commodity Balancing Service (CBS-1)

Prior Month Purchase Reference Price [1]:	
Overtake: *	\$0.4265
Undertake:	\$0.3737

* Appropriate Gas Supply Acquisition Rate

T1/FT-1 Daily Balancing Service

Block Balancing Service [1]	
>= 75% + < 100%	\$0.0209
> 100% + <= 125%	\$0.0209
<75% or >125%	\$0.1000 [3]

Effective GCRM Commodity and Pipeline Rates [1]

Benchmark commodity rate	\$0.5281
Maximum Daily Demand	\$0.1191
Annual Demand Rate	\$0.0532

GMP-1 Remote Metering

Remote Metering Chrg./ Day	\$ 1.24
----------------------------	---------

[1] All rates are per therm except for daily customer and administration charge
 [2] NA
 [3] Per 6680-UR-120, dated December 22, 2016
 [4] Distribution Service Rates are the same as those shown for Seasonal Ag, S-1, on Sheet No. 21.10.

Issued: Jan. 5, 2022
PSCW Authorization:

Effective: Jan. 5, 2022



Volume III, First Revision Sheet No. 21.12
Amendment 909, Schedule Tax-1

Wisconsin Power and Light

GAS

This page reserved for future use

Issued: 12/21/2018

Effective: 01/01/2019

PSCW Authorization: Commission Order, docket 6680-UR-121 Dated: 12/20/2018



NATURAL GAS GG-1 Residential Service

8. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8.

(R)
|
(R)

9. Special Provisions for Noncontinuous Use

Service under this schedule contemplates continuous month to month use. Any customer who has service discontinued and then turned back on within 12 months of the date service was discontinued shall pay a reconnection charge of \$30.00 during business hours or \$70.00 during non-business hours. Of these customers, those who discontinue service for reasons other than nonpayment of bill will also pay the Minimum Monthly Bill for each month the service was discontinued.

No charge shall be made for the transfer of an account to a new owner of the premises, made without disconnection and reconnection of service.



NATURAL GAS GC-1F General Service, Small Commercial—Less than 5,000 therms

1. Effective In

All areas served with natural gas by the Company.

2. Availability

a. This schedule is available to commercial or industrial customers consistent with the Company's Rules and Regulations.

b. This schedule is available to any commercial or industrial customer with usage less than 5,000 therms, including transportation quantities.

An annual review will occur in April. If the 12-month usage of the customer is 5,500 therms or greater, the customer shall be transferred to the GC-2F schedule. The customer shall remain on the assigned schedule until the following annual review.

c. A customer returning from the Transportation Rider with less than 12 months of service on rider shall be subject to the Maximum Daily Delivery charges avoided during service on the Transport Rider. The Company reserves the right to waive this cost with commission approval.

3. Rate

a.	Customer Charge	\$0.4741 per day		
b.	Distribution Service Rate		(Per Therm)	
			\$0.2249	(R)
c.	<u>Pipeline Charges</u>			
	i. Base Maximum Daily Delivery Rate [1]		0.1185	(R)
	ii. Base Annual Demand Rate		0.0531	(R)
d.	<u>Gas Supply</u>			
	i. Base Commodity Rate		0.2547	(R)
	ii. Gas Supply Acquisition Rate		0.0125	(R)
e.	Applicable Gas Industry Transition Charges and Lost & Unaccounted for Gas Rate			(See Sheet No. 21.10)

[1] Maximum Daily Delivery Rate effective Nov. 5 – Apr. 4.

4. Adjustment to Base Rates for Cost of Purchased Gas

The base rates under this schedule are subject to adjustment, as defined in the GCRM. See Sheet No. 21.10.



NATURAL GAS GC-1F General Service, Small Commercial—Less than 5,000 therms (R)

5. Minimum Monthly Bill

The Customer Charge per day for the billing period.

6. Kind of Gas

Natural gas as received from pipelines.

7. Conditions

Service under this schedule is not available for resale.

The customer shall make written application to the Company before installing or connecting gas-fired equipment for space heating.

8. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8.

9. Special Provisions for Noncontinuous Use

Service under this schedule contemplates continuous month to month use. Any customer who has service discontinued and then turned back on within 12 months of the date service was discontinued shall pay a reconnection charge of \$30.00 during business hours or \$70.00 during non-business hours. Of these customers, those who discontinue service for reasons other than nonpayment of bill will also pay the Minimum Monthly Bill for each month the service was discontinued.

No charge shall be made for the transfer of an account to a new owner of the premises, made without disconnection and reconnection of service.

10. Cost of Facilities

The Company may require, at its discretion, the installation and operation of equipment and other facilities to read remotely the customer's meter(s). Installation and operation shall include access to electric power, telephone lines or data transmission lines and customer property or other customer equipment when it is necessary to make the remote meter reading operational. The customer agrees to allow the Company to install and operate such equipment and the customer further agrees to pay the one-time equipment and installation charge for such equipment. In addition, costs, if any, of providing electric power, telephone, or data transmission line service shall be paid by the customer.



NATURAL GAS GC-F1 General Service, Small Commercial—Less than 5,000 therms (R)

11. Transfers Between System and Transportation Service

A customer may apply to transfer between the company's system or transport rate schedules on November 1 of any year by providing the company with written notice 12 months prior to the requested transfer. Approval of the requested transfer shall be contingent upon the Company's ability to adequately adjust contractual commitments with its suppliers in order to maintain its planned reserve capacity. Transfers between services shall be on a first-come first-served basis.

The customer may transfer upon shorter notice if:

- (1) the transfer causes no incremental increase in the cost per therm of fixed gas costs for firm system supply customers, or
- (2) the customer agrees to pay all fixed gas costs in excess of the limitation in option 1.



NATURAL GAS GC-2F Small Commercial & Industrial—5,000 to 20,000 therms GAS

1. Effective In

All areas served with natural gas by the company.

2. Availability

- a. This schedule is available to commercial or industrial customers consistent with the company's Rules and Regulations.
- b. This schedule is available to any commercial or industrial customer whose annual usage is 5,000 or more therms, but less than 20,000 therms, including transportation quantities.

An annual review will occur in April. If the 12-month usage of the customer falls below 4,500 therms, the customer shall be transferred to the Gc-1F schedule. If the 12-month usage of the customer is 22,000 therms or greater, the customer shall be transferred to the Gc-3F/I schedule. The customer shall remain on the assigned schedule until the following annual review.

- c. A customer returning from the Transportation Rider with less than 12 months of service on this rider shall be subject to the Maximum Daily Delivery charges avoided during service under the Transport Rider. The company reserves the right to waive this cost with Commission approval.

3. Rates

a.	Customer Charge	\$1.8902 per day		
b.	Distribution Service Rate		<u>\$/Therm</u> \$0.1169	(R)
c.	<u>Pipeline Charges</u>			
	i. Base Maximum Daily Delivery Rate [1]		0.1185	(R)
	ii. Base Annual Demand Rate		0.0531	(R)
d.	<u>Gas Supply Rates</u>			
	i. Base Commodity Rate		0.2547	(R)
	ii. Gas Supply Acquisition Rate		0.0125	(R)
e.	Applicable Gas Industry Transition Charges and Lost & Unaccounted for Gas Rate			(See Sheet No. 21.10)

[1] Base Maximum Daily Delivery Rate effective Nov. 4 – Apr. 5

4. Adjustment to Base Rates for Cost of Purchased Gas

The base rates under this schedule are subject to adjustment, as defined in the GCRM. See Sheet No. 21.10.



NATURAL GAS GC-2F Small Commercial & Industrial—5,000 to 20,000 therms (R)

5. Minimum Bill

The Customer Charge per day for the billing period.

6. Kind of Gas

Natural gas as received from pipelines.

7. Conditions

Service under this schedule is not available for resale.

The customer shall make written application to the utility before installing or connecting gas-fired equipment for space heating.

8. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8.

9. Special Provisions for Noncontinuous Use

Service under this schedule contemplates continuous month to month use. Any customer who has service discontinued and then turned back on within 12 months of the date service was discontinued shall pay a reconnection charge of \$30.00 during business hours or \$70.00 during non-business hours. Customers who discontinue service for reasons other than nonpayment of bill will also pay the Minimum Bill for each billing period in which service was discontinued.

No charge shall be made for transfer of an account to a new owner of the premises, made without disconnection and reconnection of service.

10. Cost of Facilities

The Company may require, at its discretion, the installation and operation of equipment and other facilities to read remotely the customer's meter(s). Installation and operation shall include access to electric power, telephone lines or data transmission lines and customer property or other customer equipment when it is necessary to make the remote meter reading operational. The customer agrees to allow the Company to install and operate such equipment and the customer further agrees to pay the one-time equipment and installation charge for such equipment. In addition, costs, if any, of providing electric power, telephone, or data transmission line service shall be paid by the customer.



NATURAL GAS GC-2F Small Commercial & Industrial—5,000 to 20,000 therms (R)

11. Transfer Between System and Transportation Service

A customer may apply to transfer between the company's system and transport rate schedules on November 1 of any year by providing the company with written notice 12 months prior to the requested transfer. Approval of the requested transfer shall be contingent upon the Company's ability to adequately adjust contractual commitments with its suppliers in order to maintain its planned reserve capacity. Transfers between services shall be on a first-come first-served basis.

The customer may transfer upon shorter notice if:

- (1) the transfer causes no incremental increase in the cost per therm of fixed gas costs for firm system supply customers, or
- (2) the customer agrees to pay all fixed gas costs in excess of the limitation in option 1.



NATURAL GAS GC-3 F/I Medium Commercial & Industrial—Over 20,000 to 200,000 therms

1. Effective In

All areas served with natural gas by the company.

2. Availability

- a. The schedule is available to commercial or industrial customers consistent with the company's Rules and Regulations.
- b. This schedule is available to any commercial or industrial customer whose annual usage is more than 20,000 but less than 200,000 therms.

An annual review will occur in April. If the 12-month usage of the customer falls below 18,000 therms, the customer shall be transferred to the Gc-2F schedule and will remain on the assigned schedule until the next annual review. If the 12-month usage of the customer is 220,000 therms or greater, the customer shall be transferred to the Gc-4F/I schedule and will remain on the assigned schedule until the next annual review.

- c. A customer returning from the Transportation Rider with less than 12 months of service on the rider shall be subject to the Maximum Daily Demand charges avoided during service on the Transportation Rider. The company reserves the right to waive this cost with Commission approval.
- d. Availability of this rate is subject to the company's ability to obtain sufficient capacity and commodity.

3. Gas Supply Option

- a. Firm or Interruptible

Customers purchasing gas from the company under this rate schedule may choose firm or interruptible gas supply consistent with the company's rules and regulations. Service under interruptible supply will be constrained or curtailed before service provided under firm supply. Customers that elect interruptible supply service must enter into a contract and agree to interrupt use of gas to the extent requested by the company.

- b. Transportation Rider

Customers may purchase gas from a third party supplier. See Schedule T-1, Transportation Service Rider of this gas tariff.



NATURAL GAS GC-3 F/I Medium Commercial & Industrial—Over 20,000 to 200,000 therms

4. Rates

a.	Customer Charge	\$3.00 per day		
			<u>Supply</u>	
			<u>Firm</u>	<u>Interruptible</u>
			(Rates per therm)	
b.	Distribution Service Rate		\$0.1044	\$0.1044 (R)
c.	<u>Pipeline Charges</u>			
	i. Base Maximum Daily Delivery Rate [1]		0.1185	NA (R)
	ii. Base Annual Demand Rate		0.0531	0.0531 (R)
d.	<u>Gas Supply Rates</u>			
	i. Base Commodity Rate		0.2547	0.2547 (R)
	ii. Gas Supply Acquisition Rate		0.0116	0.0112 (R)
e.	Applicable Gas Industry Transition Charges and Lost & Unaccounted for Gas Rate		(See Sheet No. 21.10)	

[1] Maximum Daily Delivery Rate effective Nov. 4 – Apr. 5

5. Adjustment to Base Rates for Cost of Purchased Gas

The base rates under this schedule are subject to adjustment, as defined in the GCRM. See Sheet No. 21.10.

6. Minimum Monthly Bill

The Customer Charge per day for the billing period.

7. Kind of Gas

Natural gas as received from the pipeline.

8. Conditions

Service under this schedule is not available for resale.

The customer shall make written application to the company before installing or connecting gas-fired equipment.

9. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8.5.



NATURAL GAS GC-3 F/I Medium Commercial & Industrial—Over 20,000 to 200,000 therms

10. Special Provisions for Noncontinuous Use

Service under this schedule contemplates continuous month to month use. Any customer who has service discontinued and then turned back on within 12 months of the date service was discontinued shall pay a reconnection charge of \$30.00 during business hours or \$70.00 during non-business hours. Those who discontinue service for reasons other than nonpayment of bill will also pay the Minimum Monthly Bill for each month the service was discontinued.

No charge shall be made for the transfer of an account to a new owner of the premise, made without disconnection and reconnection of service.

11. Interruptible Gas Supply

The company contracts with the pipeline for a lower level priority of service when customers elect interruptible supply. Under the interruptible supply option, customers may be subject to short-term restriction of the delivery of natural gas. Interruptions may be used by the company to avoid pipeline penalty charges or other restrictive pipeline tariff provisions. Interruptions may also be used to restrict supply during an emergency.

a. Failure to Interrupt

Customers that fail to interrupt when requested may be subject to the following measures enacted by the company; 1) the company may physically valve-off the customer to maintain system integrity and enhance public safety and the applicable reconnection fees as shown in Gr-8.5 would apply, and 2) such customers will be subject to unauthorized use penalties as defined in Gr-8.5. In the case of a failed interruption, the customer shall be moved to the appropriate firm service schedule if the customer is unable to demonstrate the ability to successfully interrupt service for a minimum of four consecutive hours. At the company's sole discretion, any customer with two successive failures of any follow-up testing (including the actual and test interruptions) may be moved to firm service contingent upon on the availability of firm pipeline capacity.

b. Priority of Interruptions

Interruptions in non-emergency situations shall be rotated among all interruptible supply customers in an impartial and nondiscriminatory manner. Interruptions may be the result of conditions in a specific geographical location of the pipeline serving the area.

c. Notification

The company will endeavor to give customers as much advance notice as practicable whenever a cessation or restriction of gas is required.



NATURAL GAS GC-3 F/I Medium Commercial & Industrial—Over 20,000 to 200,000 therms

12. Cost of Facilities

Customers electing interruptible supply or transportation service shall be required to install facilities that enable the company to remotely read the customer's meter(s). At the company's sole discretion, customers electing firm supply may be required to install these facilities. Installation and operation shall include access to electric power, telephone lines or data transmission lines and customer property or other customer equipment as necessary to make the remote meter reading equipment operational. The customer agrees to allow the company to install and operate such equipment. The cost of providing electric power, telephone, data transmission line service, or customer access to the data shall be paid by the customer.

13. Transfers Between Firm and Interruptible System Supply or Transportation Service

A customer may apply to transfer between firm system gas supply and interruptible system gas supply or between transportation service and system supply on November 1 of any year by providing the company with written notice 12 months prior to the requested transfer. Approval of the requested transfer shall be contingent upon the company's ability to adequately adjust contractual commitments with its suppliers in order to maintain its planned reserve capacity. Transfers between services shall be on a first-come first-served basis.

The customer may transfer upon shorter notice if:

- (1) the transfer causes no incremental increase in the cost per therm of fixed gas costs for firm system supply customers, or
- (2) the customer agrees to pay all fixed gas costs in excess of the limitation in option 1.



NATURAL GAS GC-4F/I Medium Commercial & Industrial—Over 200,000 to 1.3 million therms

1. Effective In

All areas served with natural gas by the company.

2. Availability

- a. The schedule is available to commercial or industrial customers consistent with the company's Rules and Regulations.
- b. This schedule is available to any commercial or industrial customer whose annual usage is more than 200,000, but less than 1.3 million therms, including transportation quantities.

An annual review will occur in April. If the 12-month usage of the customer falls below 180,000 therms, the customer shall be transferred to the GC-3F/I schedule and shall remain on the assigned schedule until the next annual review. If the 12-month usage of the customer is 1.32 million therms or greater, the customer shall be transferred to the GC-5F/I schedule until the next annual review.

- c. A customer returning from the Transportation Rider with less than 12 months of service on the rider shall be subject to the Maximum Daily Demand charges avoided during the service on the Transport Rider. The company reserves the right to waive this cost with Commission approval.
- d. Availability of this rate is subject to the company's ability to obtain sufficient capacity and commodity.

3. Gas Supply Option

a. Firm or Interruptible

Customers purchasing gas from the company under this rate schedule may choose firm or interruptible gas supply consistent with the company's rules and regulations. Service under interruptible supply will be constrained or curtailed before service provided under firm supply. Customers that elect interruptible supply service must agree to interrupt use of gas whenever requested by the company.

b. Transportation Rider

Customers may purchase gas from a third party supplier. See Schedule T-1, Transportation Service Rider of this gas tariff.



NATURAL GAS GC-4F/I Medium Commercial & Industrial--Over 200,000 to 1.3 million therms

4. Rates

a.	Customer Charge	\$21.3500 per day		
			<u>Firm</u>	<u>Supply</u> <u>Interruptible</u> (Rates per therm)
b.	Distribution Service Rate		\$0.0694	\$0.0694 (R)
c.	<u>Pipeline Charges</u>			
	i Base Maximum Daily Delivery Rate [1]		0.01185	NA (R)
	ii Base Annual Demand Rate		0.0531	0.0531 (R)
d.	<u>Gas Supply</u>			
	i. Base Commodity Rate		0.2547	0.2547 (R)
	ii. Gas Supply Acquisition Rate		0.0116	0.0112 (R)
e.	Applicable Gas Industry Transition Charges and Lost & Unaccounted for Gas Rate			(See Sheet No. 21.10)

[1] Maximum Daily Delivery Rate effective Nov. 4 – Apr. 5

4. Adjustment to Base Rates for Cost of Purchased Gas
The base rates under this schedule are subject to adjustment, as defined in the GCRM.
See Sheet No. 21.10.

5. Minimum Monthly Bill
The Customer Charge per day for the billing period.

6. Kind of Gas
Natural gas as received from pipeline.

7. Conditions
Service under this schedule is not available for resale.

The customer shall make written application to the company before installing or connecting gas-fired equipment for space heating.

8. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8.5.



NATURAL GAS GC-4F/I Medium Commercial & Industrial—Over 200,000 to 1.3 million therms

9. Special Provisions for Noncontinuous Use

Service under this schedule contemplates continuous month to month use. Any customer who has service discontinued and then turned back on within 12 months of the date service was discontinued shall pay a reconnection charge of \$30.00 during business hours or \$70.00 during non-business hours. Customers who discontinue service for reasons other than nonpayment of bill will also pay the Minimum Monthly Bill for each month the service was discontinued.

No charge shall be made for the transfer of an account to a new owner of the premise, made without disconnection and reconnection of service.

10. Interruptible Gas Supply

The company contracts with the pipeline for a lower level priority of service when customers elect interruptible supply. Under the interruptible supply option, customers may be subject to short-term restriction of the delivery of natural gas. Interruptions may be used to by the company to avoid pipeline penalty charges or other restrictive provisions. Interruptions may also be used to restrict supply during an emergency.

a. Failure to Interrupt

Customers that fail to interrupt when requested may be subject to the following measures enacted by the company; 1) the company may physically valve-off the customer to maintain system integrity and enhance public safety and the applicable reconnection fees as shown in Gr-8.5 would apply, and 2) such customers will be subject to unauthorized use penalties as defined in Gr-8.5. In the case of a failed interruption, the customer shall be moved to the appropriate firm service schedule if the customer is unable to demonstrate the ability to successfully interrupt service for a minimum of four consecutive hours. At the company's sole discretion, any customer with two successive failures of any follow-up testing (including the actual and test interruptions) may be moved to firm service contingent upon on the availability of firm pipeline capacity.

b. Priority of Interruptions

Interruptions in non-emergency situations shall be rotated among all interruptible supply customers in an impartial and nondiscriminatory manner. Interruptions may be the result of conditions in a specific geographical location of the pipeline serving the area.

c. Notification

The company will endeavor to give customers as much advance notice as practicable whenever a cessation or restriction of gas is required.



NATURAL GAS GC-4F/I Medium Commercial & Industrial—Over 200,000 to 1.3 million therms

11. Cost of Facilities

Customers electing interruptible supply or transportation service shall be required to install facilities that enable the company to remotely read the customer's meter(s). At the company's sole discretion, customers electing firm supply may be required to install these facilities. Installation and operation shall include access to electric power, telephone lines or data transmission lines and customer property or other customer equipment as necessary to make the remote meter reading equipment operational. The customer agrees to allow the company to install and operate such equipment. The cost of providing electric power, telephone, data transmission line service, or customer access to the data shall be paid by the customer.

12. Transfers Between Firm and Interruptible Supply or Transportation Service

A customer may apply to transfer between firm system gas supply and interruptible system gas supply or between transportation service and system supply on November 1 of any year by providing the company with written notice 12 months prior to the requested transfer. Approval of the requested transfer shall be contingent upon the company's ability to adequately adjust contractual commitments with its suppliers in order to maintain its planned reserve capacity. Transfers between services shall be on a first-come first-served basis.

The customer may transfer upon shorter notice if:

- (1) the transfer causes no incremental increase in the cost per therm of fixed gas costs for firm system supply customers, or
- (2) the customer agrees to pay all fixed gas costs in excess of the limitation in option 1.



NATURAL GAS GC-5F/I Large Commercial & Industrial—Over 1.3 million to 7.5 million therms

1. Effective In

All areas served with natural gas by the company.

2. Availability

a. The schedule is available to commercial or industrial customers consistent with the company's Rules and Regulations.

b. This schedule is available to any commercial or industrial customer whose annual usage is more than 1.3 million, but less than 7.5 million therms, including transportation quantities.

An annual review will occur in April. If the 12-month usage of the customer falls below 1.28 million therms, the customer shall be transferred to the Gc-4F/I schedule and shall remain on the assigned schedule until the next annual review. If the 12-month usage of the customer is 7.52 million therms or greater, the customer shall be transferred to the Gc-6F/I schedule and shall remain on the assigned schedule until the next annual review.

c. A customer returning from the Transportation Rider with less than 12 months of service on the rider shall be subject to the Maximum Daily Demand charges avoided during the service on the Transport Rider. The company reserves the right to waive this cost with Commission approval.

d. Availability of this rate is subject to the company's ability to obtain sufficient capacity and commodity.

3. Gas Supply Option

a. Firm or Interruptible

Customers purchasing gas from the company under this rate schedule may choose firm or interruptible gas supply consistent with the company's rules and regulations. Service under interruptible supply will be constrained or curtailed before service provided under firm supply. Customers that elect interruptible supply service must enter into a contract and agree to interrupt use of gas to the extent requested by the company.

b. Transportation Rider

Customers may purchase gas from a third party supplier. See Schedule T-1, Transportation Service Rider of this gas tariff.



NATURAL GAS GC-5F/I Large Commercial & Industrial-1.3 million to 7.5 million therms

4. Rates

a.	Customer Charge	\$36.2500 per day		
			<u>Supply</u>	
			<u>Firm</u> <u>Interruptible</u>	
			(Rates per therm)	
b.	Distribution Service Rate		\$0.0493	\$0.0493 (R)
c.	<u>Pipeline Charges</u>			
	i. Base Maximum Daily Delivery Rate [1]		0.1185	NA(R)
	ii. Base Annual Demand Rate		0.0531	0.0531 (R)
d.	<u>Gas Supply</u>			
	i. Base Commodity Rate		0.2547	0.2547(R)
	ii. Gas Supply Acquisition Rate		0.0116	0.0112 (R)
e.	Applicable Gas Industry Transition Charges and Lost & Unaccounted for Gas Rate			(See Sheet No. 21.10)

[1] Maximum Daily Delivery Rate effective Nov. 4 – Apr. 5

5. Adjustment to Base Rates for Cost of Purchased Gas

The base rates under this schedule are subject to adjustment, as defined in the GCRM. See Sheet No. 21.10.

6. Minimum Monthly Bill

The Customer Charge per day for the billing period.

7. Kind of Gas

Natural gas as received from pipeline.

8. Conditions

Service under this schedule is not available for resale.

The customer shall make written application to the utility before installing or connecting gas-fired equipment for space heating.

9. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8.5.



NATURAL GAS GC-5F/I Large Commercial & Industrial—Over 1.3 million to 7.5 million therms

10. Special Provisions for Noncontinuous Use

Service under this schedule contemplates continuous month to month use. Any customer who has service discontinued and then turned back on within 12 months of the date service was discontinued shall pay a reconnection charge of \$30.00 during business hours or \$70.00 during non-business hours. Customers, those who discontinue service for reasons other than nonpayment of bill will also pay the Minimum Monthly Bill for each month the service was discontinued.

No charge shall be made for the transfer of an account to a new owner of the premise, made without disconnection and reconnection of service.

11. Interruptible Gas Supply

The company contracts with the pipeline for a lower level priority of service when customers elect interruptible supply. Under the interruptible supply option, customers may be subject to short-term restriction of the delivery of natural gas. Interruptions may be used by the company to avoid pipeline penalty charges or other restrictive pipeline tariff provisions. Interruptions may also be used to restrict supply during an emergency.

a. Failure to Interrupt

Customers that fail to interrupt when requested may be subject to the following measures enacted by the company; 1) the company may physically valve-off the customer to maintain system integrity and enhance public safety and the applicable reconnection fees as shown in Gr-8.5 would apply, and 2) such customers will be subject to unauthorized use penalties as defined in Gr-8.5. In the case of a failed interruption, the customer shall be moved to the appropriate firm service schedule if the customer is unable to demonstrate the ability to successfully interrupt service for a minimum of four consecutive hours. At the company's sole discretion, any customer with two successive failures of any follow-up testing (including the actual and test interruptions) may be moved to firm service contingent upon on the availability of firm pipeline capacity.

b. Priority of Interruptions

Interruptions in non-emergency situations shall be rotated among all interruptible supply customers in an impartial and nondiscriminatory manner. Interruptions may be the result of conditions in a specific geographical location of the pipeline serving the area.

c. Notification

The company will endeavor to give customers as much advance notice as practicable whenever a cessation or restriction of gas is required.



NATURAL GAS GC-5F/I Large Commercial & Industrial—Over 1.3 million to 7.5 million therms

12. Cost of Facilities

Customers electing interruptible supply or transportation service shall be required to install facilities that enable the company to remotely read the customer's meter(s). At the company's sole discretion, customers electing firm supply may be required to install these facilities. Installation and operation shall include access to electric power, telephone lines or data transmission lines and customer property or other customer equipment as necessary to make the remote meter reading equipment operational. The customer agrees to allow the company to install and operate such equipment. The cost of providing electric power, telephone, data transmission line service, or customer access to the data shall be paid by the customer.

13. Transfers to Between Firm and Interruptible Supply or Transportation Service

A customer may apply to transfer between system gas supply and interruptible gas supply or between transportation service and system supply on November 1 of any year by providing the company with written notice 12 months prior to the requested transfer. Approval of the requested transfer (on a first-come first-served basis) shall be contingent upon the company's ability to adequately adjust contractual commitments with its suppliers in order to maintain its planned reserve capacity. Transfers between service shall be on a first-come first-served basis.

The customer may transfer upon shorter notice if:

- (1) the transfer causes no incremental increase in the cost per therm of fixed gas costs for firm supply system customers, or
- (2) the customer agrees to pay all fixed gas costs in excess of the limitation in option 1.



NATURAL GAS GC-6F/I Super Large Commercial & Industrial—Over 7.5 million therms

1. Effective In

All areas served with natural gas by the company.

2. Availability

a. The schedule is available to commercial or industrial customers consistent with the company's Rules and Regulations.

b. This schedule is available to any commercial or industrial customer whose annual usage is more than 7.5 million therms, including transportation quantities.

An annual review will occur in April. If the 12-month usage of the customer falls below 7.25 million therms, the customer shall be transferred to the Gc-5F/I schedule, and shall remain on the assigned schedule until the following annual review.

c. A customer returning from the Transportation Rider with less than 12 months of service on the rider shall be subject to the Maximum Daily Demand charges avoided during the service on the Transport Rider. The company reserves the right to waive this cost with Commission approval.

d. Availability of this rate is subject to the company's ability to obtain sufficient capacity and commodity.

3. Gas Supply Option

a. Firm or Interruptible

Customers purchasing gas from the company under this rate schedule may choose firm or interruptible gas supply consistent with the company's rules and regulations. Service under interruptible supply will be constrained or curtailed before service provided under firm supply. Customers that elect interruptible supply service must enter into a contract and agree to interrupt use of gas to the extent requested by the company.

b. Transportation Rider

Customers may purchase gas from a third party supplier. See Schedule T-1, Transportation Service Rider of this gas tariff.



NATURAL GAS GC-6 Super Large Commercial & Industrial-Over 7.5 million therms GAS

4. Rates

a.	Customer Charge	\$41.8820 per day	(R)	
		<u>Firm</u>	<u>Supply</u> <u>Interruptible</u>	(Rates per therm)
b.	Distribution Service Rate		\$0.0367	\$0.0367 (R)
c.	<u>Pipeline Charges</u>			
	i. Base Maximum Daily Delivery Rate [1]		0.1185	NA(R)
	ii. Base Annual Demand Rate		0.0531	0.0531 (R)
d.	<u>Gas Supply</u>			
	i. Base Commodity Rate		0.2547	0.2547 (R)
	ii. Gas Supply Acquisition Rate		0.0116	0.0112 (R)
e.	Applicable Gas Industry Transition Charges and Lost & Unaccounted for Gas Rate			(See Sheet No. 21.10)

[1] Maximum Daily Delivery Rate effective Nov. 4 – Apr. 5

5. Adjustment to Base Rates for Cost of Purchased Gas

The base rates under this schedule are subject to adjustment, as defined in the GCRM. See Sheet No. 21.10.

6. Minimum Monthly Bill

The Customer Charge per day for the billing period.

7. Kind of Gas

Natural gas as received from pipeline.

8. Conditions

Service under this schedule is not available for resale.

The customer shall make written application to the utility before installing or connecting gas-fired equipment for space heating.

9. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8.5



NATURAL GAS GC-6F/I Super Large Commercial & Industrial—Over 7.5 million therms

10. Special Provisions for Noncontinuous Use

Service under this schedule contemplates continuous month to month use. Any customer who has service discontinued and then turned back on within 12 months of the date service was discontinued shall pay a reconnection charge of \$30.00 during business hours or \$70.00 during non-business hours. Customers who discontinue service for reasons other than nonpayment of bill will also pay the Minimum Monthly Bill for each month the service was discontinued.

No charge shall be made for the transfer of an account to a new owner of the premise, made without disconnection and reconnection of service.

11. Interruptible Gas Supply

The company contracts with the pipeline for a lower level priority of service when customers elect interruptible supply. Under the interruptible supply option, customers may be subject to short-term restriction of the delivery of natural gas. Interruptions may be used by the company to avoid pipeline penalty charges or other restrictive pipeline tariff provisions. Interruptions may also be used to restrict supply during an emergency.

a. Failure to Interrupt

Customers that fail to interrupt when requested may be subject to the following measures enacted by the company; 1) the company may physically valve-off the customer to maintain system integrity and enhance public safety and the applicable reconnection fees as shown in Gr-8.5 would apply, and 2) such customers will be subject to unauthorized use penalties as defined in Gr-8.5. In the case of a failed interruption, the customer shall be moved to the appropriate firm service schedule if the customer is unable to demonstrate the ability to successfully interrupt service for a minimum of four consecutive hours. At the company's sole discretion, any customer with two successive failures of any follow-up testing (including the actual and test interruptions) may be moved to firm service contingent upon on the availability of firm pipeline capacity.

b. Priority of Interruptions

Interruptions in non-emergency situations shall be rotated among all interruptible supply customers in an impartial and nondiscriminatory manner. Interruptions may be the result of conditions in a specific geographical location of the pipeline serving the area.



NATURAL GAS GC-6F/I Super Large Commercial & Industrial—Over 7.5 million therms

c. Notification

The company will endeavor to give customers as much advance notice as practicable whenever a cessation or restriction of gas is required.

12. Cost of Facilities

Customers electing interruptible supply or transportation service shall be required to install facilities that enable the company to remotely read the customer's meter(s). At the company's sole discretion, customers electing firm supply may be required to install these facilities. Installation and operation shall include access to electric power, telephone lines or data transmission lines and customer property or other customer equipment as necessary to make the remote meter reading equipment operational. The customer agrees to allow the company to install and operate such equipment. The cost of providing electric power, telephone, data transmission line service, or customer access to the data shall be paid by the customer.

13. Transfers Between Firm and Interruptible System Supply or Transportation Service

A customer may apply to transfer between firm system gas supply and interruptible system gas supply or between transportation and system supply service on November 1 of any year by providing the company with written notice 12 months prior to the requested transfer. Approval of the requested transfer shall be contingent upon the company's ability to adequately adjust contractual commitments with its suppliers in order to maintain its planned reserve capacity. Transfers between services shall be on a first-come first-served basis.

The customer may transfer upon shorter notice if:

- (1) the transfer causes no incremental increase in the cost per therm of fixed gas costs for firm system supply customers, or
- (2) the customer agrees to pay all fixed gas costs in excess of the limitation in option 1.



CONTRACT DEMAND LOCAL DISTRIBUTION SERVICE
(CLOSED SCHEDULE)

GAS
(R)

1. Effective In

All areas served with natural gas by the company.

2. Availability

- a. This schedule is available to commercial or industrial customers consistent with the company's Rules and Regulations.
- b. This schedule is available to customers who contract with the company for a minimum contract demand level of 3,000 Dth per day and a minimum annual load factor of 80 percent.
- c. This schedule is available to customers for delivery of customer-owned gas from the city gate station to the customer's premises.

3 Rate

a. Local Service Rate:

	<u>\$/Therm</u>
1) The Local Service Rate	\$0.0200

4. Minimum Monthly Bill

The Minimum Monthly Bill shall be the daily contract demand level times the number of days in the monthly billing cycle times the Local Service Rate.

819

5. Balancing

Service under this tariff is subject to the customer's ability to balance their daily metered gas usage with delivered transportation quantities. The customer shall be subject to the monthly balancing provisions as set forth in the company's Commodity Balancing Service Rider. The customer or the customer's pooling agent shall be subject to daily and constraint day balancing provisions as set forth in the company's Daily Balancing Service rider.

6. Choice of Balancing Service

The customer must elect either a pipeline balancing service or the company's balancing service. The customer's election will continue in effect until the customer notifies the company of a change. Five working days' notice is required but the company will attempt to change the election with a shorter notice on a best-efforts basis.

If the customer elects a pipeline balancing service, the customer must enter into an agreement with the pipeline to hold the company harmless from charges from the pipeline resulting from the customer's imbalances. The customer must provide a copy of the agreement to the company upon request.



CONTRACT DEMAND LOCAL DISTRIBUTION SERVICE
(CLOSED SCHEDULE)

GAS
(R)

7. Pooling Agent Requirements

If the customer elects to designate a pooling agent for purposes of balancing, the pooling agent must enter into a contract with the company. If the pooling agent does not maintain his or her account in good standing with the company, the company may proceed with billing dispute resolution activities with the pooling agent as provided for in section PSC 134.064, Wis. Adm. Code. The company shall notify the pooling agent's customers concurrent with the initiation of such action.

8. Contract

Service under this tariff requires a written contract between the company and the customer. The contract shall establish a daily contract demand level. The customer shall commit to take the daily contract demand level. The company shall commit to providing (with the exception of force majeure instances) Local Delivery Service capacity equivalent to the daily contract demand level for the term of the contract. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to unauthorized use penalties described in Gr-8.

9. Character of Service

a. Local Delivery Service Only

This service is for delivery of customer-owned gas from the city gate station to the customer's premises. The customer is responsible for procurement and interstate transportation of gas to the city gate station.

b. Gas Delivered for Customer Use Only

Gas delivered hereunder shall not be resold.

10. Cost of Facilities

The company shall require the installation and operation of equipment and other facilities to read remotely the customer's meter(s). Installation and operation shall include access to electric power, telephone lines or data transmission lines and customer property or other customer equipment when it is necessary to make the remote meter reading operational. The customer agrees to allow the company to install and operate such equipment. In addition, costs, if any, of providing electric power, telephone, or data transmission line service or customer access to the data shall be paid by the customer.

11. Control of Gas in Company Distribution System

The company agrees that from the time customer-owned gas which meets the quality and other requirements of the pipeline(s) and company's tariffs is received by the company until such time as said gas is delivered to the customer's premises, the company shall be in control and possession of such gas and will be responsible for any loss thereof and any and all injury and damage caused thereby, except indirect or consequential damages until such gas has been delivered to the customer.



NATURAL GAS GAS
T-1 TRANSPORTATION SERVICE RIDER / WITH OPTIONAL FT-1 NOMINATED BACK-UP

1. Effective In
All areas served with natural gas by the company.

2. Availability
 - a. All customer classes consistent with the company's Rules and Regulations.
 - b. This rider is available under written contract and provides for the transportation of customer-owned gas from the applicable city gate station to the customer's meter. The customer is completely responsible for the gas prior to its entry into the company's facilities at the applicable city gate station.
 - c. Customers served under this rider may elect to purchase a nominated quantity of back-up supply from the company if capacity is available from the pipeline supplier and other conditions set forth in paragraph 4 below are met. Customers that are provided back-up service are served under FT-1, Optional Nominated Back-up Service, a sub-category of T-1 service. FT-1 service requires a written contract between the company and the customer. The term of the contract will be mutually agreed upon but will not exceed the term offered by the involved pipeline supplier(s).
 - d. Customers must provide the company with a written request for service under this rider. The customer may then be required to wait one year from November 1 of any year to take transportation service. See item 7 of this rider.
 - e. If the customer utilizes a pooling agent, availability of this rider is conditioned upon the pooling agent having a contract and account in good standing with the company.
 - f. The customer is required to have equipment installed that enables the company to remotely read the meter.

3. Rates
 - a. Customer Charge
The Customer Charge from the applicable rate schedule.
 - b. Transportation Charge
The rate per therm for billing gas delivery under this rider shall be the applicable Distribution Service Rate.
 - c. Administrative Charge
In months where no transportation gas is nominated or delivered, the administrative charge will be waived. (R)



NATURAL GAS GAS
T-1 TRANSPORTATION SERVICE RIDER / WITH OPTIONAL FT-1 NOMINATED BACK-UP

- d. Applicable Flow Through Charges and Lost & Unaccounted for Gas rate as shown on Sheets No. 21.11. (R)
- e. Minimum bill: The Customer Charge per day for the billing period.

FT-1 Optional Nominated Back-up Service Charges

Customers with backup service pay demand charges for each unit of nominated backup supply. Charges are assessed on the daily and monthly nominated quantities. These charges are as follows:

- i) Daily nomination charges: Quantities are subject to the Maximum Daily Delivery Charge of \$0.4620.
- ii) Monthly nomination charges: Quantities are subject to the Annual Demand Charges shown on Sheet No. 21.11.

4. FT-1 Optional Nominated Back-up Service Quantities

Customers electing transportation back-up service must nominate a maximum monthly and daily quantity. Monthly quantities nominated must be a minimum of 6 times the daily nominated quantity. The daily and monthly nominations will remain in effect unless revised in the manner set forth below.

Customers desiring to elect FT-1 service, or to add to or otherwise revise their FT-1 service may do so on November 1 of any year by providing the company with a written request at least 12 months prior to November 1. Requests will be handled on a first-come first-served basis. Approval of any requests to elect or change FT-1 service shall be contingent upon the company's ability to adequately adjust contractual commitments with its suppliers in order to maintain its planned reserve capacity. The customer may raise or lower nominations upon shorter notice if:

- 1) the change does not cause an increase in the cost per therm of fixed gas costs, or
- 2) the rate impact is less than the cost of needed additional capacity.

5. Balancing

- a. Service under this rider is subject to the customer's ability to balance their metered gas usage with delivered transportation quantities. The customer or his pooling agent shall be subject to the monthly balancing provisions as set forth in the company's Commodity Balancing Service Rider. The customer or the customer's pooling agent(s) shall be subject to daily and constraint day balancing provisions as set forth in the company's Daily Balancing Service Rider.



NATURAL GAS GAS
T-1 TRANSPORTATION SERVICE RIDER / WITH OPTIONAL FT-1 NOMINATED BACK-UP

- b. Back-up service balancing: On non-constraint-days, customers electing back-up service may use their monthly nomination divided by 30.4 days to create a tolerance band around 0% for Daily Balancing Service. Daily delivery nominations under this service will be considered as confirmed nomination quantities for constraint day balancing purposes.

6. Choice of Balancing Service

The customer must elect either a pipeline balancing service or the company's balancing service. The customer's election will continue in effect until the customer notifies the company of a change.

If the customer elects a pipeline balancing service, the customer must enter into an agreement with the pipeline to hold the company harmless from charges from pipeline resulting from the customer's imbalances. The customer must provide a copy of the agreement to the company upon request.

7. Transfers Between Transportation and Company Gas Supply

A customer may apply to transfer to either transportation or company gas supply by providing the company with a written request at least 12 months prior to November 1 of any year. Approval of transfers between transportation and company gas supply shall be contingent upon the company's ability to adequately adjust contractual commitments with its suppliers in order to maintain its planned reserve capacity. The customer may transfer upon shorter notice if:

- (1) the transfer causes no incremental increase in the cost per therm of fixed gas costs for system customers, or
- (2) the customer agrees to pay all fixed gas costs in excess of the limitation in option 1; the Average Demand Charge as shown on Sheet 21.10 may apply.

(R)

Applications to transfer to either company gas supply or transportation will be handled on a first-come first-serve basis. Short term transfers for a period of time less than 12 months are discouraged. However, the company will evaluate and may grant short term transfers on a case-by-case basis provided that such requests are rare and are accompanied by supporting explanation.

A customer transferring from transportation to company gas supply may be considered a new customer for the purpose of availability of gas supply and customer deposits

8. Cost of Facilities

The customer agrees to allow the company to install and operate equipment and other facilities to remotely read the customer's meter(s). Installation and operation shall include access to electric power, telephone lines or data transmission lines and customer property or other customer equipment. Any additional costs of providing electric power, telephone, data transmission line service or customer access to the data shall be paid by the customer. Customers will be responsible for the installed cost of telemetering and any optional pulse equipment. Such payments may be made either at the time of installation or in 12 equal monthly installments following installation.



NATURAL GAS GAS (R)
T-1 TRANSPORTATION SERVICE RIDER / WITH OPTIONAL FT-1 NOMINATED BACK-UP

9. Conditions of Curtailment

Service under this rider is subject to curtailment in accordance with Gr-8, Priorities and Restriction for Natural Gas Service.

If, in the event of a disruption on the company's system, it is determined that the company has delivered gas transported under this rider to the company's system customers, compensation to the transporting customer shall be at the company's effective Weighted Commodity price of gas (Sheet No. 21.11)

10. Control of Gas in Company Distribution System

The company shall be in control and possession of customer-owned gas delivered from the pipelines to the company's distribution system. While the gas is in the company's possession, the company shall be responsible for any losses other than normal line losses which are recovered through the Lost and Unaccounted for Gas rate. Additionally, the company shall be responsible for all injury or damage caused by losses, except indirect or consequential damage until the gas has been delivered to the customer.

11. Pooling Agent Requirements

If the customer elects to designate a pooling agent for the purposes of balancing, the pooling agent must enter into a contract with the company. If the pooling agent does not maintain his or her account in good standing with the company, nomination for delivery of gas supply on behalf of the customer can be refused by the company. Customers served by pooling agents not in good standing shall be notified by the company if the company has refused to deliver gas supplies for the pooling agent. The effected customers will be notified prior to discontinuing service to the pooling agent. If a billing dispute is involved, the company will proceed with its resolution as provided by the Administrative Code.



REMOTE METERING CELLULAR MODEM RIDER

GAS

1. Effective In

All areas served with natural gas by the Company.

2. Availability

This rider applies to all customers that require remote metering of natural gas usage for billing as currently defined in the Natural Gas Tariff, including all customers served under the Transportation Service Rider, and Interruptible Gas Service

3. Character of Service

The Company is phasing in cellular-modems to replace analogue phone lines. Until the Company installs the cellular modem at the customer's premise, the tariff provision that requires Transportation and Interruptible customers to maintain analog phone lines as a condition of service remains in place. After modem installation, this provision is superseded by this rider as a condition of service.

An electric power source at customer cost and access to customer facilities for installation are required for service under this rider.

Customers that have modems installed and then removed within a 12 month period will be responsible for installation and removal costs of the cellular-modem.

Impacted customers will be provided a minimum of two-month notice before modem installation. Billing for cellular modem service will begin the first full-calendar month after the facilities are in service.

4. Rate

Remote metering charge: \$1.24 per modem per day



Volume III, 9th Revision, Sheet No. 22.70
Amendment 767

GAS

(This page intentionally left blank)



Volume III 5th Revision, Sheet No. 22.71
Amendment 767

GAS

(This page intentionally left blank)



Volume III 4th Revision, Sheet No. 22.72
Amendment 767

GAS

(This page intentionally left blank)



Volume III, 3rd Revision, Sheet No. 22.73
Amendment 767

GAS

(This page intentionally left blank)



Volume III 4th Revision, Sheet No. 22.74
Amendment 767

GAS

(This page intentionally left blank)



Volume III 4th Revision, Sheet No.22.75
Amendment 767

GAS

(This page intentionally left blank)



Volume III 1st Revision, Sheet No. 22.76
Amendment 767

GAS

(This page intentionally left blank)



RENEWABLE NATURAL GAS SERVICE (RNG) PILOT

GAS

1. Effective In

All territory served by the Company.

2. Availability

Renewable Natural Gas (RNG) is produced from decomposing organic including landfills, dairies/livestock operations, and wastewater treatment plants.

This service is available to customer/producer of RNG for injection and delivery of RNG from the Company's natural gas distribution system consistent with the Company's Rules and Regulations.

The customer and Company must enter into a written contract to define the specific terms of service under this rate schedule.

Service under this rate schedule is available on a best efforts basis.

Customers electing service under this rate schedule must pay for all equipment necessary for the delivery of RNG at the point of interconnection with the Company, including, but not limited to, valves, separators, quality measurement, odorant and other equipment necessary to monitor, regulate and deliver gas at the interconnection point. All equipment installed will be the property of the Company unless otherwise negotiated by contract. The Company will install equipment to monitor daily RNG deliveries.

3. Rates

a. Customer Charge and Distribution Service Rate:

The Customer Charge and Distribution Service Rate from rate schedules Gc-4, Gc-5 and Gc-6 will apply to RNG deliveries according to the volumetric applicability requirements of these rate schedules.

b. Quality Monitoring: \$ 52.9873 per day

c. Maintenance: \$ 13.6986 per day

d. Odorization: \$0.0006 per therm

e. Remote Metering Charge GMP-1 as applicable



RENEWABLE NATURAL GAS SERVICE (RNG) PILOT

GAS

4. Calculation of Main Allowance

The calculation of annual margin for the determination of the customer's Main Allowance per the Gas Extension Rules, Gr-6, will include only the applicable Customer Charge and Distribution Service Rates as described in 3.a.

5. Minimum Monthly Bill

The Customer Charge per day for the billing period.

6. Remote Metering Requirement

The customer is required to install facilities that enable the Company to remotely read the customer's meter per rate schedule GMP-1 as necessary. Installation and operation will include access to electrical power or other equipment as necessary to make the remote meter reading equipment operational.

7. Gas Receipts

The quantity of RNG the Company will accept each day may be limited, and is dependent on:

- (a) The Company's ability to physically accept RNG deliveries at the designated interconnection point.
- (b) The ability of receiving end-users of RNG to consume the total quantities produced.
- (c) The RNG delivered must meet all applicable Company gas quality standards and testing schedule.
- (d) Terms for Company purchases of RNG will be established by written contract with the customer.
- (e) If the Commission objects to any terms of an RNG Delivery Service Agreement, the Company and customer agree to renegotiate the contract in good faith.
- (f) As allowed by physical limitations of RNG at designated interconnection points, RNG may be included as a supply source under the T-1 Transportation Service Rider. Other than exclusion identified for RNG service, terms of T-1 service will apply.
- (g) All RNG injected into the WPL system by a customer must be designated for delivery to either the Company or third-party pooling agent(s). Partial designation of deliveries between the Company and third-party pooling agent(s) are not allowed.



Volume III, Original Sheet No. 22.82
Amendment 955, Schedule RG-1.1

RENEWABLE NATURAL GAS SERVICE (RNG) PILOT

GAS

(h) RNG sales to a pooling agent/transportation customer are subject to Company monthly and daily balancing charges, DBS-1 and CS-1.



SEASONAL NATURAL GAS SERVICE (AGRICULTURAL)

GAS

1. Effective In

All areas served with natural gas by the Company.

2. Availability

Service under this schedule is designed to achieve maximum utilization of the Company's facilities during off-peak periods and is available under contract to any customer provided the customer is engaged in crop preparation services, the drying of agricultural grains subsequent to harvest and/or the production of field corn or soybeans for grain or seed. Service taken under this schedule is not to be used for domestic purposes, such as dwellings. Service is available provided a customer signs a contract with the Company and agrees:

- a. To interrupt the use of gas whenever requested by the Company
- b. The customer's annual usage, including applicable transportation quantities, shall not be greater than 200,000 therms. An annual review will occur in April. If the 12 month's usage of the customer is greater than 220,000 therms, the customer shall be transferred to the GC-4F/I schedule. The customer shall remain on the assigned schedule until the next annual review. This requirement may be waived, if, upon determination by the Company, a customer's annual usage has been affected by adverse weather conditions.

3. Rates

a.	Customer Charge:	\$1.8902 per day		
			<u>\$/Therm</u>	
b.	Distribution Service Rates [1]			
			Off <u>Season</u>	On <u>Season</u>
	i. First 1,000 Therms		\$0.1449	\$0.1449
	ii. Next 2,000 Therms		\$0.0993	\$0.1449 (R)
	iii. Greater Than 3,000 Therms		\$0.0832	\$0.1449 (R)
c.	<u>Pipeline Charge</u> – Base Annual Demand Rate		\$0.0531	\$0.053 (R)
1				
d.	<u>Gas Supply</u>			
	i. Base Commodity Rate		\$0.2547	\$0.2547 (R)
	ii. Gas Supply Acquisition Rate		\$0.0121	\$0.0121 (R)
				(R)
e.	Applicable Gas Industry Transition Charges and Lost and Unaccounted for Gas			(R)
			(See Sheet No. 21.10)	

1] The on-season period is defined as the period starting January 5 and continuing through May 4. The off-season period is defined as the period starting May 5 and continuing through January 4 of the following year.



SEASONAL NATURAL GAS SERVICE (AGRICULTURAL)

GAS

4. Adjustment to Base Rates for Cost of Purchased Gas
The base rates under this schedule are subject to adjustment, as defined in the GCRM. See Sheet No. 21.10.

5. Minimum Monthly Bill
The Customer Charge per day for the billing period.

6. Kind of Gas
Natural gas as received from pipelines, with or without mixture with manufactured gas.

7. Character of Service
 - a. Interruption
Interruption is defined as short-term restriction of the delivery of natural gas to customers.

 - b. Purpose and Use of Interruption
Interruptions may be used to enable the company to avoid penalty charges or restrictive provisions in the pipeline company's tariffs. Interruptions may also be used to restrict supply during emergency situations.

 - c. Priority of Interruption
Interruptions in non-emergency situations shall be rotated among all interruptible system sales customers in an impartial and nondiscriminatory manner.

Emergency interruptions will be handled on an as needed basis. To the extent possible, the company will endeavor to interrupt interruptible customers first.



SEASONAL NATURAL GAS SERVICE (AGRICULTURAL)

GAS

- d. The total quantity of gas available to the customer hereunder, per year, per month, per day, or per hour is limited to:
 - 1) The quantity obtainable from pipeline companies for delivery to the customer, as controlled by contractual or tariff provisions regulating the sale and delivery of wholesale gas by pipeline companies to the distributing utility.
 - 2) The quantity available for delivery from time to time, at the option and according to the judgment of the distributing utility.
- e. The Company will endeavor to give customers as much advance notice as practicable, whenever cessation or restriction of deliveries hereunder will be required. In the event of any emergency resulting from the shortage of supply, the distributing utility may restrict or discontinue the supply to the customer hereunder without advance notice, but shall advise the customer promptly of the action taken.
- f. The purchase of gas under any other sales schedule to replace the gas interrupted hereunder is not permitted.
- g. Gas obtained hereunder shall not be resold.
- h. The Company shall not be required to extend or reinforce its established distribution system for the purpose of furnishing interruptible service to any applicant for service under this schedule unless, in the Company's judgment, the cost to the Company of making such installation is justified by the character and permanence of the applicant's load.
- i. Contracts hereunder shall contain, in addition to the provisions of this schedule, such other provisions, and shall be for such term, as shall be reasonable under the circumstances applying in each case.
- j. The Company shall not be required to secure natural gas on a firm basis for any customer served under this schedule.



SEASONAL NATURAL GAS SERVICE (AGRICULTURAL)

GAS

8. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8. (R)
|
(R)

9. Reconnection After a Period of Non-Use

An interruptible customer who discontinues being a customer for a period of time but again becomes a customer within 12 months of the discontinue date, will be required to pay the Minimum Monthly Bill for the months the customer was not being served. In addition, the customer will pay a reconnection charge of \$30.00 during business hours or \$70.00 during non-business hours.

10. Cost of Facilities

The Company shall require, at its discretion, the installation and operation of equipment and other facilities to read remotely the customer's meter(s). Installation and operation shall include access to electric power, telephone lines or data transmission lines and customer property or other customer equipment when it is necessary to make the remote meter reading operational. The customer agrees to allow the Company to install and operate such equipment and the customer further agrees to pay the one-time equipment installation charge for such equipment. In addition, costs, if any, of providing electric power, telephone, or data transmission line service or customer access to the data shall be paid by the customer.

11. Transfer to Other Schedules

A customer may apply to transfer to any of the Company's system or transport rate schedules on November 1 of any year by providing the Company with written notice 12 months prior to the requested transfer. Approval of the requested transfer (on a first come first-served basis) shall be contingent upon the Company's ability to adequately adjust contractual commitments with its suppliers in order to maintain its planned reserve capacity.

The customer may transfer upon shorter notice if:

- (1) the transfer causes no incremental increase in the cost per therm of fixed gas costs for firm system customers, or
- (2) the customer agrees to pay all fixed gas costs in excess of the limitation in option 1.



NATURAL GAS GN-9

Small Electric Generation Transportation Service

1. Effective In

All areas served with natural gas by the Company.

2. Availability

The schedule is available to natural gas fueled electric generation facilities subject to the following conditions:

- a. Facility has a minimum of 15 megawatts of nameplate generation capacity.
- b. Facility requires a connected gas load of greater than 300 MCFH.

This schedule is not available for natural gas used in large gas fired boilers where the primary use of steam output is not used for electricity generation.

3. Gas Supply

This schedule is only eligible for transportation gas service.

4. Rates

- a. Customer Charge \$36.1598 per day
- b. Distribution Service Rate \$0.1076 (R)
- c. Applicable Flow Through Charges and Lost & Unaccounted for Gas Rate (See Sheet No. 21.11)

5. Minimum Monthly Bill

The Customer Charge per day for the billing period.

6. Kind of Gas

Natural gas as received from the pipeline.

7. Conditions

Service under this schedule is not available for resale.



Volume III, 8th Revision, Sheet No. 23.36
Amendment 865, Schedule GN-9.0

NATURAL GAS	GN-9	Small Electric Generation Transportation Service
-------------	------	--

8. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8.5.



Volume III, 4th Revision, Sheet No. 23.37
Amendment 865, Schedule

NATURAL GAS

(This page intentionally left blank)



Volume III, 3rd Revision, Sheet No. 23.38
Amendment 865, Schedule

(This page intentionally left blank)



Volume III, 8th Revision, Sheet No. 23.41
Amendment 865, Schedule GN-10.0

NATURAL GAS GN-10 Large Electric Generation Transportation Service

8. Unauthorized Takes of Natural Gas

Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties in Gr-8.5.



Volume III, 1st Revision, Sheet No. 23.42
Amendment 865, Schedule GN-10.0

NATURAL GAS GN-10 Large Electric Generation Transportation Service

(This page intentionally left blank)



Volume III, 1st Revision, Sheet No. 23.43
Amendment 865, Schedule GN-10.0

NATURAL GAS GN-10 Large Electric Generation Transportation Service

(This page intentionally left blank)



COMMODITY BALANCING SERVICE RIDER

GAS

1. Effective In

All areas served with natural gas by the Company.

2. Availability

This rider applies to customers served on the company's Transportation Service Rider, T-1. Customers may minimize or eliminate any charges under this tariff by enrolling in a pipeline balancing service. Requirements of this tariff are for monthly balancing and cashing out of the customer's gas usage. Refer to tariff DBS-1 for daily balancing requirements.

(R)

All customers shall designate a pooling agent as provided for in the Daily Balancing Service Tariff. The designated pooling agent shall be responsible for charges related to commodity balancing service and daily balancing service.

3. Determination and Notification of Imbalance

- a) The pooling agent shall endeavor to fully utilize in each monthly billing period all transportation quantities received by the Company on each pool's behalf. At the end of each billing period, any differences between the transportation quantities received and the pool's transportation gas delivered by the Company must be brought into balance. If the gas received by the Company exceeds the gas delivered to the pool during a billing period, the pooling agent shall be subject to the undertake provisions outlined hereunder. If the gas delivered to the pool exceeds the gas received by the Company, the pooling agent shall be subject to the overtake provisions outlined hereunder.
- b) An imbalance shall be deemed to exist if at the close of the monthly balancing period the quantity of metered usage by the pool differs from the pipelines' confirmed delivery quantity of gas delivered for the pool at the applicable city gate.
- c) Balancing periods - For purposes of this tariff, the primary balancing period shall be the Company's monthly billing period. The Company will calculate imbalance charges and payments based on the Company's data available at the end of the billing period.



COMMODITY BALANCING SERVICE RIDER

GAS

4. Balancing Sales - Exchange of Gas:

If in any billing period the pool's usage differs from the volume of natural gas delivered through the gate station to WP&L on behalf of the pool, a Balancing Sales credit or charge shall be applied to the pooling agent's bill. The credit or charge shall be calculated utilizing the Purchase Reference Price, Sheet No. 21.11, which is filed with the commission by the fifth day of the month immediately following the billing period. Balancing Sales charges shall also include the Interruptible Gas Supply Acquisition Rate as listed on Sheet No. 21.10 regardless of the customer's class of service.

5. Conditions of Service

- a) Gas obtained hereunder shall not be resold.
- b) The total quantity of gas available to a customer and pool per year, per month, per day, or per hour is limited to:
 - i) The quantity obtainable from a pipeline company for delivery as controlled by contractual or tariff provisions regulating the delivery and sale of wholesale gas by the pipeline company to the distributing utility.
 - ii) The quantity available for delivery from time-to-time at the option and according to the judgment of the Company.

6. Purchase Reference Price Calculation and Application

A. Purchase Reference Price Supply Area Definitions

Several supply area prices are compared for the calculation of the Overtake Monthly Balancing Fee and the Undertake Monthly Balancing Fee as further described in the sections below. The descriptions of the components to be used is defined as follows:

Supply Area	Index Designation (1)	Pipeline	Receipt Segment	Delivery Segment
SW	Oklahoma – ANR	ANR	Southwest Area (SW)	Northern (ML-7)
Joliet Hub	City gates – Chicago – LDC's Large e-user	ANR	Northern (ML-7)	Northern (ML-7)
NNG – Vent	Others – Northern (Ventura)	NNG	Market MID17	Market MID17
NNG – Demarc	Others – Northern (Demarc)	NNG	Market MID16B	Market MID17

(1) Gas Daily, Weekly Weighted Average Prices index identifier. In the event index changes or becomes unavailable, an industry accepted equivalent will be substituted.

(M)

(M)

(D)

(M)



COMMODITY BALANCING SERVICE RIDER		GAS
B.	Overtake Purchase Reference Price Calculation	(M)
	<p>The simple average of the two highest calculated prices of the defined supply areas. Each price is calculated as follows: the average of the high prices in the <i>Gas Daily</i>, Weekly Weighted Average Price (of each week having 4 or more days in the billing month), reported for the Index Designation, plus the appropriate pipeline's interruptible rate schedule transportation costs and surcharges and equivalent fuel costs from the pipeline's receipt segment to the pipeline's delivery segment, plus the effective Gas Supply Acquisition Rate.</p>	(D) (M)
C.	Undertake Purchase Reference Price Calculation	(M)
	<p>The simple average of the two lowest calculated prices of the defined supply areas. Each price is calculated as follows: the average of the low prices in the <i>Gas Daily</i>, Weekly Weighted Average Price (of each week having 4 or more days in the billing month), reported for the Index Designation, plus the appropriate pipeline's interruptible rate schedule transportation costs and surcharges and equivalent fuel costs from the pipeline's receipt segment to the pipeline's delivery segment.</p>	(D) (M)



Volume III, 3rd Revision, Sheet No. 23.63
Amendment 715

GAS

(This page intentionally left blank)



Volume III, 3rd Revision, Sheet No. 23.64
Amendment 715

COMMODITY BALANCING SERVICE RIDER

GAS

(This page intentionally left blank)



ANR HOURLY OPERATIONAL FLOW ORDER RIDER (Experimental)

GAS

1. Effective In

All areas served with natural gas by the Company and ANR Pipeline. This rider will remain in effect on an experimental basis until otherwise determined by the Public Service Commission of Wisconsin.

2. Applicability

This rider applies to all customers served on the Company's Transportation Service and Commodity and Daily Balancing Service Riders that also take service from ANR Pipeline.

3. Hourly Take Restrictions Resulting from ANR Operational Flow Orders

The Company may implement hourly take restrictions at individual city gate stations. Hourly take restrictions will only be implemented when the Company is notified by ANR Pipeline that it is enacting an hourly Operational Flow Order (OFO). Under an ANR pipeline OFO, the city gate station and the maximum allowable hourly take shall be those specified in the ANR contracts utilized on behalf of end-users. The pooling agent is responsible for ensuring that its end-users comply. The pooling agent is also responsible for any costs and penalties that may be charged as a result of its end-users' actions during an OFO.

4. Gate Station Assignment

If a specific gate station is not designated as the delivery point in an end-user's contract with ANR, the applicable gate station shall be designated by the Company. Company designated gate stations may be modified at the Company's sole discretion. Customers will be notified of changes to gate station assignments not less than 8 months prior to November 1 of each year. Changes to gate station assignments may be made with shorter notice if agreed to in writing by the Company and the customer.

5. Notification

The Company will notify pooling agents of an ANR hourly OFO on a best-efforts basis.

6. Penalties

Only the OFO penalties actually incurred by the Company from ANR Pipeline will be assessed to either system or transportation customers depending upon causation. Assessed penalties and costs incurred will be allocated to pooling agents based on the quotient of:

- a) Pooling agent's deliveries in excess of hourly take rights on ANR;
- b) The total of all deliveries in excess of hour take rights on ANR

In the event that OFO penalties are incurred by pooling agents, the Company will provide the relevant billing information and determinants. The Company will also submit a report to the PSCW within 30 days after it bills OFO penalties.



DAILY BALANCING SERVICE RIDER

GAS

1. Effective In

All areas served with natural gas by the company.

2. Availability

This rider applies to all customers served on the company's Transportation Service Rider. Customers may minimize or eliminate any charges under this tariff by enrolling in a pipeline balancing service. Requirements of this tariff are for daily balancing of the customer's gas usage. Refer to tariff CBS-1 for monthly balancing requirements.

The customer or pooling agent shall have three options for participating in the company's Daily Balancing Service. First, the customer may designate a third party pooling agent who shall be responsible for daily balancing service requirements. Second, the customer may designate himself to act as a pooling agent, in which case the customer shall be responsible for daily balancing service requirements. Third, if the customer designates neither a third party nor himself to act as a pooling agent, the customer shall be designated as the pooling agent for daily balancing service requirements, except that the company will aggregate customer imbalances within a delivery area for the purpose of determining daily imbalances. The pool of customers the company aggregates will consist of only those customers who have not elected service under the first or second options listed above.

The designated pooling agent (or customer acting as their own pooling agent) shall be responsible for charges related to the commodity balancing service and daily balancing service.

The customer or pooling agent must maintain his account in good standing to receive service under this rider.

3. Nominations of Daily Deliveries

GISB (Gas Industry Standards Board) standards allow for three intraday nominations on interstate pipelines: 6:00 P.M. the day before the gas day (Evening Intraday); 10:00 A.M. the day of the gas day (Intraday 1); and 5:00 P.M. the day of the gas day (Intraday 2).

(D)

A valid nomination requires that the downstream contract field contains the marketer's WP&L six-digit account number in order to properly identify the owner of this gas. Any deliveries that do not contain this information can be considered invalid.

Under any event where the Company deems it necessary in order to maintain system reliability, customers may be required to deliver gas to their Company assigned gate stations. Under such conditions, deliveries made by or on behalf of customers to other than the assigned gate stations will be considered invalid.

(N)

(N)



DAILY BALANCING SERVICE RIDER

GAS

If the nominated quantity of gas to be delivered to the city gate is 0 (zero) therms or no nomination is in place for the gas day, and there is metered gas usage during the balancing period, the customer or pooling agent will be charged the Tier 2 daily balancing rate and a penalty of \$0.20 per over-take therm. In addition to these charges, if such usage results in any cost increases or penalties, the customer or pooling agent will be responsible for these costs.

(R)

4. Best-Efforts Daily Backup Gas Availability

(R)

If the company is able to provide gas to the customer or pooling agent on a best-efforts basis, the currently effective Annual Demand rate and Weighted Commodity Price of Gas as shown on Sheet No. 21.11 of this tariff shall be applied to each therm made available to the customer or pool. The applicable Gas Supply Acquisition Rate and Flow-Through Adder shall also apply. Best-Efforts Daily Backup Gas will be made available only if the company and its customers are held harmless.

The company will accept changes to the customer's or pooling agent's confirmed delivery volume and provide Daily Backup Gas on a best-efforts basis only. The customer or pooling agent may utilize Daily Backup Gas to supplement the customer's or pool's flowing gas, or as a sole source of supply. In no case will the Company, either prospectively or retrospectively, procure backup gas for a customer or pooling agent for the sole purpose of enabling the customer or pool to avoid the end-block charges (< 75% and > 125%) listed below.

If the request can be accommodated, the deliveries used for determining daily imbalances will be the sum of the customer's or pooling agent's confirmed pipeline deliveries plus the best-efforts gas nominated by the customer or pooling agent and made available by the company. The Daily Balancing Fee shall be calculated by applying the Effective Block Balancing Service Charge for the Daily Imbalance Percentage to the Block Daily Imbalance Volume as described below in Section 7.

All charges related to this service, including commodity charges, will be billed to the pooling agent. If the pooling agent does not keep his or her account current, continuing ability to take service under this rider will be curtailed.

The pooling agent must request and be granted Best-Efforts Daily Backup Gas, or else the Default Balancing provisions in the following section shall apply to the customer's or pool's use.

5. Default Balancing

Pooling agents who are utilizing third party daily balancing service such as ANR Pipeline's Market Balancing Service which has been interrupted or curtailed may request short-term use of the company's daily balancing service. The company shall provide balancing service to the requesting customer or pooling agent if granting the request



DAILY BALANCING SERVICE RIDER

GAS

will not create conditions which would impel the company to call a High Flow or Low Flow Constraint Day for the balancing period requested. Said service shall be provided at the Maximum Balancing Service Per Therm rate provided in Section 7. The basis for determining the default Block Daily Imbalance Percentage shall be confirmed pipeline deliveries of the customer or pooling agent.

If a delivery constraint is in effect for the balancing period requested, the pooling agent shall be responsible for Unauthorized Use charges as described in Sections 8 and 9 below; such delivery constraints include High Flow, Point Specific or Low Flow constraints. The Company shall be under no obligation to contact the customer or his pooling agent regarding supply constraint days if the pooling agent has not contacted the company to request Default Balancing. The basis for determining the Unauthorized Use will be confirmed pipeline deliveries of the pooling agent.

6. Use of Gas During the Balancing Period

The customer or his pooling agent is expected to take a daily volume of gas equal to daily deliveries made on the customer's behalf at the city gate station. The total quantity of gas available to a customer or his pooling agent on a daily or hourly basis may be limited by the company to the quantity allowable under provisions of contractual or tariff provisions between the company and the interstate pipeline company serving each city gate station.

7. Daily Balancing Fee - Imbalance Charge

An imbalance shall be deemed to exist if at the close of the gas day the quantity of metered usage by the pooling agent's end-users differs from the pipeline's confirmed quantity of gas delivered to the pooling agent's accounts at the applicable city gate(s).

(R)

For each gas day, a Daily Imbalance Percentage shall be calculated for each pool. The Daily Imbalance Percentage is calculated by dividing each pool's actual usage for the gas day by the pool's confirmed deliveries (plus best-efforts daily gas backup nominations, if applicable) for the gas day at the applicable city gate(s). If the Daily Imbalance Percentage is less than 75 % or greater than 125 %, the Daily Imbalance Percentage shall be split into Tier 1 and Tier 2 Billing Units. Rates that apply to daily balancing are calculated in the monthly GCRM and are shown on Sheet 21.11.

(R)



DAILY BALANCING SERVICE RIDER

GAS

Daily Billing Units are reduced for those pools which include customers taking FT-1 backup service under the T-1 Transportation Rider (see the rider for details). (R)

For the pool of customers who have not designated any pooling agent, the company will allocate the second tier daily pool imbalance costs pro rata only to the individual customers whose Daily Imbalance Percentage is < 75 % or > 125 %, regardless of whether the individual customer's imbalance is in the overall direction of the pool. (R)

8. High Flow and Point Specific Constraint Balancing Delivery Restrictions

High Flow and Point Specific constraints are gas delivery restraints that may be called by the Company from time to time. During a High Flow constraint, the total gas volumes consumed by end-users may not be in excess of the sum of confirmed deliveries on behalf of the customer(s). Pooling agents may aggregate end-user deliveries under a High Flow constraint in accordance with Section 10 of this rider, however, aggregation of end-user deliveries may be suspended in the event of a Point Specific constraint at the delivery points impacted.

During a Point Specific constraint, delivery restrictions are called at specific pipeline gate stations. A Point Specific constraint may be called singularly or concurrently with other delivery restrictions. If a Point Specific constraint is issued by the Company, impacted customers are required to schedule and deliver gas according to their Company assigned gate station, and pooling agent aggregation of end-user deliveries is suspended. Pooling agents may continue to aggregate customer usage that is not included in the Point Specific Constraint as specified in section 10 of this rider.

The pooling agent is responsible for ensuring that its transportation customers, either as a group or individually, comply with the High Flow and Point Specific constraint requirements. Therefore, the pooling agent is responsible for any High Flow and Point Specific Constraint penalties which may be charged as a result of their transportation customer's actions. Additionally, daily balancing fee - imbalance charges will apply to all deliveries that exceed gas volumes consumed by end-users under both High Flow and Point Specific constraints. Balancing charges shall be waived if the Company has pre-arranged with the pooling agent or customer for customer to use alternate fuel to hold gas supply available for Company use.

A. Notification

1) Customer and Pooling Agent Notification

The Company shall notify customers and pooling agents prior to the beginning of the gas day of potential balancing service restrictions for the day. The Company will give as much advance notice as possible, normally not less than two hours. The Company will begin its notification process with the pooling agent, and the pooling agent is responsible for ensuring that its end-users, individually or as a group, comply with the constraint day requirements according to the type of constraint issued. In the event of a Point Specific Constraint, customers and pooling agents will be notified of the pipeline gates stations that are subject to such a constraint.



DAILY BALANCING SERVICE RIDER

GAS

2) Regulatory Reporting

(N)

The Company shall file a written report of the suspension of end-user aggregation to the Public Service Commission with 30 days of each occurrence.

3) Notice of Changes to Gate Station Assignments

The Company will notify customers of changes to their gate station assignments eight months prior to November 1 of each year.

(N)

B. Penalties

The total gas volumes consumed by end-users in excess of confirmed deliveries plus any applicable FT-1 nominated levels of Maximum Daily Delivery shall be subject to Unauthorized Use of Gas Penalties according to the type of constraint issued. Under a High Flow constraint, the gas volumes consumed by the pooling agent's aggregated group of end-users in excess of firm deliveries are subject to unauthorized use penalties. Aggregation of end-user deliveries is in accordance with Section 10 of this rider. Under a Point Specific constraint, the gas volumes consumed in excess of the customer's gate station contracted amounts are subject to Unauthorized Use of Gas Penalties. The pooling agent is responsible for any High Flow and Point Specific Constraint penalties which may be charged as a result of their end user's actions.

(R)

(R)

9. Low Flow Constraint Day Balancing

(M)

The company shall notify all pooling agents at least 23 hours prior to the beginning of the gas day of a low flow constraint day. Beginning at the start of the low flow constraint day, and continuing until further notice by the company, the pooling agent is responsible for ensuring that his end-users, as a group, comply with the low flow constraint day requirements. Therefore, the pooling agent is responsible for any low flow constraint day cash out and penalties which may be charged as a result of the pooling agent's end-users' actions.

In the event the company has notified pooling agents of a low flow constraint day, the total confirmed gas volumes delivered for the Pooling Agent's pool in excess of the gas consumed during the low flow constraint day by members of the pool shall be cashed out as described in Sec. 9 Low Flow Underused Payments and Charges in Gr-8.

(M)



DAILY BALANCING SERVICE RIDER

GAS

10. Aggregation

(M)

The company has collapsed the three former ANR delivery zones into a single localized delivery area, thereby eliminating the basis for Aggregation Charges previously charged for aggregating some ANR gates. A pooling agent may aggregate transportation usage at the pooling agent level by localized delivery area in order to minimize the Daily Imbalance Percentage. The company's localized delivery areas include all company-owned distribution behind the following groups of city gates:

1. All ANR Gates (Manawa, Amherst, Marion, Iola, Fond du Lac, South Fond du Lac, Berlin, Campbellsport, Randolph, McFarland, Stoughton, Indianford, Edgerton, Janesville, South Janesville, Emerald Grove, Beloit, North Beloit, (Excludes Central Fond du Lac))
2. All Northern Natural Gates Except Janesville-Beloit (NN POI 25979)
3. ANR/NN Janesville-Beloit (ANR Janesville, South Janesville, Emerald Grove, Beloit, North Beloit plus NN POI 25979)

Localized delivery area 2. may not be aggregated with localized delivery areas 1. or 3. Localized delivery areas 1. and 3. may be aggregated if pool deliveries through NN POI 25979 do not exceed the daily consumption of pool members connected to the company's distribution system behind NN POI 25979 and the ANR Gates located at Janesville, South Janesville, Emerald Grove, Beloit and North Beloit.

11. Pooling Agent Access to Pool Daily Usage Information

A pooling agent who has fulfilled the "Pooling Agent Requirements" stated in the company's transportation riders shall be provided access to current daily usage information for all customers in a common pool. Said information shall be consolidated in a single electronic file.

(M)



DAILY BALANCING SERVICE RIDER

GAS

Pooling agent access to customer daily usage information shall be conditioned upon written customer authorization of release of usage information by the company to the pooling agent and the execution of an electronic bulletin board access agreement by the company and the pooling agent. Said authorization must be received by the company before access to current customer daily usage information is granted. There shall be no charge for customer or pooling agent access of current daily usage information.

(M)

12. Volume Determination

The company will utilize the information available through its telemetering equipment to determine a customer's gas usage on any given day. On such days when the telemetering unit fails to operate properly, the company will estimate the customer's usage based on historical usage during similar periods, or, if available, will use a meter read taken by the customer or the company at the beginning and end of the gas day.

The customer is limited to no more than one pooling agent on any gas day. The same pooling agent delivering gas on two separate pipelines for the same customer is considered to be two pooling agents for the purposes of this provision.

A pooling agent may obtain city gate-delivered gas supply for each individual pool by means of broker-to-broker transaction. Under this option, the pooling agent shall be charged a fee of \$30.00 per month for each pipeline contract that is shared between two or more brokers or pooling agents.

13. Customer Selection of Non-Company Balancing Services

Customers electing to obtain balancing services from providers other than the company must designate such election to the company according to the timing guidelines described below for "Customer Selection of Pooling Agent". The customer's designation shall remain in effect for the entire calendar month and subsequent calendar months until superceded by action of the customer or pooling agent. Customers may not change their election mid-month. However, customers may utilize the company's default balancing service per the terms and conditions listed in the "Default Balancing" section above.

14. Customer Selection of Pooling Agent

Each customer must designate whether the customer is acting as pooling agent or is designating a third party to act as pooling agent, and if so, who the designated pooling agent is. To do so, the customer must complete a Pooling Agent Designation form and provide it to the company by the start of business (7:45 a.m.) of the day that the respective pipeline's nominations are due for the first gas day of the upcoming calendar month. The customer's designation shall remain in effect for the entire calendar month and subsequent calendar months until superceded by action of the customer or Pooling Agent as described below in this and the following section.

(M)



DAILY BALANCING SERVICE RIDER

GAS

The customer may designate a replacement pooling agent to be effective during the current calendar month provided: a) the company has been provided a copy of the customer's letter terminating service with the original pooling agent, b) the customer has completed and provided to the company a new Pooling Agent Designation form and c) the replacement pooling agent has provided all necessary forms and nomination information required by the company no less than 28 hours in advance of the first gas day affected by the change. Such a change may be made no more than one time per calendar month and no more than three times per rolling twelve month period and may not be made to be effective during the last five gas days of the calendar month.

(M)

15. Notification of Termination of Gas Service by Pooling Agent

Upon receipt of a fax notice during the company' business hours (Monday – Friday between 7:45 a.m. - 5:00 p.m., excluding holidays) addressed to Wisconsin Power & Light Company, from a pooling agent stating that the pooling agent will no longer be providing gas supplies for a specific customer, the company shall proceed as follows:

- A. The fax must also provide a copy of the letter to the customer informing the customer that service is being terminated by the pooling agent.
- B. The notice must be faxed to the General Manager, Gas Trading at 608-458-3130.
- C. Notices received during non-business hours will be received as of 7:45 a.m. on the next regular business day.
- D. The company will effectuate the pooling agent's request for termination at the start of the gas day on the third business day following the business day the notice is received, or at a later date if so indicated by the notice.
- E. The customer will remain as a transportation service customer, subject to terms and conditions of return to system sales found in these tariffs. If the customer does not timely execute a Pooling Agent Designation form indicating a new pooling agent, the customer shall assume the role of pooling agent, including all rights and responsibilities.

16. Selective Pooling Agent Constraints

- A. The company has the ability to selectively impose a High Flow Constraint Day on individual pooling agents, provided the following conditions are met:
 - 1. the current price reported in *Gas Daily* for any delivery point utilized for setting the month's Purchase Reference Price is at least 10 % higher than the same delivery point's price used for setting the month's PRP, and
 - 2. the company has independently verifiable information which leads it to conclude an underdelivery by the pooling agent of 10 % or greater may occur, and

(R)

(M)



DAILY BALANCING SERVICE RIDER

GAS

-
- 3. the company notifies the pooling agent of a selective constraint day under the same terms and conditions which govern notice to pooling agents for non-selective constraint days, and (M)

 - 4. the company provides a report of all selective constraints to the Public service Commission within 30 days of each selective constraint which includes the date of the selective constraint, the name of the pooling agent subject to the constraint, and the reason for calling the constraint. The report shall include an explanation of why a selective constraint was not imposed on the company's marketing affiliate(s), if such is the case. Records documenting the company's actions with respect to calling selective constraints shall be retained for at least three years after the end of the constraint period.
- B. Pooling agents notified of a selective constraint day are eligible for Best-Efforts Daily Backup Gas under the same terms and conditions which govern availability to pooling agents for non-selective constraint days. (M)



CONTRACTED SERVICE RATE

GAS

1. Effective In

All areas served with natural gas by the Company.

2. Availability

Service under this schedule is available to any individual customer:

- a. Whose average annual requirements are not less than 200,000 therms of gas.
- b. Who has substitute natural gas services available that can be economically accomplished.
- c. Who has cooperated with the Company in creating an economic analysis which demonstrates a bona fide ability to obtain substitute natural gas service. The evaluation will be submitted through the Company to the Public Service commission of Wisconsin (PSCW).
- d. Who has contracted for a rate structure and rate level with the company that will be filed with the PSCW.
- e. Who is willing to abide by all terms of the Company's appropriate gas service schedules and riders except where modified by this tariff or by contract.

3. Rate

The structure and the level of the rate paid by the customer shall be specified in the contract executed by the customer and Company and filed with the PSCW.

The contracted rate, at a minimum, must exceed all short-run variable costs of serving the customer plus long-run replacement costs of plant which can be identified as serving the individual customer. In addition, the contracted rate must be compensatory in regard to making a contribution towards long-run incremental costs of operating and maintaining the entire gas system.

4. Special Rules

- a. Service under this schedule requires a written contract between the company and the customer. Said contract must be filed (under rules of confidentiality) with the PSCW within 20 days of execution. Any amendments to the executed contract must also be filed (under rules of confidentiality) with the PSCW within 20 days of execution. Any amendments to the executed contract must also be filed (under rules of confidentiality) with the PSCW within 20 days of execution.
- b. The contract period shall be as negotiated between the company and the customer. Any contract which is entered into, renewed, or extended or modified after June 30, 1996, may be subject to rescission, conditioned upon regulatory and legislative actions.
- c. Gas service is subject to curtailment under certain conditions. If a customer does not fully comply with a notice to cease using natural gas, the customer will be subject to the unauthorized use penalties described in Gr-8.

(N)
|
(N)



MISCELLANEOUS RULES

GAS

1. Measurement of Gas

The standard unit of measurement is that quantity of gas which occupies one cubic foot under the pressure and temperature conditions existing at the meter, unless that pressure exceeds the base pressure defined below, or unless that temperature is such as to cause material inaccuracies in measurement. In the event gas is measured at a pressure in excess of base pressure, the meter registration of the volume of gas passed will be converted, by means of suitable devices attached to the meter, to cubic feet at a pressure of 7" of water above local atmospheric pressure of 28.92 inches of mercury. In the event temperature conditions cause material inaccuracies, meter registration will be converted to cubic feet at 60 degrees Fahrenheit by means of suitable devices attached to the meter. (R)

2. Point of Delivery

Unless otherwise provided by written agreement, ownership of gas shall pass from the utilities to the customer at the outlet of the utility's meter measuring the delivery of such gas, or at the outlet of the regulator where metering is at a pressure above base pressure and the utility furnishes a regulator at the meter outlet.

3. Delivery Pressure of Gas

Ordinarily, gas is delivered to customers at base pressure which is defined as (a) the pressure available from the mains where gas is supplied from mains normally operated at a pressure of not to exceed 12" of water above local atmospheric pressure, or (b) a pressure of approximately 6" of water above local atmospheric pressure where gas is supplied from mains normally operated at a pressure in excess of 12".

Where the customer's maximum hourly use of gas exceeds 1500 cubic feet and delivery is from a main normally operating at a pressure above base pressure, the customer and the utility may agree that delivery shall be at such pressure as from time to time shall be available from the main, but not to exceed a specified maximum pressure. Such agreement shall be in writing, shall run from year to year, and shall be subject to cancellation at the end of any contract year at the option of either party.

If a customer requires gas at a higher pressure than that available according to the terms of this schedule, the customer shall supply compression at his own expense.



Volume III, Original, Sheet No. 24.10
Amendment 433, Schedule Gr-2

RULES GOVERNING THE PROCESSING
OF GAS SPACE HEATING APPLICATIONS

GAS

DEFINITION OF SPACE-HEATING CUSTOMER

A space-heating customer is defined as one using one or more pieces of gas-fired equipment for the purpose of raising atmospheric temperature in any structure and intended, because of its or their size, type, or location or number, to heat more than one room, to heat a room having more than 400 square feet of floor space, or gas space-heating equipment having a total manufacturers' output rating of more than 30,000 BTU per hour.



INSPECTION OF CUSTOMER'S GAS APPLIANCES

GAS

Inspection of customer's gas burning appliances will be made whenever the Company is required to enter a customer's premise to reestablish service to the appliance due to nonemergency interruption of service in accordance with PSC 134.10(3)(c). The inspections consist of checking burners and pilots as well as the condition of controls and safety devices for proper operation and observation to the extent practicable

- Company inspection is limited to conventional gas-consuming equipment, such as cooking appliances, water heating equipment, clothes dryers, gas fireplaces and gas space heating equipment.
- The Company will not perform inspections of industrial or commercial processing equipment.
- Customers will be notified as to any improper or unsafe conditions that may be observed during the inspection.
- This inspection policy is solely for the benefit of customers and the Company assumes no liability for the condition of any appliances, piping or equipment beyond the outlet side of its meters or for any resulting injury or damages.



RESIDENTIAL SPACE HEATING CONSERVATION STANDARDS

GAS

(Rider Applicable to Schedule Gg-1)

1. General

The Public Service Commission has set construction standards to be met by all existing structures before any new use of natural gas for space heating can be provided by the company.

2. Definitions and Conditions

- a. The phrase “existing residential structures converting to gas space heating service” shall apply to any new space heating use in an existing building whether or not the location is already a natural gas customer.
- b. Temporary exemptions from the requirements, such as caulking, may be allowed by the utility if weather, material availability, or other factors make compliance with certain provisions of these standards physically impractical. The company must return to the location to inspect that all standards are met after the period of temporary service has expired.
- c. Noncompliance with any of these provisions by any gas consumer will be grounds for disconnection of service under ss. PSC 134.062(1)(e) and 134.062(1)(g) and/or s. PSC 136.10. (R)

3. Energy Audit Requirement

Before natural gas service is rendered to an existing residential structure converting to natural gas space heating service, the company shall make and provide the owner of the structure with a complete energy audit.

4. Construction Standards

Before the company will render natural gas service to existing residential structures converting to gas space heating service, the following construction standards shall be met:

- a. Ceiling or attic insulation: If a structure has insulating material with insulation value less than R-19, the customer must install insulation to a level of R-38. If insulation materials equal to a level of R-38 cannot be installed because of inadequate space between the ceiling and the roof, then as much insulation as space permits must be installed. Exception: If the structure has existing insulation material with a value of R-11 or more and the customer is installing bat insulation, the customer need only install additional insulation material with a value of R-19.



RESIDENTIAL SPACE HEATING CONSERVATION STANDARDS

GAS

(Rider Applicable to Schedule Gg-1)

- b. Still box area insulation shall be installed to a level of R-19 unless physically impractical.
- c. Floor insulation over vented crawl spaces or unheated basements shall reach a level of R-19. In a heated crawl space, insulation materials with an R factor of at least 5 shall be installed on the walls.
- d. In unheated areas, insulation shall be installed on all heating ducts, cold air returns, and hot water pipes.
- e. Windows shall be double-glazed or have storms.
- f. All doors exposed to the outside atmosphere shall have a storm door or equivalent insulated door.
- g. Weather stripping shall be installed on all movable doors and windows exposed to an unheated space. Caulking shall be installed whenever two different materials or parts of a structure meet such as between walls and foundations; between walls and floors; and all other openings in the exterior building envelope.
- h. If a new central heating unit is to be installed, the equipment must meet the energy efficiency requirements of IND 22.13, Wis. Adm. Code, which are as follows:

Combustion space heating equipment shall be provided with electronic ignition and automatic flue dampering, except sealed combustion equipment or equipment located in enclosures and provided with combustion air need not be provided with flue dampering.
 - 1) All conversion burners may be installed without electronic ignition until July 1, 1981. An automatic vent damper is still required on all installations.
 - 2) The electronic ignition and automatic vent damper requirement does not apply to home heating equipment other than furnaces or boilers, such as unit heaters.
- i. Ventilation above the ceiling/attic insulation shall be installed. The free venting area shall be at least 1/300 of the horizontal area.



Volume III, Original, Sheet No. 24.14
Amendment 433, Schedule Gr-4.2

RESIDENTIAL SPACE HEATING CONSERVATION STANDARDS

GAS

(Rider Applicable to Schedule Gg-1)

- j. If a structure is unable to meet all required standards, other methods of energy conservation may be substituted such that the energy savings will be the same or greater. This substitution must be based on heat loss calculations performed in a normally accepted manner. Such substitutions may include, but are not limited to the following:
- 1) Furnace modifications as suggested by the utility; or
 - 2) Insulation materials equal to R-5 on the inside walls of a heated basement.



COMMERCIAL AND INDUSTRIAL
SPACE HEATING CONSERVATION STANDARDS

NATURAL GAS

(Rider Applicable to Schedules GC-1F, GC-2F, GC-3F/I, GC-4F/I, GC-5F/I)

1. General

The Public Service Commission has set construction standards are to be met by all existing structures before any new use of natural gas for space heating can be provided by the company.

2. Definitions and Conditions

a. The phrase "natural gas service for new commercial and industrial space heating use" shall apply to any new space heating use in an existing building whether or not the location is already a natural gas customer.

b. Noncompliance with these provisions by any gas consumer will be grounds for disconnection of service under s. PSC 134.0622(2)(e) and/or s. PSC 134.0622(2)(g).

(R)

3. Construction Standards

The company will provide natural gas service for new commercial and industrial space heating use in a building constructed before July 1, 1978 only if the building meets the following requirements:

- a. Design heat loss, excluding infiltration and ventilation through above-grade gross walls and roofs facing heated interiors shall not exceed 13 BTU per hour per square foot for the total building envelope:
- b. If a building exceeds the heat loss of (a) above, the building may receive gas service provided that it demonstrates additional innovative building or system designs that will reduce fuel consumption to a level equal to or less than the fuel consumption which results from complying with (a) above;
- c. All exterior windows and doors shall be designed to limit leakage into or from the building and shall be weather stripped; and
- d. Special use buildings such as greenhouses, inflatable structures, and the like, or any building exempt from the heating and ventilating requirements of Chapter IND 63, Wis. Adm. Code, are exempt from these requirements.



GAS EXTENSION RULES

NATURAL GAS

1. DEFINITIONS

A. Service Lateral

Service lateral is defined as that portion of the Company's natural gas piping and related facilities extending from the Company's gas mains to the point of connection with the customer's service facilities. The service lateral is normally located on private property and is intended primarily to provide service to a single customer.

B. Gas Main

Gas main is defined as that portion of the Company's natural gas piping and related facilities which are intended to provide service to more than a single customer. Such piping is normally located in public streets and their right-of-way or adjacent to property lines.

2. CHARGE FOR SERVICE LATERAL

The utility will install, own and maintain a service lateral leading from the gas main at a point selected by the utility to the meter location. That meter location will be selected by the Company after consulting with the customer.

Where an adequate service lateral has been provided on the main for serving the premises, such lateral shall be used.

The customer grants an easement to the utility for said lateral and the right to enter upon the premises and excavate trenches as may be necessary to install the pipe and keep it in repair. The service lateral will be laid in a trench separate from and, if practical, without crossing other pipes, cables or conduits. Where the service lateral must cross customer owned underground facilities, the customer shall locate such facilities (i.e., sprinkler system, drain fields, etc.) prior to construction.

A. Residential

The Company will install a service lateral and meter to serve a new customer without cost to the customer provided the meter is located at a point selected by the Company after consulting with the customer and the service lateral does not exceed 100 feet from the customer's property line nearest the main. (R)

For residential service laterals exceeding the free limit, a nonrefundable contribution will be based on the service length in excess of the free limit times the incremental service length charge. Current excess service lateral charges are found on Sheet No. 24.34.



GAS EXTENSION RULES

NATURAL GAS

B. Commercial/Industrial

The Company will install a service lateral and meter to serve a new customer without cost to the customer provided the meter is located at a point selected by the Company after consulting with the customer and the service lateral does not exceed 100 feet from the customer's property line nearest the main. For service laterals exceeding the free limit, a nonrefundable contribution will be based on the service length in excess of the free limit times the incremental service length charge

(R)

Main construction allowances will be determined on an individual basis. If main construction costs exceed the calculated allowance, the customer will make refundable contribution for the cost of main in excess of the allowance.

C. Meter Location

The meter location shall be selected by the Company, after consulting the customer. If the customer, strictly for convenience, wishes the meter located further from the main the Company may require a nonrefundable contribution, based on the per foot charges on Sheet No. 24.34.

D. Payment of Nonrefundable Service Lateral Charges

Customers with service laterals requiring nonrefundable contributions may make payment according to one of the following:

- (1) Prior to the start of construction.
- (2) In platted subdivisions with existing mains, and without permit or lateral routing limitations, the customer may make a single payment following billing by mail. Payment need not be received prior to construction. This option shall be conditioned upon the customer having a satisfactory credit rating.
- (3) Nonrefundable contributions for service laterals exceeding \$300 may be paid in 12 equal monthly installments subject to a satisfactory credit rating.

Customers will not be billed for excess service extension costs less than \$20.00.

3. MAIN EXTENSIONS

A. Individual Requests for Gas Main (One Year Rule)

(1) Application

Prospective customers currently without natural gas service may request such service by submitting a written application to the Company. The Company shall investigate the possibility of installing gas main to the customer and shall make an estimate of the costs involved. See Sheet No. 24.34 for current main construction costs.

(2) Allowances

Each customer shall receive a construction allowance based on meter and service costs, and projected marginal revenue.

a) Residential Customers

- Space heating Sheet No. 24.34
- Non space heating Sheet No. 24.34



GAS EXTENSION RULES

NATURAL GAS

b) Firm Commercial Customers

Allowance for main shall be based on the customer's estimated annual revenue using the following formula:

$$\text{Allowance} = \frac{\$(U \times M)}{I} \quad (R)$$

Where:

U = Estimated long term annual use in therms. (R)

M = Applicable margin per therm. (R)

I = Current authorized rate of return. (R)

c) Interruptible Service

Allowance for main shall be calculated in the same manner as firm commercial & industrial customers. However, assumed average usage shall reflect the permanence and likelihood of alternate fuel use based on the Company's analysis of the applicant's load.

See sheet No. 24.34 for current authorized rate of return.

(3) Customer Contributions

A contribution shall be required if the estimated construction cost of main exceeds the main allowance(s) for the customer(s) requesting the extension. This payment is due as a single payment before installation of a meter. However, if a residential customer's contribution for main exceeds \$300.00, the customer, with the approval of the Company, may elect to make a single payment before construction begins or agree to pay the contribution in twelve (12) equal installments, including a finance charge based on the Company's current weighted cost of capital. These installments shall be billed with the utility bill and be payable on the same date as the utility bill. All contributions shall be refundable in accordance with Section II of this schedule



GAS EXTENSION RULES

NATURAL GAS

(4) Reapportionment and Refunds of Contributions
See Section 11 for rules.

(5) Obligation to Pay Contribution for Main
If there is a change in the customer account at a gas service location before the twelve-monthly installments have been paid in full, the obligation to pay these monthly installments shall transfer to the customer in whose name gas service is being provided. Termination of the refund period of a specific gas extension shall end the obligation to pay the monthly installment charges relating to the customer contribution.

B. Extension to More than One Customer
(Joint Requests/Economic Analysis)

The Company may consider requests for gas service requiring main extensions which are received concurrently from a number of prospective customers as one joint request. Joint requests of a significant size will be evaluated using engineering estimates of costs for the specific project. Extensions to developments are addressed separately in section 3.C.

(1) Economic Analysis
For projects of significant size and/or where future growth is anticipated, the Company may perform an economic analysis. This analysis will consider load and customer growth, incremental costs, and engineering costs specific to the project. The analysis will determine what, if any, additional funds are necessary in order to construct the requested extension.

The Company will install a service lateral and meter without cost to each customer included in the project provided the meter is located at a point selected by the Company that does not exceed 100 feet from the customer property line to the nearest main. Costs for service over 100 feet are the customer's responsibility. (R)
(R)

(2) Obligation to Serve
If the project passes the economic analysis without additional funds, the Company is obligated to service the customers and will endeavor to install natural gas facilities in a timely manner consistent with minimizing the cost of facilities.



GAS EXTENSION RULES

NATURAL GAS

3) Method of Payment.

If the economic analysis determines additional funds are required, a flat monthly or per therm surcharge will be added to each customer's bill. Gas main extensions will be billed for a period of no more than 60 months. The per therm surcharge will be multiplied by therms billed per month. All surcharges will be calculated for the economic analysis to meet the provisions for approval as established by the Company. (R)

a) Obligation to Serve

If the customers agree to the surcharge described above, the Company is obligated to serve the customer and will endeavor to install natural gas facilities in a timely manner consistent with minimizing the cost of facilities.

b) Addition of New Customers (R)

In an area where surcharges are in effect, new customers taking service after the main facilities are installed will be obligated to pay the applicable surcharge described above.

c) Addition of Unpredicted Load (R)

If an unpredicted load of substantial size occurs while surcharges are in effect, the Company shall review the economic analysis to determine if the surcharges should be reduced or eliminated, or the time period for collecting the surcharge be shortened.

d) Refunds of Additional Funds

There will be no refunds for main extensions evaluated under the economic analysis.

e) Obligation to Pay Surcharge (R)

If there is a change in the customer account at a gas service location while an extension surcharge is in effect, the obligation to pay this surcharge shall transfer to the customer in whose name gas service is being provided so long as the surcharge is in effect for other customers on the specific extension.

f) Identification of Surcharge Areas (R)

Each extension where a surcharge is in effect will be identified by extension name and the effective dates of surcharge application. The current listing is found on Sheet No. 24.33.



GAS EXTENSION RULES

NATURAL GAS

C. Main Extensions to Developments

If a developer requests gas service from the Company and a main extension is required, the Company will make such an extension and installation of facilities subject to the availability of gas supply and in accordance with the general provisions of these rules and the following additional provisions.

- (1) The developer will furnish a recorded plat, map or pring showing the location and nature of the area for which gas service is requested. The developer shall indicate the characteristics, nature and amount of initial gas load to be served.
- (2) The developer shall pay the total cost of the required main installation less any applicable allowances to the Company in advance of construction. For a period of five years from the date of the installation, refunds equal to the allowance for mains determined by the formula contained in Section 3. A. 2) will be made to the developer as customers take service within the development and along the route of the main extension for which the developer made a contribution. The total of refunds shall not exceed the original contribution.
- (3) The area to be served includes five (5) or more contiguous lots owned by the developer.
- (4) No reapportionment of the developer's contribution shall be allocated to the customers who take service on the developer's land.
- (5) Right to refunds shall remain with the developer during the refund period provided a written statement of such an arrangement is on file when the facilities are installed.
- (6) Service lateral installations within the development shall be installed in accordance with Section 2 and the Natural Gas service Rules. The developer shall be responsible for payment of nonrefundable service lateral charges, and cannot transfer responsibility to other parties.

4. MISCELLANEOUS

A. Deposits and Contributions

A customer making a contribution toward main hereunder is not thereby exempted from the rule relating to deposits to insure prompt payment of bills for gas service.

B. Winter Construction Charges

If a customer requires service during the winter construction season, the winter construction charge shall be applied to all trenched service laterals and main footage. See Sheet No. 24.34 for current winter construction charge and dates of season.



GAS EXTENSION RULES

NATURAL GAS

5. GAS SUPPLIES

All main extensions will be subject to the availability of adequate gas supplies as set forth in the Company's Priorities and Restrictions for the Optimum Use of Natural Gas, Schedule Gr-8 and with the conditions of these gas extension rules. (R)

6. GENERAL RULES

Services and meter sets will be constructed in accordance with Schedule Gr-6, 2. A and 2. B.

Main investment hereunder is subject to Schedule Gr-6.

7. EXCESS CONSTRUCTION COSTS

The following shall be considered excess construction costs:

- a) the cost of the installation of main and/or service lateral facilities requested by the customer if the design and construction specifications included in the customer's request exceed the design and construction specifications determined to be necessary by the Company in its sole judgement.
- b) the cost of the installation of main and/or service lateral determined by the Company in its sole judgement.
- c) the cost of the installation of main and/or service lateral facilities requiring special equipment such as those associated with river crossings or trenching in rock or frost.
- d) the cost of pavement cutting shall be considered an excess construction cost when such activity is necessary for the installation of Company facilities except when located within public right-of way.
- e) the cost of boring shall be considered an excess construction cost when such activity is necessary for the installation of service laterals except when located within public right-of-way.

Allowances and refunds shall not be applied to excess construction costs. The customer shall, in advance of construction, make a non-refundable payment for all excess construction costs related to the construction of mains. Excess construction costs related to the construction of service laterals shall be paid in accordance with Section 2. Such non-refundable payment shall be paid in addition to any deposit required under Section 3.



GAS EXTENSION RULES

NATURAL GAS

8. RELOCATION AND REPLACEMENT OF EXISTING FACILITIES

The Company shall perform relocation and replacement of main and/or service facilities upon the request of a customer or group of customers, or if the change is required because a customer has caused violation of a safety or construction code. The customer is responsible for the total cost of such relocation and/or replacement.

The cost for such changes shall be determined by calculating the total cost of the proposed work, including the installation of any new facilities and/or the removal or relocation of existing facilities, less the accumulated depreciation and salvage value of the facilities removed. The cost will be estimated and the customer shall make a payment equal to such estimated costs in advance of the construction for costs related to the relocation and reconstruction of mains. Relocation and reconstruction costs related to the construction of service laterals shall be paid in accordance with Section 2.

9. INCREASED CAPACITY

A. Change in Size of Main

Customers determined to be responsible for the installation of larger main due to an increase in their requirements, shall pay the estimated costs of such installation, including the relocation and/or removal of existing facilities, less the accumulated depreciation and salvage of the facilities removed.

The estimated cost of the installation shall be reduced by an allowance based on the anticipated increase in the customer's annual usage and determined by the formula set forth in Section 3. A.

B. Change in Size of Service Lateral

Where an increase in capacity requires a change in the service lateral, the customer shall be eligible for a new service lateral based on allowances set forth in Section 2. The allowance shall be reduced by the early retirement cost of the existing service. Early retirement costs include removal, salvage and accumulated depreciation.

C. Change in Metering Equipment

Where an increase in capacity requires a change in the metering equipment, the Company will provide the appropriate metering equipment at no charge to the customer. This includes removal of existing metering equipment and installation of new metering equipment.



GAS EXTENSION RULES

NATURAL GAS

10. EXTRAORDINARY INVESTMENT BY THE COMPANY

Where, in the opinion of the Company, the investment in an extension appears extraordinary or unusual, or where the extensive rebuilding of existing facilities is necessary to accommodate the customer making application for service, the Company reserves the right to require the customer who will be served from the extension to execute a contract for a definite period of service and otherwise to protect the Company and its existing customers against possible losses.

The Company shall have the option of rejecting any extension requiring an extraordinary investment. The Company shall advise the applicant(s) in writing of the reasons for rejection and advise the applicant(s) that further evaluation of the extension proposal may be pursued through the Public Service Commission of Wisconsin.

11. REFUND AND REAPPORTIONMENT OF CUSTOMER CONTRIBUTIONS

A. Main Extension Installed Prior to 09-01-91 - CANCELED



GAS EXTENSION RULES

NATURAL GAS

B. Main Extension Installed subsequent to 09-01-91

(1) Reapportionment of Customer Contribution

When additional customers take service from a main extension which had required a customer contribution, the original contribution and any new contribution will be reapportioned among all customers on the extension if the reapportionment does not cause an increase in any existing customer's contribution. If the reapportionment calculation would cause an increase to any customer's contribution, the portion of new main facilities under consideration will be considered a separate and new gas main extension subject to all the gas extension rules in GR-6.

(2) Refunds of Customers with No Additional Contribution

The Company shall make refunds to the customer(s) or developer who made the contribution(s) toward the extension of main for a period of five (5) years from the installation date.

When the Company connects new customers to this portion of main extension, the refund shall be equal to the change in the customer contribution value after reapportioning the contribution using the allowance in effect at the time the extension was installed.

When the Company makes an extension of main to subsequent customer(s) that does not require a contribution from the subsequent customer(s), the refund shall be equal to the change in the customer contribution using the allowance in effect at the time the original extension was installed and the allowance in effect for the new facilities less the construction costs of all main.

When the reapportionment calculation indicates two separate extensions, each extension will have a separate five year refund period based on the installation date. Should extensions off the original extension be totally refunded before the expiration date of the original extension, refunds may continue to accrue to the original contributors until the five year refund period for those contributors has elapsed.

(3) Single Customer Payment of Contribution

(M)

If an individual customer agrees in writing before the main extension is installed to pay the total required contribution, that customer shall be eligible for all main allowance refunds from all subsequent customers on the extension during the refund period. Such a written agreement will thereby preclude any reapportionment of the contribution among subsequent customers.

a) If a further main extension off the original extension is required to serve a subsequent customer and the main cost is less than the total main allowance (M)



GAS EXTENSION RULES

NATURAL GAS

available, the unused allowance shall be refunded to the customer who made the single payment contribution outlined above. (M)

- b) If a further main extension off the original extension is required to serve a subsequent customer and the main costs exceeds the total main allowance available, the subsequent customers shall pay the contribution for the new facilities.

C. Right to Refunds

The right to receive a refund of any contribution held hereunder will attach to the ownership of the premises for which the original extension was made. Any refund shall be made to the person who owns such premise(s) at the time the refund is paid unless the contributor has reserved the right to receive such refund in the conveyance of the premises to a subsequent owner and demonstrates that to the Company.

In the case of a developer making a contribution to extend gas into a development, the right to receive a refund shall attach to the owner of the development at the time the refund becomes due, unless, in the conveyance of the development, the developer provides the Company with a written agreement reserving the right to receive such refunds.

In no case will the total refund(s) exceed the amount of the contribution. (M)

12. TEMPORARY SERVICE (M)

A new customer taking temporary gas service shall pay the rates applicable to the class of service rendered. The company shall require that the customer pay in advance the cost of the installation and removal of all facilities, including the meter, required to furnish the desired service, less the salvage value of such facilities.

13. CLEARING RIGHTS AND COSTS (M)
(M)

Customer requesting service shall furnish, without expense to the Company, right-or-way, easements, permits, and additional costs incurred to provide adequate clearing for the main and service extensions to serve the customer along a route approved by the Company after consulting with the customer.

If requested by the customer, the Company will do the clearing at customer's expense. The customer shall pay the Company the estimated cost of clearing to be done by the Company. Costs will be adjusted to actual costs upon completion of the job. Costs related to the construction of mains must be paid in advance, except for exclusions to this policy found in Section 3. A. 3). Costs related to the construction of service laterals shall be paid in accordance with Section 2.

(M)



GAS EXTENSION RULES

NATURAL GAS

14. TITLE

The title to every extension of mains and service laterals made by the utility hereunder remains with the utility. The utility may at any time add additional customers to or make new extensions to an existing extension without the consent of any customer or customers who contributed to the cost of the existing extension, and without incurring any liability for refunding contributions other than as provided herein.

(M)

15. CONSTRUCTION STANDARDS

All gas distribution system extensions constructed hereunder shall conform to the utility's standards of construction, and shall meet the requirements of governmental regulatory bodies having jurisdiction.

(M)

16. SERVICE LATERAL UNDER PRIOR RULES

The utility will maintain, without cost to the customer, existing customer owned service laterals installed under prior extension rules, and when necessary will replace and thereafter will own and maintain such service laterals without charge.

17. EXTRAORDINARY CIRCUMSTANCES

(M)

It is understood that the Public Service Commission of Wisconsin may from time to time order a waiver of the utility's Controlled Service Program stated in Schedule Gr-8 and, as a condition of ordering gas service be rendered, may order the utility to extend gas distribution facilities under terms not in conformity with this extension rule.

18. GENERAL PROVISIONS

(M)

- a) If in the Company's sole judgement the Company needs an easement over customer's property in order to furnish service to customer, customer shall provide Company with an easement at no expense to Company. If in the Company's sole judgement Company needs an easement or easements over property not owned by customer in order to furnish service to customer, customer shall obtain the easement(s) at no expense to Company.
- b) No structures or trees shall be placed over the route of the Company's gas facilities. However, such property may be used for gardens and other purposes which will not interfere with maintenance and replacement of Company's gas facilities.
- c) Properties subject to an easement granted to Company shall be graded to a level which shall not be above or more than 6 inches below finished grade, prior to the time installation of gas facilities is commenced by Company. The Company shall be notified in advance of any changes in grade after the gas facilities have been installed by Company, and Company shall be reimbursed for any and all costs incurred as a result of such change.



GAS EXTENSION RULES

NATURAL GAS

- d) Company shall not be liable for damage to trees, shrubs, fences, sidewalks or other obstructions incident to the installations, maintenance or replacement of gas facilities, unless such damage is caused by its own negligence.
- e) Gas facilities normally will not be installed beneath farm fields, wild land, swamp land, gravel pits, or other similar unimproved areas.
- f) Safety, code compliance and construction of gas facilities following accepted engineering and planning practices will govern the location of the meter. (M)

19. MASTER-METERED CUSTOMERS (N)

A. TEMPORARY OFFERING to Existing Master-Metered Customers (N)

The company shall make reasonable efforts to identify customers that distribute natural gas beyond the company's meter in such a manner that the customer must comply with the requirements of 49 Code of Federal Regulation 192 and Wisconsin Administrative Code, PSC Chapter 135. In general terms, such customers are subject to and responsible for fulfilling the same pipeline safety requirements as any gas distribution utility in the State of Wisconsin. Existing master metered customers identified by the company shall be contacted and given 6 months from the notification date to accept an offer by the company to replace their customer-owned distribution and metering facilities. If the customer accepts the company's offer within the 6-month period, there will be no charge to the customer for the conversion costs. After conversion, the customer will be responsible for all charges under the applicable company tariffs including the daily fixed charges for each meter installed.

B. New Master-Metered Customers

Customers that intend to distribute natural gas to outbuildings beginning after July 19, 2005, and customers that decline the company's offer of conversion must comply with the requirements of 49 Code of Federal Regulation 192 and Wisconsin Administrative Code, PSC Chapter 135, which govern master-meter installations. Customer-prepared compliance plans must be reviewed and approved by the pipeline safety staff of the Public Service Commission of Wisconsin before the company will provide natural gas service to the customer. The company assumes no liability for gas facilities on the customer's side of the company meter. (N)



GAS EXTENSION RULES

NATURAL GAS

<u>EXT. NAME</u>	<u>EXT ID</u>	<u>RATE SCHEDULE</u>	<u>PER MONTH SURCHARGE</u>	<u>PERIOD</u>	
				<u>Start</u>	<u>End</u>
Village of Friesland	6680-CG-155	Gg-1 Gc-1	\$ 7.39 \$10.05	12-01-2012	07-31-2016
Town of Otsego	6680-CG-27	Gg-1 Gc-1 S-1 (sm) (usage less than 10,000 therms annually)	\$ 32.69 \$ 55.87 \$339.91	10-01-2014	03-31-2020
		S-1 (med) (>=10,000 to < 25,000 therms annually)	\$ 558.75		
		S-1 (lg) (usage greater than or equal to 25,000 therms annually)	\$2,095.31		
Town of Fairfield	6680-CG-156	Gg-1	\$14.41	09-01-2014	02-28-2018
Town of Willow Springs	6680-CG-160	Gg-1	\$ 8.23	10-01-2014	03-31-2018
Rahl Road and Harlow Acres	CA-4212	Gg-1	\$14.25	05-01-2015	11-30-2018
Cascade Mtn.	CA-4212	Gg-1 Gc-1 Gc-2 Gc-3	\$17.52 \$24.96 \$311.81 \$1,361.78	09-01-2015	02-29-2020
Hawkinson Rd.	CA-4134	Gg-1 Gc-1	\$11.63 \$16.56	05-01-2015	10-31-2019
Steele Trailer Ct.	CA-4212	Gg-1 Gc-1	\$13.94 \$43.84	06-01-2015	11-30-2019
Birchwood Subdivision	6680-CG-27	Gg-1 Gc-1	\$15.08 \$15.08	09-01-2015	02-28-2019
Olson Grain, Pleasant Sp.	CA-4238	Gg-1 Gc-1 S-1	\$19.67 \$39.24 \$504.46	10-01-2015	03-31-2021
W. Beaver Dam Lake	6680-CG-128	Gg-1 Gc-1 S-1	\$18.45 \$36.80 \$191.88	08-01-2015	01-31-2021
Fitzsimmons Road	CA-4212	Gg-1	\$19.00	08-01-2015	01-31-2019
Honey Creek	6680-CG-161	Gg-1 Gc-3	\$27.05 \$3,873.21	05-01-2015	10-31-2019



Volume III, 11th Revision Sheet No. 24.331
Amendment 897, Schedule Gr-6.131

GAS EXTENSION RULES

NATURAL GAS

<u>EXT. NAME</u>	<u>EXT ID</u>	<u>RATE SCHEDULE</u>	<u>PER MONTH SURCHARGE</u>	<u>PERIOD</u>	
				<u>Start</u>	<u>End</u>
Many Waters	CA-4212	Gg-1	\$26.54	02/01/2017	07/31/2022
		Gc-1	\$26.54		
		S-1	\$142.61		
Kennedy Rd. Spring Green	CA-4212	Gg-1	\$21.85	01-01-2017	06-30-2022
		Gc-1	\$24.90		
Fawn Lake Subdivision	6680-CG-119	Gg-1	\$13.04	01-01-2017	06-30-2022
		Gc-1	\$13.04		
County Hwy O, Portage	6680-CG-128	Gg-1	\$9.23	11-01-2016	04/30/2022
		Gc-1	\$9.23		
Treptow/Karst/West Ln	6680-CG-128	Gg-1	\$9.43	12-01-2016	5/31/2022
		Gc-1	\$9.43		
Eureka Loop	CA-4240	Gg-1	\$14.52	03/01/2017	08/31/2022
		Gc-1	\$14.52		
		Gc-2	\$176.22		
Iola Hatch Lake	CA-4751	Gg-1	\$6.53	12-01-2016	05/31/2022
Woodland Hill Subdivision	6680-CG-103	Gg-1	\$17.35	10-01-2016	03/31/2022
		Gc-1	\$34.97		
Kennedy Road/Lone Rock		Gg-1	\$1.68	01-01-2018	06-30-23
		Gc-1	\$1.68		
38 th , Circle, CR G		Gg-1	\$ 3.18	01-01-2017	06-30-2022
Richland Road		Gg-1	\$29.94	08-01-2016	01-31-2022
		Gc-1	\$29.94		
Lincoln Rd./Town Line Rd.		Gg-1	\$ 7.26	08-01-2016	01-31-2022
		Gc-1	\$ 7.26		
Herwig&Dellwood		Gg-1	\$ 10.17	01-01-2017	06-30-2022
		Gc-1	\$ 18.91		
County Rd. FF		Gg-1	\$ 30.47	04/01/2017	09/30/2022
		Gc-1	\$ 30.47		
		S-1	\$ 75.25		



Volume III, 13th Revision, Sheet No. 24.332
Amendment 919, Schedule Gr-6.132

GAS EXTENSION RULES			NATURAL GAS	
<u>EXT. NAME</u>	<u>RATE SCHEDULE</u>	<u>PER MONTH SURCHARGE</u>	<u>PERIOD</u>	
			<u>Start</u>	<u>End</u>
Auroraville/Hwy 49	Gg-1	\$ 10.45	01/01/2017	06/30/2022
	Gc-1	\$ 10.45		
Camp Gray	Gg-1	\$ 4.84	11-01-2017	04-30-2023
	Gc-1	\$ 5.64		
	Gc-2	\$ 47.84		
Campbell & Kelly Roads	Gg-1	\$ 8.37	01-01-2017	06-30-2022
	Gc-1	\$ 8.37		
	Gc-2	\$ 144.71		
Blackhawk Rd	Gg-1	\$ 8.95	09/01/2017	02/28/2023
	Gc-1	\$ 8.95		
County Hwy V, Fond du Lac	Gg-1	\$ 15.79	10/01/2017	03/31/2023
	Gc-1	\$ 15.79		
19 th and 22 nd Ave.	Gg-1	\$ 29.59	03/01/2018	08/31/2023
Castle Rock Estates	Gg-1	\$ 9.62	10/01/2017	03/31/2023
Auburn Bluffs	Gg-1	\$ 14.96	02-01-2018	07/31/2023
	Gc-1	\$ 14.96		
Poplar Meadows	Gg-1	\$ 6.28	11/01/2017	04/30/2023
	Gc-1	\$ 6.28		
Jones Road	Gg-1	\$ 35.49	12/01/2017	05/31/2023
Utica	Gg-1	\$ 27.36	01/01/2018	6/30/2023
Fox Lake	Gg-1	\$ 23.61	03/01/2018	08/31/2023
	Gc-1	\$ 23.61		
Village of Gratiot	Gg-1	\$ 22.52	02/01/2019	7/31/2024
	Gc-1	28.39		
15th and Volling Lane	Gg-1	\$ 19.60	10/01/2018	03/31/2024
Hooker's Resort	Gg-1	\$ 15.00	03/01/2018	08/31/2023
	Gc-1	\$ 19.15		
	Gc-2	\$ 214.45		
Marshview Road	Gg-1	\$ 27.11	11/01/2017	04/30/2023
	Gc-2	\$ 213.26		
	S-1 (small)	\$ 110.46		
	S-1 (medium)	\$ 482.79		
	S-1 (large)	\$ 700.10		



GAS EXTENSION RULES

NATURAL GAS

<u>EXT. NAME</u>	<u>RATE SCHEDULE</u>	<u>PER MONTH SURCHARGE</u>	<u>PERIOD</u>	
			<u>Start [1]</u>	<u>End</u>
Hill and Oak Hill Road	Gg-1 Gc-1	\$15.71 \$15.71	11/01/2018	04/30/2024
County S and Main	Gg-1	\$ 1.45	11/01/2018	04/30/2024
County H & Buena Vista Dr.	Gg-1	\$19.69	02/01/2019	07/31/2024
Lone Rock—Gotham	Gg-1 Gc-1	\$15.29 \$16.32	02/01/2019	07/31/2024
Village of Hollandale	Gg-1 Gc-1	\$27.47 \$27.47	02/01/2019	07/31/2024
15 th and Volling Ln. Phase II	Gg-1 Gc-1	\$19.63 \$19.63	11/01/2018	04/30/2024
Exchange Rd. & County O	Gg-1 Gc-1	\$14.16 \$45.26	11/01/2018	04/30/2024
Bear Lake	Gg-1 Gc-1	\$12.26 \$12.26	11/01/2018	04/30/2024
Highway B and Gulch	Gg-1 Gc-1 Gc-3	\$16.82 \$51.31 \$468.82	12/01/2018	05/31/2024
College Farm Rd.	Gg-1 Gc-1 Gc-2 S-1 (small) S-1 (medium) S-1 (large)	\$ 5.41 \$13.88 \$103.67 \$16.51 \$42.46 \$80.00	02/01/2019	07/31/2024
Gillem Rd. and Side Rd.	Gg-1 Gc-2	\$ 11.30 \$113.99	02/01/2019	07/31/2024
40th & 41st Streets	Gg-1	\$13.13	12/1/2019	5/31/2025



GAS EXTENSION RULES

NATURAL GAS

<u>EXT. NAME</u>	<u>RATE SCHEDULE</u>	<u>PER MONTH SURCHARGE</u>	<u>PERIOD</u>	
			<u>Start [1]</u>	<u>End</u>
Indian Trail Pkwy	Gg-1	\$4.95	8/1/2019	2/2//2025
Hwy 28 & Schwarze Rd	Gg-1	\$15.20	12/1/2019	4/30/2025
	Gc-2	\$221.35		
Township of Lamartine - Fairview Dr	Gg-1	\$14.38	11/1/2019	4/30/2025
	Gc-1	\$46.71		
	Gc-3	\$728.28		
Drake Rd	Gg-1	\$8.90	9/1/2019	2/28/2025
	Gc-1	\$26.15		
Burnett - CTH B & Cty Rd E	Gg-1	\$19.10	2/01/2019	7/31/2024
	Gc-1	\$19.10		
	Gc-2	\$334.47		
Haven Dr	Gg-1	\$15.56	2/01/2019	07/31/2024
	Gc-1	\$15.56		
	Gc-2	\$123.525		
	S-1 (small)	\$28.44		
	S-1 (medium)	\$158.12		
S 20th & E 29th – Necedah	Gg-1	\$15.71	2/1/2020	7/31/2025
Oregon W Lincoln Rd	Gg-1	\$10.17	4/1/2019	9/30/2024
	Gc-1	\$11.56		
Clover Hill Dairy	Gg-1	\$2.54	12/1/2019	5/31/2025
	Gc-1	\$3.27		
	Gc-2	\$51.49		
	Gc-3	\$532.33		
Village of Briggsville	Gg-1	\$24.36	4/1/2020	9/30/2025
	Gc-1	\$41.78		
	Gc-2	\$261.25		
15th & Volling Ln Phase 3	Gg-1	\$10.25	7/1/2020	12/31/2025
Bills Lane – Necedah	Gg-1	\$12.28	3/1/2020	8/31/2025
Seemen & Hwy 14	Gg-1	\$31.68	1/1/2020	6/30/2025
	Gc-1	\$31.68		
Wakerly Ln	Gg-1	\$9.33	3/1/2020	8/31/2025
	Gc-1	\$9.33		



GAS EXTENSION RULES

NATURAL GAS

<u>EXT. NAME</u>	<u>RATE SCHEDULE</u>	<u>PER MONTH SURCHARGE</u>	<u>PERIOD</u>	
			<u>Start [1]</u>	<u>End</u>
9th & Grouse	Gg-1	\$10.12	TBD	
SE Necedah Phase 3	Gg-1	\$21.13	TBD	
County Rd A Sec 1, 5	Gg-1	\$19.78	TBD	
	Gc-1	\$44.46		
County U	Gg-1	\$24.71	TBD	
CTH W - Shaw Hill Road	Gg-1	\$26.47	TBD	
Hwy 12 SE of Lyndon Station	Gg-1	\$25.79	TBD	
	Gc-1	\$48.09		
	Gc-2	\$125.69		
Lincoln Townline Circle	Gg-1	\$9.42	TBD	
	Gc-1	\$9.42		
NE of Merrimac	Gg-1	\$23.02	TBD	
Neuman Rd	Gg-1	\$24.08	TBD	
Oak Center	Gg-1	\$19.09	TBD	
Rush Lake	Gg-1	\$22.47	TBD	
	Gc-1	\$68.47		
Schwartz Rd & Hwy 44	Gg-1	\$13.09	TBD	
	Gc-1	\$13.09		
Township of Lamartine	Gg-1	\$24.85	TBD	
	Gc-1	\$24.85		
	Gc-2	\$181.70		
Union Rd	Gg-1	\$28.17	TBD	
	Gc-1	\$28.17		
Cooksville	Gg-1	\$23.56	TBD	
	Gc-1	\$23.56		
	S-1 small	\$48.80		
	S-1 medium	\$222.61		
	S-1 large	\$1,341.91		

[1] To be determined. Surcharges are no more than 60 months and will be submitted for PSCW approval..



Volume III, Original, Sheet No. 24.336
Amendment 954, Schedule Gr-6.132

GAS EXTENSION RULES

NATURAL GAS

<u>EXT. NAME</u>	<u>RATE SCHEDULE</u>	<u>PER MONTH SURCHARGE</u>	<u>PERIOD</u>	
			<u>Start [1]</u>	<u>End</u>
Gillette Ln	Gg-1	\$10.11	TBD	TBD
Sunset Ridge – Cottage Grove	Gg-1	\$6.06	TBD	TBD
Maple Ridge	Gg-1	\$24.35	TBD	TBD
	Gc-1	\$24.35	TBD	TBD

1] To be determined. Surcharges are no more than 60 months and will be submitted for PSCW approval.



GAS EXTENSION RULES

NATURAL GAS

CURRENT CONSTRUCTION COST INFORMATION
ALL SERVICE TERRITORIES

1" or Less Plastic Service (per ft) [1]	\$ 9.90	(R)
2" Plastic Main (per ft) [1]	\$ 10.10	(R)
Residential Allowances		
Space Heating	\$1,787	
Non-space Heating	\$ 732	
Winter Construction Charge (per ft.) (December 1 – March 31)	\$4.00	
Current Authorized Rate of Return for Customer Contributions: [2]	7.47 %	

*For all other pipe sizes and types, consult Company representative for current charges.

[1] Includes pipe and trenching cost, for 1" or less

[2] Average weighted cost of capital per PSCW Decision in Docket 6680-UR-121



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

1. Applicability

Applicable to all Rate Schedules for Natural Gas Service served by the Company. (R)

2. General

Gas delivering service under all rate schedules shall be subject to control pursuant to the priority of use provision and other procedures and limitations contained in this rule.

3. Priority Procedures for New Use

The Company shall limit or deny gas service to new customers and to existing customers requesting additional gas when the Company determines that it is necessary to do so to reserve the Company's incremental gas supplies for higher priority service. For control purposes, the following priorities of use are hereby established, of which Priority 7 constitutes the lowest priority use and Priority 1, the highest priority use, subject to modification in compliance with orders of regulatory agencies. (R)

A. Priority 1

1a) Residential customer for any purpose.

1b) Small commercial requirements having a maximum day requirement of less than 50 Dth, schools, hospitals, sanitation facilities, correctional facilities, police and fire protection facilities, and Company use, except for power generation, and lost and unaccounted for gas.

B. Priority 2

Essential agricultural use as defined by the FERC at the time of curtailment.

C. Priority 3

3a). All commercial nonboiler requirements of 50 Dth per day to 300 Dth per day, and industrial nonboiler requirements of less than 300 Dth per day, and all industrial requirements for feedstock and process needs on firm rate schedules. (R)
(R)



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

3b. All commercial boiler requirements of 50 Dth per day to 300 Dth per day and industrial boiler requirements having a maximum day requirement of less than 300 Dth served on firm rate schedules. (R)

3c. All commercial nonboiler requirements of 50 Dth per day to 300 Dth per day and industrial nonboiler requirements of less than 300 Dth per day and all industrial requirements for feedstock and process needs on interruptible rate schedules. (R)

3d. All commercial boiler requirements of 50 Dth per day to 300 Dth per day and industrial boiler requirements having a maximum day requirement of less than 300 Dth served on interruptible rate schedules.

D. Priority 4

4a. All requirements not specified in priorities 1, 2, 3, 5, 6 or 7 served on firm rate schedules.

4b. All requirements not specified in priorities 1, 2, 3, 5, 6 or 7 served on interruptible rate schedules.

E. Priority 5

5a. Requirements for boiler fuel use having a maximum day requirement of 300 Dth to 1,500 Dth served on firm rate schedules.

5b. Requirements for boiler fuel use having a maximum day requirement of 300 Dth to 1,500 served on interruptible rate schedules

F. Priority 6

6a. Requirements for boiler fuel use having a maximum day requirement of 1,500 Dth to 3,000 Dth served on firm rate schedules.

6b. Requirements for boiler fuel use having a maximum day requirement of 1,500 Dth to 3,000 Dth served on interruptible rate schedules.

G. Priority 7

7a. Requirements for boiler fuel use having a maximum day requirement of 3,000 Dth or more served on firm rate schedules.

7b. Requirements for boiler fuel use having a maximum day requirement of 3,000 Dth or more served on interruptible rate schedules.



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

4. Definitions

Residential: Service to customers which consists of direct natural gas usage in a residential dwelling for space heating, air conditioning, cooking, water heating, clothes drying, and other residential uses and includes apartment buildings and other multi-unit buildings.

Essential agricultural Use: Service as designated by the Secretary of Agriculture as "essential agricultural use" under Section 401(c) of the NGPA, as identified in 7 CFR 2900, et. seq., which does not have any alternate fuel as determined by the FERC according to Section 401(b) of the NGPA.

Commercial: Service, including central heating plants, to customers engaged primarily in the sale of goods or services including institutions and local, state and Federal government agencies for use other than those involving manufacturing or electric power generation.

Industrial: Service to customers engaged primarily in a process which creates or changes raw or unfinished materials into another form or product including the generation of electric power.

Feedstock Gas: Natural gas used as a raw material for its chemical properties in creating an end product.

Process Gas: Gas used in appliances capable of burning only a gaseous fuel so as to utilize those combustion characteristics of gaseous fuels such as; complete combustion, safe combustion products, flame geometry, ease of temperature control to precise levels, and optimum safety of heat application. Specifically excluded are boilers, gas turbines, space heating equipment (other than direct fired air make-up heaters for process purposes), and indirect air heaters.

Boiler Fuel: Natural gas used as a fuel for the generation of steam or hot water (including natural gas used as a fuel for externally fired pressure vessels using heat transfer fluids other than water) or for generation of electricity including the utilization of gas turbines for the generation of electricity.



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

Maximum Day Requirements: Shall be determined by the weather normalized usage based on the 12-month period ended in July each year.

Curtailement: Is a limitation of the customer's ability to receive natural gas due to a failure of the company's wholesale suppliers to meet contractual obligations.

5. Status of Priority Groups

The status of priority groups is "open", "limited", or "closed". The applicable number of permits that may be issued to applicants on a waiting list will be the number recorded below along with the status notation of "limited." This tariff shall be revised whenever a significant change occurs in the supply of natural gas. The Commission will review and approve these changes within 60 days or in the alternative, notice the matter for hearing.

6. Availability by Priority Group

<u>Priority Group</u>	<u>Status</u>	<u>Permits</u>
1a	Open	
1b	Open	
2	Open	
3a	Open	
3b	Open	
3c	Open	
3d	Open	
4a	Open	
4b	Open	
5a	Open	
5b	Open	
6a	Open	
6b	Open	
7a	Open	
7b	Open	

(R)



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

7. Permit Procedures

(R)

A. Availability of Permit

The Company will inform any applicant for new or additional natural gas service of the limitations currently in effect for the priority group under which the applicant qualifies.

Application for gas by a new customer or additional gas for an existing customer may only be made within the limitations of one priority group. If the end use requirements qualify in more than one priority group, the requirements will be combined for limitation applications, subject to the limitations of Status as defined in this Schedule. Customers who purchase both firm and interruptible gas are subject to the limitations for their total purchases rather than separately for each class of service.

B. Obtaining a Permit

If the assigned priority group is "limited" or "closed", the applicant may sign an application card and the applicant's name will be added to a waiting list for future natural gas service. Such lists will be maintained by priority group, with the names entered in chronological order showing the date and time of application.

Whenever supply conditions allow the "limited" opening of a priority group for a certain number of customers, applicants on the waiting list within such limits for the priority group will be contacted and natural gas service offered in chronological order. If the applicant can take service within the present period, a "permit" will be issued to the applicant, if not, his name will be entered on the waiting list as of the date contacted.

C. Obtaining a Permit Renewal or Permit Extension

Within 30 days prior to the expiration date of a "permit", the applicant will be permitted by additional written application, to obtain a "permit renewal" if the applicant's priority group is "open"; if "limited" or "closed", such applicant will be granted one 90 day "permit extension" from the expiration date if in Priority 1, or 2 such extensions if in Priorities 2 through 7.

(R)

D. Volume Limitations of Permits

Permits for new or additional gas service exceeding 50,000 Dth per year shall be issued at the discretion of the Company depending upon supply situations and circumstances at the time of application. The Public Service Commission shall review each refusal of service for requests in excess of 50,000 Dth per year



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

8. Regulation Regarding the Curtailment of Natural Gas Use

Should the company experience a failure of delivery from wholesale suppliers, a failure of the pipeline to deliver available supplies, or is unable to maintain minimum system pressure, the company may order natural gas customers to limit the use of natural gas. All gas supplies delivered to the company's gate shall be diverted to customers based on the priorities outlined in Sections 8A and 8B, and the company reserves the right to discontinue service to customers who do not comply with requests to limit usage within one hour.

A. Gas Supply Shortfalls at the Citygate.

The following conditions shall apply when the company orders customers behind the citygate to cease or curtail use of gas due to gas supply shortfalls at the citygate:

- 1) If the company's operating personnel determine that sufficient time is available, said personnel shall attempt to purchase customer-owned gas at the citygate before any interruptible system supply customer is ordered to cease or curtail use of gas. (R)
- 2) If transportation customers are ordered to cease or curtail use of gas said orders shall be issued to individual transportation customers generally beginning with the customers with the largest expected loads and proceeding to customers with successively smaller expected loads. Deviation from this general order may be necessary to preserve service to firm system supply customers. (R)
- 3) The company shall order customers to cease or curtail use of gas in as close to the following priority categories as is reasonably practicable: (R)



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

PRIORITY	DESCRIPTION	(R)
Lowest	Interruptible system sales, largest expected load to smallest expected load	(R)
	Transportation sales, largest expected load to smallest expected load	
	Partial requirements Transportation backup sales, FT-1	
	Firm system supply customer sales, largest to smallest except GC-1 and GG-1	
	GC-1 Small Commercial	
Highest	GG-1 Residential	

(CD-1 and Special Contract Customers shall be curtailed according to their contract with the company)

Any gas confiscated by the company as a result of this procedure shall be paid for in full by the company following presentation of suitable proof of the cost of said confiscated gas.

Customers that fail to comply with an order to curtail are subject to unauthorized use charges shown on Sheet No. 24.47.

- B. Distribution System Geographical Areas of Concern: When the company operating personnel determine that the ability to serve the full demands of all system supply and transportation customers within an area are at risk, priority of service from lowest to highest shall be based on the largest expected use to the smallest expected use. Rate schedule GG-1 Residential Service shall have the highest priority of service. Additionally, CD-1 and CS-1 shall be curtailed according to their contract with the company.

Any gas confiscated by the company as a result of this procedure shall be paid for in full by the company following presentation of suitable proof of the cost of said confiscated gas.

Customers that fail to comply with an order to curtail are subject to unauthorized use charges shown on Sheet No. 24.47.



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

9. Unauthorized Use Penalties (R)

If a customer does not fully comply with an order issued pursuant to conditions stated in tariffs and riders stated in this Volume, the customer will pay for all unauthorized use at a rate determined by summing the following factors:

A. A minimum rate of \$2.00 per therm OR, (R)

When the company is exposed to penalties greater than \$2.00 per therm from any interstate pipeline(s) serving the company's system (whether or not a pipeline penalty is incurred by the company), the rate increases to \$10.00 per therm for all unauthorized use, plus any incremental pipeline penalty costs greater than \$10.00 per therm. (R)

(The company is served by two interstate pipeline systems: ANR Pipeline Co. and Northern Natural Gas Co. The applicable pipeline penalty rate shall be the highest pipeline penalty rate in effect on either of the two pipeline systems, regardless of which pipeline system interconnects with the company's local distribution facilities to serve the customer.) (R)

(At the effective date of this tariff sheet, the highest pipeline penalty rate is \$11.30 per therm (\$113.00 per dekatherm), which is applicable at times when Northern Natural Pipeline Co. has declared a "Cease and Desist" condition or a "System Overrun Limitation" condition on its system. Interstate pipeline penalty rates are regulated by the Federal Energy Regulatory Commission and are subject to change upon authorization of the FERC.) (R)

B. The standard charges related to providing gas service to the customer, which may include, but are not limited to, the tariffed cost of gas, local delivery charges, gas industry transition charges, and applicable taxes. (R)

C. The incremental cost of gas taken as unauthorized use. The incremental cost of gas shall be the higher of the current Purchase Reference Price at the time of unauthorized use (see Sheet No. 21.11) or the cost calculated by summing the following factors: (R)

1) Costs which recover the equivalent value of the highest applicable interstate pipeline transportation and storage charges, including capacity charges, storage withdrawal charges, volumetrically-applied commodity charges, fuel charges and applicable surcharges at the time of the unauthorized use. (R)

2) All taxes, fees and any other reasonable gas supply costs incurred by the company as a result of unauthorized use by the customer. (R)

3) A gas cost component which includes the higher of a. or b. below: (D)



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

- a. If, during the period of unauthorized use, the Company meets any increment of its total system requirements by making purchases on the open market, the gas cost component shall be the weighted average cost of the highest-cost gas supply purchases purchased by the Company at the time of the unauthorized use which are just sufficient to meet the total quantity of unauthorized gas use. If said purchases are made under pre-existing agreements under which the Company has pre-paid stand-by deliverability premiums to a supplier, the incremental cost of gas shall also include volumetrically-applied stand-by charges incurred by the Company and an allocation of pre-paid stand-by deliverability premiums calculated on a 100 % load factor basis to recover charges incurred by the Company which serve to make stand-by supply available during the period of unauthorized use.
- b. If, during the period of unauthorized use, the Company meets any increment of its total system requirements by means of withdrawals of Company-owned storage gas or imbalances with its pipeline suppliers, the gas cost component shall be the highest of: 1) the weighted average cost of the storage gas withdrawn, or 2) the highest cost gas (inclusive of any related excess imbalance fees) which the Company is charged by its interstate pipeline suppliers for any gas imbalance cashout during the period of unauthorized use, or 3) the highest daily spot market price of gas at the time of unauthorized use as reported in Gas Daily for receipt points accessible to the Company.

For transportation rider service, any incremental cost of gas charged to the customer for unauthorized use shall supplant the Purchase Reference Price for the unauthorized use period when calculating Commodity Balancing Service (CBS-1) monthly cashout. For interruptible system sales service, any incremental cost of gas charged to the customer for unauthorized use shall supplant the Commodity Rate embedded in the Current Effective Rate in the Company's Gas Cost Recovery Mechanism.

- D. If a customer is not responsive to Company orders to cease or curtail unauthorized use of gas, a trip charge of \$75.00 per trip for each trip made by the Company to either valve off or restore service shall be applied.

(D)



PRIORITIES AND RESTRICTION FOR
THE OPTIMUM USE OF NATURAL GAS

GAS

10. Low Flow Underuse Payments and Charges

For each day a Low Flow Constraint Day is in effect separate Low Flow Underuse Payments and Charges shall be determined and applied.

For Low Flow Underuse Payments, the Company shall purchase the total volume of commodity supply delivered, but not consumed. The purchase price shall consist of:

- 1) the lowest *Gas Daily* daily index price among the Company-accessible supply basins listed in the Commodity Balancing Service (Schedule CBS-1), and (R)
- 2) the applicable pipeline interruptible transportation rate, related surcharges, and related fuel costs from the pipeline's receipt segment to the pipeline's delivery segment, and
- 3) the lowest effective Gas Supply Acquisition Rate.

For Low Flow Underuse Charges, the standard daily balancing charges described in Sec. 7 of Daily Balancing Service Rider (Schedule DBS-1) shall be applied. In addition, if the Company incurs imbalance or penalty charges or fees from its gas suppliers, including but not limited to providers of transportation and storage services, the charges related to the pooling agent's imbalances shall be passed along to the Pooling Agent.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

<u>Item</u>		<u>Rate Sheet</u>
Application for Service	Xr-1	41.00
Definition of Customers	Xr-1.1	41.01
Temporary Customers	Xr-1.2	41.02
Optional Rates	Xr-2	41.10
Access to Customer's Premises	Xr-2	41.10

DEPOSIT RULES

New Residential Service	Xr-3	42.00
Existing Residential Service	Xr-3	42.00
Commercial and Farm Service	Xr-3	42.00
Commercial and Farm Service	Xr-3.1	42.01
Conditions of Deposit	Xr-3.1	42.01
Conditions of Deposit	Xr-3.2	42.02
Conditions of Deposit	Xr-3.3	42.03

DISCONNECT RULES

Disconnection of Service for Nonpayment	Xr-4	43.00
Reconnection of Service	Xr-4.1	43.10
Unpaid Rental Accounts in Landlord's Name	Xr-4.2	43.11
Disconnect Notice	Xr-4.3	43.20
Copy of Bill Insert	Xr-4.3.1	43.201
Urgent Notice Copy	Xr-4.4	43.21
Request for Access Notice	Xr-4.5	43.22

MISCELLANEOUS RULES

Meter Readings, Billing Periods, & Payment Provisions	Xr-5.1	44.00
Late Payment Charges	Xr-5.1	44.00
Dishonored Check Charge	Xr-5.1	44.00
Seasonal Billing	Xr-5.1	44.00
Credit Card Payments	Xr-5.1	44.00
Minimum Payment Option (MPO)	Xr-5.1	44.00
Special Meter Readings	Xr-5.2	44.01
Arrears Management Program (AMP)--Pilot	Xr-5.3	44.02
Budget Bill Payment Plan	Xr-6	45.00
Budget Bill Withdrawal	Xr-6.1	45.01
Billing When Unable to Read Meter	Xr-7	46.00
Billing for Fractional Month's Service	Xr-7	46.00
Billings When Meter is Over-read	Xr-7	46.00
Billings When Meters Fail to Properly Register Consumption	Xr-7.1	46.10
Additional Meters for Customer's Convenience	Xr-8	47.00
Interference with Metering of Utility Service	Xr-9	48.00
Limitation of Customer's Liability for Unbilled Service	Xr-10	49.00
Weekly Billing of Electric and Gas Services	Xr-10	49.00

(N)



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Application For Service

Each customer shall make an application for utility service. Customers applying for utility service from existing services must complete an application either by phone or via the internet. For new construction, customers seeking utility services shall make a signed application for service. See the applicable Extension Rules of the Electric and Gas Tariffs.

No agent or employee of the Company shall amend, modify, alter or waive any of the rates or rules of the Company or bind the Company by making any promise or representation not incorporated in the Company's application or contract for service.

(R)

An application for service shall not be transferred. An occupant that uses utility service without applying may be billed an estimated or actual amount for service used prior to the time of application. Failure to pay such charges may result in disconnection of services.

(R)

Discontinuance of Service

Notice by customers of discontinuance of service must be submitted either by telephone, internet or by written communication.

Definition of Customers

It is the purpose of the Company to provide proper equipment to meter each class of service supplied to and taken by each customer, as defined herein.

Each point of delivery of each class of service constitutes a separate customer, unless specified to the contrary in the applicable rate schedule, and meter registrations at different points of delivery or for different classes of service are not cumulated for billing purposes.

The Company may for its own convenience install more than one watthour meter at a point of delivery for a single class of service, and in such cases meter registrations are cumulated for billing purposes.

Energy shall not be resold, except energy sold for resale to other utilities and distribution cooperatives, as provided in the applicable rate schedule.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

A Residential Customer is defined as each separate house, apartment, condominium, or other complete dwelling unit occupied by a person or persons constituting a distinct household. A complete dwelling unit is defined as a separate building or portion thereof having cooking, living room and sleeping facilities. Residential service may be extended to include the use of energy for lighting or operation of hobby tools in pergolas, private garages, private barns, which are adjacent to, connected with, and used exclusively by the residence being served. Separately metered services for garages, etc., will be supplied on the applicable residential rate if the service is provided at 320 amps or less. Otherwise, separately metered services for garages, etc., will be supplied on the applicable commercial rate including natural gas service. (R)
Such service shall be subject to the customer deposit rules as they apply to commercial service. (R)

A Farm Customer is defined as one using single-phase or three-phase electric service for: 1) the production of income from an agricultural pursuit, or 2) the production of an agricultural commodity which is a raw material input to either: a) the production of income from an agricultural pursuit, or b) a commercial material's characteristics are changed. Agricultural pursuits are activities such as: 1) dairying, 2) the rearing of animals (i.e. beef, swine, sheep, goats, fowl, fish for meat, and small game for fur), 3) the production and harvesting of crops, 4) horticulture (i.e. vegetables, fruits, etc.), 5) egg production, and 6) the operation of a nursery or wholesale greenhouse for the production of trees, shrubs, vines, or similar products. Agricultural commodities are the output of the above activities.

A Farm Customer may combine his or her general household use of electric service, if any, with his or her farm operating use through one meter. However, where a customer uses electric service for general household purposes, and his agricultural pursuits are minor (less than half the average annual connected load is used for agricultural pursuits), such customer shall be classified as Residential. An exception for this requirement shall be made for customers engaged in the production of agricultural commodities which require relatively low electric energy inputs, such as Christmas tree farms. In such cases, if the operation meets the requirements of the preceding paragraph, the customer shall be classified as a Farm Customer.

In making the above determination, where electric equipment is used jointly for general household and farm operating purposes or jointly for commercial and farm operating purposes, the major use of such equipment will determine whether it be classified as being for residential, commercial, or farm operating purposes.

A Commercial or Industrial Customer is defined to include each separate business enterprise, occupation, or institution using or controlling any unit or units of space, as an entire building, entire floor, suite of rooms or a single room, and using energy for commercial, industrial or institutional purposes.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Where a single business enterprise, occupation or institution occupies more than one unit of space in the conduct of the same business each separate unit will be metered separately and considered a distinct customer unless the customer makes the necessary provisions for approved circuits by which to connect the different units to permit the metering of all the energy used for each class of service in the various units through one meter. If more than one building is used for the single enterprise, and they are located upon contiguous property or separated only by public thoroughfares, service may be taken for the group at a single delivery location; if not so located, separate delivery locations shall be provided.

Prior to the effective date of this schedule, a landlord or building operator who rents space to others, with electricity furnished as an incident of tenancy and without a specific charge, therefore, may purchase electricity for the combination as a single commercial customer, including electricity used in his own business there located, if any.

Master Meter Service is defined to include customer installations where more than one individual residential dwelling unit or business enterprise unit is provided through a single energy and/or demand meter. For electric service, this definition would exclude motels, hotels, campgrounds, hospitals, nursing homes, college dormitories, and fraternity and sorority houses. For natural gas service, a master meter system is further defined to mean a pipeline system for distributing gas within, but not limited to, a definable area, such as a mobile home park, housing project or apartment complex where the operator purchases metered gas from an outside source for resale through a gas distribution pipeline system. The gas distribution pipeline system supplies the ultimate consumer who either purchases the gas directly through a meter or by other means, such as by rents. (R)

Electric master metering of multiple dwelling unit buildings constructed after March 1, 1980 shall be prohibited. Pursuant to PSC 113.0803 of the Wisconsin Administrative Code, each dwelling unit of a newly constructed multiple dwelling unit building, shall be individually metered on the respective rate (except above and/or allowed in Er-1.2). (C)

Temporary Customers

Residential customers are classed as temporary if there is a probability that service will be required for less than a three-year period. If the customer remains beyond the three-year period, service shall be reclassified as permanent with recalculation of the contribution and refunding as specified in Schedule RgT-1. (C)

In addition, mobile homes shall be classified as temporary for the initial three-year period if they do not meet the following requirements:

1. Permanently connected water system.
2. Permanently connected sewer system.
3. Full perimeter poured concrete or mortared block foundation.

Commercial and industrial customers are classed as temporary if there is a probability that service will be required for less than a three year period. Beyond the three year period, service shall be classified as permanent with recalculation of contribution and refunding as specified in Schedule CgT-1.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Optional Rates

When two or more rates are available for a given class of service, and where optional features are included in a particular schedule, the conditions under which they are applicable to customers are plainly set forth in the Company's published rate schedules. The Company shall advise the customer in the selection of the rate or rates which result in the lowest cost of service, based on 12 months' service and on the information at hand.

The selection of a rate or rates shall be reviewed every 12 months, whenever there is a change in rates, and whenever a request to do so is received from the customer. The customer shall be notified if any combination of services, change in voltage of delivery, or the installation of any equipment will result in a lower cost of service. (C)

Access to Customer's Premises

The Company will have the right of access to the customer's premises at all reasonable times for the purpose of installing, reading, inspecting and repairing any meters, devices and other equipment used in connection with its supply of electricity or for the purpose of removing its property.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

1. Deposits (R)

A. Residential Service

- 1) The Company shall not require a deposit or other guarantee as a condition of new service unless a customer has an outstanding balance with the Company or other Wisconsin electric or gas utility or cooperative which; 1) accrued within the last six years 2) are in arrears and there is no agreement or arrangement for payment being honored by the customer, and 3) is not in dispute. Such arrearages shall include failure to pay costs or fees awarded by a court of law or any extraordinary collection charges as specified in the utilities' tariffs. (R)
(C)(R)

In lieu of a cash deposit or guarantee, an applicant for new service who has an outstanding account accrued within the last six years with the Company shall have the right to receive service under a deferred payment agreement. The agreement shall require a reasonable amount of the outstanding balance to be paid at the time of application and the remaining outstanding balance to be paid in installments until the balance is paid in full.

- 2) The Company shall not require a deposit or other guarantee as a condition of continued service unless one or more of the following circumstances apply:
- a) The Company has shut off or discontinued the service of the customer within the last 12-month period for violation of the Company's filed rules or for nonpayment of a delinquent service account not currently in dispute. (R)
 - b) Subsequent credit information indicates that the initial application for service was falsified or application information is incomplete to the extent that it cannot be determined if a deposit may be required. (R)
 - c) Electric & Gas – The customer has the ability to pay for the utility service but, during the cold weather disconnections rules period, had an arrears amount incurred during that period that was 80 days or more past due. The Company may request a deposit under this section even if the customer's service has not been disconnected. (R)

- 3) The Company shall not require a deposit from customers that provide information demonstrating that their gross quarterly income is at or below 200 percent of the federal income poverty guidelines. (N)

- 4) In lieu of a deposit, the Company may accept a signed contract from a guarantor who meets the Company's credit requirements, Such guarantee may be made for the amount of the deposit or for the payment of all future bills. The term of a guarantor agreement made for future bills will be no longer than one-year and may be cancelled upon 30 days written notice to the Company. In the event that a guarantor cancels such an agreement with the Company, a deposit or new guarantor may be required. (N)

B. Commercial and Farm Service

If the credit of an applicant for service has not been established satisfactorily to the Company, a deposit may be required. In determining whether an applicant for service has satisfactorily established its credit, the Company shall inform the customer that it will consider the following factors before requiring a deposit: 1) credit information from credit reporting services; 2) letter of credit from a financial (R)



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

institution or another utility; 3) applicant’s business characteristics, such as type of business, length of time the applicant has operated, the applicant’s business experience and knowledge, and estimated size of the applicant’s bill; 4) assets of the business; 5) the financial condition of the business, as indicated in a financial statement; and 6) failure to pay a delinquent account including any costs or fees awarded by a court of law or any extraordinary collection charges as specified in the utilities’ tariffs. (N)
(N)

A new or additional deposit may be required from an existing customer if the customer has not made prompt payment of all bills within the last 24 consecutive months or in any case where a deposit is found to be inadequate to cover the highest actual bill for any two consecutive months, or if the customer has the ability to pay for the utility service but, during the cold weather disconnection rules period, had an arrears amount incurred during that period that was 80 days or more past due. Payment shall be considered “prompt” if it is made prior to notice of disconnection for nonpayment not in dispute. In lieu of a cash deposit or guarantee, the existing customer or applicant shall have the right to receive service under an installment payment agreement. The Company shall notify an applicant, within 30 days of the request for service, as to whether a deposit will be required.

After the written request for a deposit is made to a new or existing customer, the customer has at least 30 days to provide the deposit or enter a deferred payment agreement for the deposit amount. (R)
(R)

2. Conditions of Deposit

A. Amount of Deposit

Residential - Electric & Gas

The maximum deposit of a new account shall not exceed the highest estimated bills for any two consecutive months. Deposits for existing accounts shall not exceed the highest actual bill for any two consecutive months within the preceding 12-month period. If, during the cold weather disconnection rules period, a customer had an arrears amount incurred during this period that was 80 days or more past due and had the ability to pay for utility service, the deposit may not exceed the highest actual gross bills for any 4 consecutive months within the preceding 12 months review period, as determined by the Company.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Commercial & Farm - Electric & Gas

All of the conditions of deposit for residential service apply. In addition, if after a 12 month period, the deposit amount is shown to be greater than warranted based on actual consumption, the Company shall, at the customer's request, refund the difference between the two amounts, plus interest. (C)

B. Interest

Deposits shall bear simple interest payable from the date of deposit to the date of refund or discontinuance of service, whichever is earlier. The rate of interest is 5% to May 1, 1975; 7% from May 1, 1975 to December 1, 1980; 8% effective from December 1, 1980 to November 1, 1989; 8.8% effective from November 1, 1989 to January 1, 1990; 7.7% effective from January 1, 1990 to January 1, 1991; 7.2% effective from January 1, 1991 to January 1, 1992; 4.6% effective from January 1, 1992 to January 1, 1993; 3.8% effective January 1, 1993 to January 1, 1994; 3.6% effective from January 1, 1994 to January 1, 1995; 6.9% effective from January 1, 1995 to January 1, 1996; 5.4% effective from January 1, 1996 to January 1, 1997; 5.4% effective from January 1, 1997 to January 1, 1998; 5.5% effective from January 1, 1998 to January 1, 1999; 4.5 % effective from January 1, 1999 to January 1, 2000; 5.7% effective from January 1, 2000 to January 1, 2001; 6.0% effective from January 1, 2001 to January 1, 2002. Thereafter, as set by the Public Service Commission of Wisconsin.

C. Review

- 1) The Company shall review the payment record of each residential customer with a deposit on file at 12-month intervals. Unless a deposit is required under the provisions stated in paragraph 1.A., the Company shall not require a deposit from an applicant for service and shall refund the deposit of an existing customer.
- 2) In the case of commercial and farm service, the deposit shall be refunded after 24 consecutive months of prompt payment. Payment shall be considered "prompt" if it is made prior to notice of disconnection for nonpayment not in dispute.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

D. Refund

- 1) Any deposit or portion thereof refunded to a customer shall be refunded by check unless both the customer and the Company agree to a credit on the regular billing.
- 2) Upon termination of service, the deposit, with accrued interest shall be credited to the final bill and any balance shall be returned to the customer within 30 days.

E. Miscellaneous

- 1) The Company shall not require any customer to pay a deposit or establish a guarantee in lieu of deposit without explaining, in writing, why that deposit is being required. (R)
- 2) Service may be refused or disconnected for failure to pay a deposit request subject to the rules pertaining to disconnection and refusal of service.
- 3) Guarantee contracts, in lieu of a cash deposit, cannot exceed the amount of a cash deposit. The contract can be for no longer than one year for an electric or gas residential customer, and two years for an electric or gas commercial or farm customer, and shall automatically terminate after the commercial or residential customer has closed the account or at the guarantor's request upon 30 days written notice to the Company.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Disconnection of Service for Nonpayment

The utility shall not disconnect service unless written notice by first class mail is sent to the customer or personally served at least 10 calendar days prior to the first date of the proposed disconnection. Notice shall be sent to the service address and to the mailing address, if different. If disconnection is not done on or before the 20th day after the first notice date, a subsequent notice must be left on the premise not less than 24 hours nor (or) more than 48 hours prior to disconnection.

The utility shall make a reasonable effort to have a personal or telephone contact prior to disconnection. The Company shall keep a record of these contacts and contact attempts. (R)

The utility may disconnect service for the reasons set forth in PSC 113.0301(1m), 113.0302(2); 134.062 (1), 134.0622 (2); of the Wisconsin Administrative Code for electric and gas respectively.

The utility may not disconnect service for the reasons set forth in PSC 113.0301(8), 113.0302(8); 134.062 (6), 134.0622 (6); of the Wisconsin Administrative Code for electric and gas respectively.

The utility shall not disconnect any residential without notifying the County Department of Health and Social Services at least 5 calendar days prior to the scheduled disconnection, provided the customer or responsible person has made a written request for this procedure to the utility. The customer shall be appraised (apprised) of this right upon application for service.

A residential service shall not be disconnected on a day, or on a day immediately preceding a day, when the business offices of the utility are not available to the public for the purpose of transacting business matters.

If such written request has been made, a follow-up visit will be made to the occupied dwelling by the end of the workday following the disconnection, to check on the household's wellbeing and to ensure there is no danger to human health or life. The utility may request the visit be made by a representative of a city health department, local health and social service agency, local law enforcement agency or similar authority.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Reconnection of Service

After disconnection for nonpayment, service will be promptly restored after the customer:

1. Has paid a charge of:
 - a. \$30.00 for reconnection of service during regular business hours.
 - b. \$70.00 for reconnection of service after regular business hours.
2. Has paid the amount of the bill for which service was disconnected.
3. Has made satisfactory arrangements for a utility deposit and/or additional deposit if the need for one exists.

In lieu of payment in full, the utility shall offer a deferred payment agreement to residential customers and may offer payment arrangements to commercial customers. (R)
(R)



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Unpaid Rental Accounts in a Landlord's Name

PSC 113.0301(8)(c), 113.0302(8)(c), 134.062(6)(c), 134.0622(6)(c) prohibit disconnection of utility service for "failure to pay for a different type or class of utility service." (R)

In those situations of a landlord/homeowner (hereinafter landlord) where both the landlord's residence and the rental property are classified as residential, and the landlord applies for service in the landlord's name at the given rental location, the landlord is responsible for payment of these bills regardless of whether he/she is the actual user. The landlord is simply one customer receiving service at more than one location and responsibility for payment does not change.

An owner or property manager whose account is subject to disconnection action may avoid disconnection of service by making payment, by making an agreement with the utility for an extension of time for a specific period, by entering into a deferred payment agreement as described in the Wisconsin Administrative Code or by installing the required energy conservation measures in the property in question. Any disconnection will be in compliance with the Wisconsin Administrative Code.

Account arrears incurred by an owner or property manager for rental residential dwelling units or responsibility for non-compliance with energy conservation requirements as described in the Wisconsin Administrative Code may be transferred, without regard to class of service, to the home or office account of the owner or property manager.

The utility shall send written notice of the planned transfer of the account arrears or responsibility for non-compliance with energy conservation requirements to the owner or property manager prior to making the transfer.

Where rental residential dwelling service is in the tenant's name, and the tenant vacates the residential dwelling unit, continued utility service for such dwelling unit may be placed in the name of the owner or property manager. (C)

When a customer terminates service to the customer's rental dwelling unit, a public utility shall make a reasonable attempt to identify the party responsible for service to the rental dwelling unit after the customer's termination. If a responsible party cannot be identified, the public utility may give the owner written notice by regular or other mail of the public utility's intent to hold the owner responsible for service to the rental dwelling unit. The owner shall not be responsible for service if the public utility does not give the notice under this subsection or if, within 15 days after the date the notice is mailed, the owner notifies the public utility of the name of the party responsible for service to the rental dwelling unit, or notifies the utility that service to the rental dwelling unit should be terminated and affirms that service termination will not endanger human health or life or cause damage to property. (Wisconsin Statute, 196.643(1)). (R)



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Disconnection Notices

Bill Text:

Your service is subject to disconnection after <date> unless arrangements to pay the past due amount of \$< > can be made. Customer Service Representatives are available 24 hours a day to work with you.
Call 1-800-255-4268. (R)

- - -DISCONNECTION NOTICE - - -

Your service is subject to disconnection after (disc due date) unless you address the past due amount of (past due balance). Customer Representatives are available 24 hours a day to work with you.
Call 1-80-255-4268 today. (R)

To **avoid disconnection** use one of these options:

1. Make payment of the past due amount of (\$past due amount)
2. Make a minimum payment of (\$Minimum payment amount)
3. Call us to negotiate an acceptable down payment and arrangement for the account balance.

Your payment must be received by (disc due date) to avoid disconnection.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Bill Insert (copy)

**THIS MAY BE THE
LAST NOTICE YOU
RECEIVE PRIOR TO THE
DISCONNECTION DATE
ON YOUR BILL.**

To avoid disruption of your utility service, please pay your past due balance or take one of the following actions on or before the disconnection date

- Make the minimum payment indicated on your bill. The minimum payment is only available if it is made ON or BEFORE the disconnection due date.
- Make an acceptable down payment and payment arrangements. The down payment option is generally greater than the minimum payment option.

Save time. Use easy payment options

Avoid waiting on hold by using convenient self-service options available at alliantenergy.com/paymybill or by using self-service payment options on our automated phone system by calling 1-800-ALLIANT (1-800-255-4268).

Payment options using Western Union®
Speedpay® or Convenience Pay®

Special Note: Payments made through Western Union ON the disconnect due date – Please contact Alliant Energy at 1-800-255-4268 with payment confirmation number. If the payment confirmation number is not provided, we cannot guarantee the disconnection will be cancelled.

- Call Western Union Speedpay at 1-877-429-4126 or visit alliantenergy.com/speedpay to pay using your credit card or checking account. Western Union charges a transaction fee for this service.



DST00088947 MSN75-2434 ECRM160688 REV.5 11/12

Pay in person using cash, check or money order at any Western Union Convenience Pay location. To find a location near you, call 1-800-551-8001. Western Union charges a transaction fee for this service.

If your income is at or below federal poverty guidelines, you may qualify for energy assistance. Call the Wisconsin Home Energy Plus hotline at 1-866-432-8947 for information. The Customer Assistance Plus (CA+) program is also available to our customers. This is a program Alliant Energy sponsors to guide customers to community resources that may provide financial assistance and help establish an affordable payment agreement. CA+ representatives may be reached at 1-800-975-5785, Monday through Friday, 8:30 a.m. to noon and from 1 p.m. to 4:30 p.m.

Please call us at once at 1-800-ALLIANT (255-4268) if

- You dispute this notice of delinquent account.
- You would like to establish a deferred payment agreement
- Any resident in your household is seriously ill or if other circumstances exist, such as the presence of infants, young children or the aged, handicapped, mentally or physically challenged or if anyone is on life support systems or equipment, **you will need to contact Alliant Energy at 1-800-ALLIANT (1-800-255-4268)**. In these cases, disconnection may be postponed or service restored for up to 21 days to allow time to arrange for payment if a statement from a licensed Wisconsin physician, public health or social services official is submitted.

If payment is rendered on a non-sufficient funds check, your utility service may be subject to immediate disconnection without further notice.

To restore service if it has been disconnected, you will need to:

- Pay the full past due balance or make an acceptable down payment and payment arrangements
- Pay a reconnection fee
- Pay a deposit to cover future bills, if applicable

Service restoration is generally available the next business day.

If you dispute your bill or this notice, please contact us. We will investigate your inquiry. If you are not satisfied, you may contact the Public Service Commission of Wisconsin at 1-800-225-7729 to request an informal review of the situation.

Not all information contained in this document applies to commercial, industrial and farm customers.



Volume II, 2nd Revision, Sheet No. 43.21
Amendment 790, Schedule Xr-4.4

RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Urgent Notice—Door Hanger (copy)

Use easy payment options

- Pay online at alliantenergy.com/paymybill or call 1-800-ALLIANT (1-800-255-4268) to access our free one-time payment option using your checking or savings account.
- Call Western Union Speedpay at 1-877-429-4126 or visit alliantenergy.com/speedpay to pay using your credit card or checking account. Western Union charges a transaction fee for this service.
- Pay in person using cash, check or money order at any Western Union Convenience Pay location. To find a location near you, call 1-800-551-8001. Western Union charges a transaction fee for this service.

If payment is rendered on a non-sufficient funds check, your utility service may be subject to immediate disconnection without further notice.

If you meet low income guidelines, you may qualify for energy assistance funds. Call 1-866-432-8947.

Use las sencillas opciones de pago

- Puede pagar en línea en alliantenergy.com/paymybill o puede llamar al 1-800-ALLIANT (1-800-255-4268) para pagar con su cuenta de cheques o de ahorros por medio de nuestra opción gratuita de pago único.
- Llame a Western Union Speedpay al 1-877-429-4126 o visite alliantenergy.com/speedpay para pagar con su tarjeta de crédito o cuenta corriente. Western Union cobra una tarifa por operación, por este servicio.
- Pague personalmente con dinero en efectivo, cheque o giro postal en cualquier oficina de Western Union Convenience Pay. Para encontrar una oficina cercana a su domicilio, llame al 1-800-551-8001. Western Union cobra una tarifa por operación, por este servicio.

Si el pago se realiza con un cheque con fondos insuficientes, su servicio eléctrico podría estar sujeto a la desconexión inmediata sin previo aviso.

Si usted cumple con los requisitos de bajos ingresos, es posible que califique para recibir fondos de asistencia para energía. Llame al 1-866-432-8947.



URGENT NOTICE!

- Your utility service:
- was disconnected
 - will be disconnected on _____
- Due to:
- unpaid past due utility balance
 - unpaid deposit
 - unmet requirements on application for service

CALL: 1-800-ALLIANT (1-800-255-4268)

Interpreters are available.

Account # _____

Service restoration is generally available the next business day. To restore service if it has been disconnected, you will need to:

- Pay the full past due balance or make an acceptable down payment and payment arrangement.
- Pay a reconnection fee.
- Contact us so we can safely restore service.
- Pay a deposit to cover future bills, if applicable.

If this is a household where a medical or protective services emergency exists, contact Alliant Energy immediately at 1-800-ALLIANT. Be prepared to have your doctor or other professional verify the medical or protective services emergency in writing on a form provided by Alliant Energy.

Not all information in this document applies to commercial, industrial or farm customers.

¡AVISO URGENTE!

- Su servicio eléctrico
- fue
 - será
 - es temporal, y depende de que se cumplan los requisitos de la solicitud. Si los requisitos no se cumplen, su servicio será interrumpido el _____

- la factura eléctrica ha vencido y no se ha pagado
- no se ha cumplido el requisito de depósito
- no se ha cumplido el requisito de solicitud de servicio

LLAME AL: 1-800-ALLIANT (1-800-255-4268)

Disponemos de intérpretes.

Cuenta No. _____

El servicio por lo general se restaura el siguiente día hábil. Para restaurar su servicio si ha sido interrumpido, tendrá que:

- Pagar el saldo total vencido o hacer un pago parcial aceptable y arreglos de pago para el saldo pendiente.
- Pagar un recargo de reconexión.
- Llamarnos para que podamos restaurar el servicio de una manera segura.
- Si corresponde, pagar un depósito para cubrir facturas futuras.

Si en esta casa hay una emergencia por enfermedad crítica o servicios de protección, llame inmediatamente a Alliant Energy al 1-800-ALLIANT (1-800-255-4268). Será necesario que su doctor u otro profesional verifique por escrito la enfermedad en un formulario proporcionado por Alliant Energy.

IMPORTANT INFORMATION
INFORMACIÓN MUY IMPORTANTE



Volume II, 2nd Revision, Sheet No. 43.22
Amendment 790, Schedule Xr-4.5

RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Request for Access:

Bill Text when unable to read the meter:

We are unable to bill this meter. Please note that your next actual meter reading will include the cost of this month's energy. If you have questions, please give us a call at 1-800-255-4268. (R)

Door Hanger:

<p>Important Notice <i>(Please see other side)</i></p> <p>ALLIANT ENERGY</p> <p>Alliant Energy is the trade name of utility companies Wisconsin Power and Light Company and Interstate Power and Light Company</p> <p>Para la traducción en español, llame por favor al numero: <i>(For Spanish translation, please call:)</i></p> <p>1-800-ALLIANT 1-800-255-4268</p>	<p>ALLIANT ENERGY</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Date</td> <td style="width: 33%;">Time</td> <td style="width: 33%;">Acct. No.</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> <tr> <td colspan="3">Name/Address</td> </tr> <tr> <td colspan="3" style="height: 30px;"></td> </tr> </table> <p>Dear Customer: We were at your home to:</p> <p><input type="checkbox"/> Investigate reported gas odor</p> <p>The problem was: <input type="checkbox"/> Corrected <input type="checkbox"/> Not corrected</p> <p><input type="checkbox"/> Read your meter <input type="checkbox"/> Exchange your meter</p> <p><input type="checkbox"/> Gas Meter <input type="checkbox"/> Gas Meter</p> <p><input type="checkbox"/> Electric Meter <input type="checkbox"/> Electric Meter</p> <p><input type="checkbox"/> Perform required inspection of your gas system</p> <p><input type="checkbox"/> The gas has been shut off. Please call to have gas turned on/pilots relit.</p> <p><input type="checkbox"/> The service is not in your name</p> <p><input type="checkbox"/> To avoid a service interruption, call before: Date _____ Time _____ a.m./p.m.</p> <p><input type="checkbox"/> Other _____</p> <hr/> <p><input type="checkbox"/> Please call to schedule an appointment Call our Customer Service Center at 1-800-ALLIANT 1-800-255-4268 regarding <i>any</i> of the items checked above.</p> <p style="text-align: right; font-size: small;">75-0282 ECRM158621 REV.2 01/10</p>	Date	Time	Acct. No.				Name/Address					
Date	Time	Acct. No.											
Name/Address													



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Meter Reading, Billing Periods, and Payment Provision

The monthly meter reading day for a customer may be advanced or postponed by the Company not more than 5 days for electric and gas. The Company may allow the customer to supply meter readings using a postcard, provided a Company representative reads the meter at least once every six months and when there is a change of customer.

Electric and gas service bills are issued and payable each month. Billing periods consist of the period between meter reading dates which are approximately 30 days apart.

Late Payment

All late payment charges are in accordance with Wisconsin Administrative Codes, [§113.0406\(1\)\(i\)](#), and [134.13\(1\)\(j\)](#) at one percent per month not to exceed 12 percent annum. Customers served under the Budget Bill Payment Plan or the Fixed Amount Bill will be assessed late payment charges on the unpaid balance according to their payment plan unless they are removed from the program. Customers removed from these programs will be trued-up to their actual year-to-date cost and late payment charges will apply to past due balances. Late payment charges will not apply to any customer with an over-payment or credit balance at the time of billing.

Returned Payment

When a customer payment to the company is not honored by the customer's financial institution, the customer shall be billed an additional charge of \$30.00.

Bill Text: RETURNED PAYMENT FEE

Seasonal Billing

Seasonal customers being served under rate schedules Gs-1, Gs-2 or Gs-3 (excluding multi-unit dwellings) may elect to be billed the minimum monthly bill in lieu of being average billed on a bi-monthly basis during the off-season period. The off-season period cannot exceed six consecutive months. Service may remain connected during the off-season period. Incidental use during the months that the customer receives the minimum monthly bill will be included with the subsequent bi-monthly meter reading.

Seasonal customers must demonstrate to WPL that an off-season period with only incidental use will exist for the metered location. Customers being billed under the seasonal billing option may discontinue service at any time.

Credit Card Payment Charges

Customers may elect to pay their bill(s) via credit card without convenience fees subject to certain limitations as contracted with third party payment vendor(s).

(R)
|
(R)

Minimum Payment Option (MPO)

This option is for residential customers who cannot commit to an extended payment agreement but are faced with disconnection of utility service because of past-due utility bills.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Customers will be given an option to pay a percentage of the total bill (arrearage and current bill) to avoid disconnection of service. The starting percentage for the minimum amount will be 30% for the first disconnection notice due in the April billing cycle. This minimum percentage will increase by up to 10% for each succeeding month until September, but at no time will exceed 60% of the balance as the minimum amount. Payment of the minimum amount will avoid disconnection of service. The company shall inform Commission staff, Consumer Affairs, on a monthly basis of the applicable minimum payment percentage.

(R)
|
(R)

If the customer pays the minimum payment option, and the following month the arrears still fall within the disconnection parameters, the customer will be given this minimum payment option again.

Other payment options include full payment and deferred payment arrangements.

(D)

MPO is not available if customers fail to make necessary payments and as a result are disconnected.

Special Meter Readings

A special meter reading is when a customer requests meter readings to be performed on a schedule other than the scheduled meter reading day for the Company.

Special meter readings are available to customers under rate schedules Cg-2, Cp-1, and Cp-2.

For special meter readings, the customer shall:

1. Pay WP&L the full cost incurred by the Company to perform special meter reading(s).
2. Submit the request to the Company at least 30 days prior to the date the first special meter reading is to take place. Special meter readings shall apply to all Company meters located on the customer's premises including electric and gas meters, where appropriate.
3. Enter into a contract with the Company which will state the location(s) that is (are) affected, dates of meter readings, and monthly costs.
4. Be required to specify 12 meter reading dates that cover in total between 362 and 369 days for customer requesting more than 2 special meter readings annually. The time between special meter readings shall at no time be less than 28 days or more than 33 days.

The Company reserves the right to refuse any meter reading schedule that would circumvent the intent of the Company's rate schedules.



Volume II, Original Sheet No. 44.02
Amendment 540, Schedule Xr-5.3

RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Arrears Management Program (AMP)—Pilot

All residential customers participating in the Low-Income Energy Assistance Program (LIHEAP) will be enrolled in the Arrears Management Program pilot if they have a past due balance over an established dollar threshold for 60 or more days.

Enrollment will result in an initial percentage of arrears forgiveness on their past due balance, and each subsequent monthly on-time bill payment will result in an additional 1/12 of arrears forgiveness on the customer's past due balance. Enrolled customers will not be disconnected for arrearages.

Customers that miss two consecutive months of timely bill payment will be removed from the program. The Company will notify customers of the risk of removal from the Arrears Management Program after the first missed bill payment. Customers that are removed from the program are eligible to participate again if they pay off their arrears balance and then subsequently meet program requirements.

The Company will notify the Commission of the established dollar threshold and initial percentage of arrears forgiveness, which may be revised due to overall unpaid bill amounts and the health of the economy. Customers taking service under other utility payment programs are not eligible for the Arrears Management Program until they are removed from these other payment programs and meet the Arrears Management Program criteria.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE (R)

Budget Bill Payment Plan

Eligibility

Residential customers and commercial accounts that provide residential living, such as apartment buildings are eligible for the Budget Bill program. This program is not available to “non-residential living” commercial or industrial customers. However, all customers participating in the Level Payment Plan prior to the date of this filing may remain on the program.

Purpose

The Budget Bill program allows customers to average the amount they pay each month over a year. The goal of this program is to provide customers with consistent monthly payments and to reduce the variability in their monthly bill. Changes to the level payments are to be kept to a minimum.

Enrollment

A customer may apply for the Budget Bill payment plan at any time.

Calculation of the Budget Bill Amount

The Company estimates the annual amount the customer will pay for utility service for the next twelve months and then divides this amount by twelve to arrive at the customer’s monthly budget bill payment.

Review and Adjustments

The month that the customer first enrolls in the program will establish the review schedule unless overridden by the District Office when entering the initial information. Every six months thereafter, actual usage will be compared to the customer’s monthly budget bill payments for the previous six months.

Budget Bill amounts are adjusted annually and may be adjusted semi-annually to better reflect actual usage and to amortize debit or credit balances. A semi-annual adjustment will only be implemented if the calculated new monthly bill payment deviates by plus or minus ten percent from the current monthly budget bill payment. Deviations less than ten percent will only be adjusted at the annual review.

If a change to the budget bill payment is appropriate, the customer shall be notified. Additionally, the monthly bill will show the amount of the current regular bill for service used on each meter, the Budget Bill payment is payable on or before the specified due date.

After a new budget balance is calculated, any credit or debit balances will be amortized over the next 12 months. In the event of a credit balance, customers may request a refund.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE (R)

Customers without a Full-Year of Service History

The Company will estimate usage for customers that do not have a full year of service history.

Failure to Pay

A customer will automatically be removed from the Budget Bill program for failure to pay the level installment bill for two consecutive months. A message on the customer's bill will warn them after the first month of non-payment, the subsequent bill will show all budget amount plus arrears due and payable along with a message indicating they have been removed from the pay plan.

Withdrawal from Budget Bill

A customer may request to withdraw from the program. Upon removal or withdrawal, any debit balance becomes immediately due. Credit balances will be applied to the bill or the customer may request a refund check.

When a customer moves before the plan year is completed, the Company will close the Budget Bill account. The final bill will be adjusted for the current unbilled debit or credit balance.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE (R)

Billing When Unable to Read Meter

When the Company is unable to secure a meter reading after reasonable effort, the Customer will be billed on estimated consumption and the difference adjusted when the meter is again read. The basis of such estimates shall be normal energy consumption for similar periods in other years and normal consumption of preceding months.

When an actual meter reading indicates that a previous estimated bill(s) were abnormally high or low, the bill may be re-calculated for the period(s) in which estimated bills occurred since the last actual reading. Consumption will be distributed over this period to reflect the normal usage pattern of the customer. The previous estimated charge(s) will be deducted from the recalculated total. If there is evidence to indicate that actual use was not uniform throughout the period, the billing shall be adjusted according to available information.

Billing for Fractional Month's Service

When a customer commences or discontinues service between the regular monthly meter reading dates, the Company will prorate the Fixed Charges, the minimum bill, and the demand and energy steps of the rate applicable to the particular service, unless the schedule is governed by contract or rules and regulations which otherwise provide. Such proration of the steps shall be upon the basis of the actual number of days.

Billing When Meter is Over-read

When a meter is over-read by an amount that exceeds the following month's consumption, the correct consumption shall be ascertained for the two months and a bill will be computed. A demand/energy electric computation follows:

The Fixed Charge, the size of the rate steps for the demand (KW) and for energy (KWH) and will be doubled and the respective meter readings demand (KW) and energy (KWH), will be spread according to the results thus obtained. The bill will then be determined by applying the charges set forth in the schedule and by crediting the result with any minimum charges and payments on account made for the previous month.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Billing When Meters Fail to Properly Register Consumption

In all cases where a Company meter because of improper adjustment, defective parts, failure of auxiliary equipment, or protective apparatus, is found to be registering outside of the allowable limit of error set forth below, corrections in the customer's billing will be made as shown below:

In making the adjustments for errors in meter indications, due considerations will be given to immediate previous months' consumption, consumption in similar periods of other years, comparative uses and sizes of connected loads, and any other facts pertaining.

Electric Meters

Whenever a meter installation is found upon any test to be in error by more than 2% or a demand metering installation more than 1.5% plus the errors allowed in s. PSC 113.0812, a recalculation of bills shall be made for the period of inaccuracy. The adjustment of bills shall be made in accordance with the procedures in the Wisconsin Administrative Code (PSC 113.0924 and PSC 113.0818) (C)

Gas Meters

Whenever a meter whether upon complaint or routine test is found defective or to have a weighted average error of more than 2%, the Company shall make an adjustment with the customer of the bills for service as prescribed in s. PSC 134.14 of the Wisconsin Administrative Code.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE (R)

Additional Meters for Customer's Convenience – Electric & Gas (CLOSED SCHEDULE TO ELECTRIC & GAS)

Upon request by a customer, the Company will install, maintain and remove additional standard metering equipment on the load side of the principal meter under the following conditions:

1. Such meters will be supplied by the Company only on the same premises where the customer purchases his supply of the utility commodity from the Company.
2. All wiring, or piping, and supports to accommodate the additional metering equipment shall be supplied by the customer.
3. Meters are not supplied for sub-metering contrary to the Company's standard rule pertaining to the determination of the proper rate schedule and prohibiting the resale of energy.
4. Initial Charge - The customer shall pay an initial charge, which will cover the costs of installation and removal, as follows:

<u>Electric</u>	Single Phase Meter	\$143.87	
	Three Phase Meter	\$223.84	
<u>Gas</u>	Less than 1M Meter	\$144.00	
	1M Meter or Larger	\$268.50	(D)

5. Rental Charge - The customer shall pay a monthly rental charge as follows:

<u>Electric</u>	<u>Monthly Rental</u>	
Meters costing up to \$25.00	\$0.40	
Meters costing over \$25.00	\$0.40 plus 1.5% of the cost in excess of \$25.00	
<u>Gas</u>		
Meters costing up to \$75.00	\$1.10	
Meters costing over \$75.00	\$1.10 plus 1.5% of the cost in excess of \$75.00	(D)



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE

Interference with Metering of Utility Service – Electric & Gas

When the Company has sufficient evidence that a customer is obtaining electricity or gas service, in whole or in part, by means of devices or methods which stop or interfere with the proper metering of the utility service being delivered to the premises or otherwise results in unmetered utility service being delivered to the premises, the Company reserves the right to estimate and present immediately a bill for the unmetered utility service as a result of such stoppage or interference.

The bill for unmetered utility service shall be payable within 24 hours of presentation to the customer. If the electric bill is not paid in full, the customer will be subject to a ten-day notice of disconnection of utility service as outlined in the Wisconsin Administrative Code PSC 113.301. If the gas bill is not paid in full, the customer will be subject to an eight-day notice of disconnection of utility service as outlined in the Wisconsin Administrative Code PSC 134.062. The customer is subject to immediate disconnection if the stoppage or interference with the metering creates a hazardous situation. (R)

When stoppage or interference with metering at a customer's premises is confirmed, the customer will be required to meet the following conditions for continuation or reconnection of utility service:

1. All stoppage or interference with the metering must be corrected, such correction to include removal of any devices, pipes, wires, etc. responsible for the stoppage or interference, and cessation of any methods responsible for the stoppage or interference.
2. The customer will be required to pay the Company for losses of revenue occasioned by stoppage or interference with it's metering.
3. The customer will be required to pay the Company for any and all damages to its equipment on the customer's premises due to such stoppage or interference with its metering.
4. Where, in the opinion of the Company, the stoppage or interference is intentional, the customer will be required to pay the Company for any and all labor and other expenses incurred in investigating and correcting the stoppage or interference. Such expenses shall include trips to the customer's premises to verify and correct the stoppage or interference, paperwork associated with reporting the stoppage or interference and calculating a corrected bill, and any other necessary and directly related expenses resulting from the stoppage or interference.
5. Where the stoppage or interference is in connection with electric service metering, the customer may be required (at his own expense) to place all of the inside service wires to the meter in rigid conduit, and to have installed, at his own expense, a steel meter cabinet and/or an outdoor meter socket of a type to be selected by the Company.



RULES AND REGULATIONS APPLICABLE TO ELECTRIC AND GAS SERVICE (R)

Limitation of Customer's Liability for Unbilled Service

A retail service customer shall not be liable for unbilled utility service two years after the ending date of such service period unless the customer obtained the service through fraud or deception.

Weekly Billing of Electric and Gas Services

At its discretion, the Company may render electric and gas bills on a weekly basis when a customer meets the following two requirements:

- a) Average monthly bill for a single account over the previous 12 months is greater than \$50,000.
- b) The Customer has filed Chapter 11 bankruptcy.

Upon implementation of weekly billing, the meter will be read on a weekly basis.



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>	
Adams	C, T	Adams	E	(R)
Adams	T	Green	E	(R)
Alban	T	Portage	E	
Albany	V, T	Green	E	
Albion	T	Dane	E, G	
Algoma	T	Winnebago	G	
Almon	T	Shawano	E	
Almond	V, T	Portage	E	
Alto	T	Fond du Lac	E, G	
Amherst	V, T	Portage	E, G	
Amherst Jct.	V	Portage	E, G	
Angelo	T	Monroe	E	(N)
Aniwa	V, T	Shawano	E	
Arena	V, T	Iowa	E	
Argyle	V, T	Lafayette	E, G	
Arlington	V, T	Columbia	E, G	
Arpin	V, T	Wood	E	
Ashford	T	Fond du Lac	G	
Auburn	T	Fond du Lac	G	
Auburndale	V, T	Wood	E	
Aurora	T	Waushara	E, G	
Avoca	V	Iowa	E	
Avon	T	Rock	E	(N)
Bagley	V	Grant	E	
Baraboo	C, T	Sauk	E, G	
Barneveld	V	Iowa	E	
Bartelme	T	Shawano	E	(N)
Bear Creek	T	Sauk	E	
Beaver Dam	C, T	Dodge	E, G	
Beetown	T	Grant	E	(N)
Bell Center	V	Crawford	E	
Belle Plaine	T	Shawano	E	
Belleville	V	Dane & Green	E	
Beloit	C, T	Rock	E, G	(R)
Belmont	V, T	Lafayette	E, G	(R)
Belmont	T	Portage	E	(R)
Benton	V, T	Lafayette	E, G	
Berlin	C, T	Green Lake	E, G	(R)
Berlin	C	Waushara	E, G	(R)
Berry	T	Dane	E	
Big Falls	V	Waupaca	E	
Big Flats	T	Adams	E	(N)
Birnamwood	V, T	Shawano	E	
Black Earth	V, T	Dane	E	(R)
Black Wolf	T	Winnebago	E, G	(R)

* City, Town, or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>	
Blanchard	T	Lafayette	E, G	
Blanchardville	V	Lafayette	E, G	
Blanchardville	V	Iowa	E, G	(N)
Bloomfield	T	Walworth	E	
Bloomfield	T	Waushara	E	(N)
Blooming Grove	T	Dane	E	
Bloomington	V, T	Grant	E	
Blue Mounds	V, T	Dane	E	
Blue River	V	Grant	E	
Boaz	V	Richland	E	
Boscobel	C, T	Grant	E	(R)
Bowler	V	Shawano	E	
Bradford	T	Rock	E, G	
Brandon	V	Fond du Lac	E, G	
Bridgeport	T	Crawford	E	
Brigham	T	Iowa	E	
Bristol	T	Dane	E	
Brodhead	C	Green	E	(N)
Brooklyn	V	Dane	E, G	(R)
Brooklyn	V, T	Green	E, G	(N)
Brooklyn	T	Green Lake	E, G	(R)
Brownsville	V	Dodge	G	
Browntown	V	Green	E	
Buena Vista	T	Portage	E	(N)
Buena Vista	T	Richland	E, G	(R)
Buffalo	T	Marquette	E	
Burnett	T	Dodge	E, G	(R)
Burke	T	Dane	E	
Byron	T	Fond du Lac	E, G	
Cadiz	T	Green	E	
Calamus	T	Dodge	E, G	
Caledonia	T	Columbia	E, G	
Calumet	T	Fond du Lac	E, G	
Cambria	V	Columbia	E, G	
Cambridge	V	Dane & Jefferson	E, G	
Camp Douglas	V	Juneau	E, G	
Campbellsport	V	Fond du Lac	E, G	(R)
Carson	T	Portage	E	
Cary	T	Wood	E	
Cassville	V, T	Grant	E	(R)
Castle Rock	T	Grant	E	
Cazenovia	V	Richland	E	(R)
Center	T	Rock	E, G	
Centerville	T	Manitowoc	E	(N)
Chester	T	Dodge	E, G	

* City, Town or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>	
Christiana	T	Dane	E, G	(R)
Clarno	T	Green	E	
Clayton	T	Crawford	E	
Clearfield	T	Juneau	G	(N)
Cleveland	T	Marathon	E	
Clifton	T	Grant	E, G	
Clifton	T	Monroe	E	(N)
Clinton	V, T	Rock	E	
Clintonville	C	Waupaca	E	(N)
Clyde	T	Iowa	E	
Clyman	T	Dodge	E	
Cobb	V	Iowa	E, G	
Coloma	V, T	Waushara	E	
Columbus	C, T	Columbia	E	(R)
Cottage Grove	V, T	Dane	E, G	
Courtland	T	Columbia	E, G	
Cranmoor	T	Wood	E	
Cross Plains	T	Dane	E	
Crystal Lake	T	Marquette	E	
Cuba City	C	Grant	E	(N)
Dakota	T	Waushara	E	
Dane	V, T	Dane	E	
Darien	V, T	Walworth	E	
Darlington	C, T	Lafayette	E, G	
Day	T	Marathon	E	
Dayton	T	Richland	E	
Dayton	T	Waupaca	E	(N)
Decatur	T	Green	E	
Deerfield	V, T	Dane	E, G	(R)
Deerfield	T	Waushara	E	(R)
DeForest	V	Dane	E	
DeKorra	T	Columbia	E, G	
Delavan	C, T	Walworth	E	
Dell Prairie	T	Adams	E, G	(R)
Dellona	T	Sauk	E, G	(R)
Delton	T	Sauk	E, G	
Dewey	T	Portage	E	(N)
Dexter	T	Wood	E	(N)
Dickeyville	V	Grant	E	
Dodgeville	C, T	Iowa	E, G	
Doty	T	Oconto	E	(N)
Douglas	T	Marquette	E	
Doylestown	V	Columbia	E	
Dunkirk	T	Dane	E, G	(R)
Dunn	T	Dane	E, G	
DuPont	T	Waupaca	E, G	
Eagle	T	Richland	E	

* City, Town or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>	
Eastman	V, T	Crawford	E	(R)
Easton	T	Adams	E	(N)
Eau Pleine	T	Marathon	E	(N)
Eau Pleine	T	Portage	E	
Eden	V, T	Fond du Lac	E, G	(R)
Eden	T	Iowa	E, G	(R)
Edgerton	C	Dane & Rock	E, G	(R)
Eland	V	Shawano	E	
Elderon	V, T	Marathon	E	(R)
Eldorado	T	Fond du Lac	E, G	
Elk Grove	T	Lafayette	E, G	(R)
Elkhorn	C	Walworth	E	(N)
Ellenboro	T	Grant	E	
Elroy	C	Juneau	E	(N)
Embarrass	V	Waupaca	E	
Emmet	T	Marathon	E	(N)
Empire	T	Fond du Lac	E, G	
Endeavor	V	Marquette	E	
Evergreen	T	Langlade	E	
Excelsior	T	Sauk	E, G	(R)
Exeter	T	Green	E	
Fairbanks	T	Shawano	E	
Fairfield	T	Sauk	E	
Fairwater	V	Fond du Lac	E	
Fall River	V	Columbia	E	
Farmington	T	Waupaca	E	
Fayette	T	Lafayette	E	
Fennimore	T	Grant	E	
Ferryville	V	Crawford	E	
Fitchburg	C	Dane	E, G	
Fond du Lac	C, T	Fond du Lac	E, G	
Fontana	V	Walworth	E	
Footville	V	Rock	E, G	
Forest	T	Fond du Lac	E	
Fort Winnebago	T	Columbia	E, G	
Fountain	T	Juneau	E, G	
Fountain Prairie	T	Columbia	E	
Fox Lake	C, T	Dodge	E, G	
Franklin	T	Sauk	E, G	
Franzen	T	Marathon	E	
Freedom	T	Sauk	E, G	
Freeman	T	Crawford	E	
Friendship	V	Adams	E	(R)
Friendship	T	Fond du Lac	E, G	(R)
Friesland	V	Columbia	E	
Fulton	T	Rock	E, G	

* City, Town or Village

** Electric and/or Gas

(R)



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>
Gays Mills	V	Crawford	E
Geneva	T	Walworth	E
Genoa City	V	Walworth	E
Germania	T	Shawano	E (N)
Germantown	T	Juneau	E, G (R)
Glen Haven	T	Grant	E
Glendale	T	Monroe	E
Grand Rapids	T	Wood	E
Grant	T	Monroe	E (R)
Grant	T	Portage	E (N)
Grant	T	Shawano	E, G (R)
Gratiot	V, T	Lafayette	E
Green Lake	C, T	Green Lake	E, G
Green Valley	T	Marathon	E
Greenfield	T	Monroe	E (R)
Greenfield	T	Sauk	E, G (R)
Gresham	V	Shawano	E (N)
Hampden	T	Columbia	E
Hancock	V, T	Waushara	E
Haney	T	Crawford	E
Hansen	T	Wood	E
Harmony	T	Rock	E, G
Harris	T	Marquette	E
Hatley	V	Marathon	E
Hazel Green	V, T	Grant	E, G
Helvetia	T	Waupaca	E (N)
Herman	T	Dodge	E (R)
Herman	T	Shawano	E (N)
Herman	T	Sheboygan	E (R)
Hickory Grove	T	Grant	E
Highland	V, T	Iowa	E, G
Hillsboro	C, T	Vernon	E, G
Holland	T	Sheboygan	E (N)
Hollandale	V	Iowa	E
Honey Creek	T	Sauk	E
Horicon	C	Dodge	E, G
Howard's Grove	V	Sheboygan	E
Hubbard	T	Dodge	E, G
Hustisford	T	Dodge	E (N)
Hustler	V	Juneau	E
Hutchins	T	Shawano	E
Iola	V, T	Waupaca	E, G
Ironton	V, T	Sauk	E (R)
Ithica	T	Richland	E
Jackson	T	Adams	E
Jamestown	T	Grant	E, G (R)
Janesville	C, T	Rock	E, G

* City, Town or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>
Jefferson	T	Green	E, G
Johnstown	T	Rock	E, G (R)
Jordan	T	Green	E, G (R)
Junction City	V	Portage	E (N)
Juneau	C	Dodge	E, G (R)
Kekoskee	V	Dodge	E, G
Kendall	T	Lafayette	E (R)
Kendall	V	Monroe	E (R)
Kildare	T	Juneau	E, G (R)
Kingston	V, T	Green Lake	E
Kohler	V	Sheboygan	E
La Grange	T	Monroe	E
La Prairie	T	Rock	E, G
Lake Delton	V	Sauk	E, G
Lake Geneva	C	Walworth	E
Lake Mills	T	Jefferson	E
Lamartine	T	Fond du Lac	E, G (R)
Lanark	T	Portage	E
Lancaster	C	Grant	E
Larabee	T	Waupaca	E, G
Lafayette	T	Walworth	E (N)
LaValle	V, T	Sauk	E, G
Leeds	T	Columbia	E
Lemonweir	T	Juneau	E, G
Leola	T	Adams	E
Leon	T	Waushara	E
LeRoy	T	Dodge	E, G
Lewiston	T	Columbia	E, G
Liberty	T	Grant	E
Lima	T	Grant	E, G
Lima	T	Sheboygan	E (N)
Lime Ridge	V	Sauk	E
Lincoln	T	Adams	E (N)
Lincoln	T	Monroe	E
Linden	V, T	Iowa	E, G
Lindina	T	Juneau	E, G
Linn	T	Walworth	E
Linwood	T	Portage	E (N)
Lisbon	T	Juneau	E, G
Little Grant	T	Grant	E
Little Wolf	T	Waupaca	E, G
Livingston	V	Grant & Iowa	E, G
Lodi	C, T	Columbia	E (R)
Loganville	V	Sauk	E, G (R)
Lohrville	V	Waushara	E
Lomira	V, T	Dodge	E, G
Lone Rock	V	Richland	E, G (R)
Lowell	T	Dodge	E (N)
Lowville	T	Columbia	E, G

* City, Town or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>	
Lyndon	T	Juneau	E, G	(R)
Lyndon Station	V	Juneau	E, G	(R)
Lynxville	V	Crawford	E	
Lyons	T	Walworth	E	
Mackford	T	Green Lake	E	
Madison	C	Dane	E	
Magnolia	T	Rock	E	
Manawa	C	Waupaca	E, G	
Manchester	T	Green Lake	E	
Marcellon	T	Columbia	E, G	(R)
Marietta	T	Crawford	E	(N)
Marion	T	Grant	E	(N)
Marion	T	Juneau	E	(N)
Marion	C	Shawano & Waupaca	E, G	(R)
Marion	T	Waushara	E	(R)
Markesan	C	Green Lake	E	
Marquette	V, T	Green Lake	E	
Marshfield	T	Fond Du Lac	G	(N)
Marshall	T	Richland	E	
Matteson	T	Waupaca	E	
Mattoon	V	Shawano	E	
Mauston	C	Juneau	E, G	
Mayville	C	Dodge	E, G	
Mazomanie	T	Dane	E	
McFarland	V	Dane	E, G	
McMillan	T	Marathon	E	
Mecan	T	Marquette	E	(N)
Medina	T	Dane	E	(N)
Merrimac	V, T	Sauk	E, G	
Metomen	T	Fond du Lac	E, G	
Middleton	C, T	Dane	E	
Mifflin	T	Iowa	E, G	
Milladore	V, T	Portage & Wood	E	
Milliston	T	Jackson	E	(R)
Milton	C, T	Rock	E, G	
Mineral Point	C, T	Iowa	E, G	
Monroe	C, T	Green	E	
Montello	C, T	Marquette	E	
Montfort	V	Grant & Iowa	E, G	
Monticello	V	Green	E	
Monticello	T	Lafayette	E	(N)
Montrose	T	Dane	E	
Morris	T	Shawano	E	(N)
Moscow	T	Iowa	E, G	
Mosel	T	Sheboygan	E	
Moundville	T	Marquette	E	
Mount Hope	V, T	Grant	E	
Mount Horeb	V	Dane	E	(N)
Mount Ida	T	Grant	E	(N)

* City, Town or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>	
Mount Morris	T	Waushara	E	(N)
Mount Pleasant	T	Green	E, G	(R)
Mt. Sterling	V	Crawford	E	
Muscoda	V, T	Grant & Iowa	E	(N)
Navarino	T	Shawano	E	(N)
Necedah	V, T	Juneau	E, G	(R)
Nekimi	T	Winnebago	E	(N)
Nekoosa	C	Wood	E	
Nelsonville	V	Portage	E, G	
Nepeuskum	T	Winnebago	E, G	
Neshkoro	V, T	Marquette	E	
New Diggings	T	Lafayette	E, G	
New Glarus	V, T	Green	E	(R)
New Haven	T	Adams	E	
New Hope	T	Portage	E	
New Lisbon	C	Juneau	E, G	(R)
Newark	T	Rock	E	
Newport	T	Columbia	E, G	
Newton	T	Marquette	E	
Norrie	T	Marathon	E	
No. Fond du Lac	V	Fond du Lac	E, G	
No. Freedom	V	Sauk	E, G	
No. Lancaster	T	Grant	E	
Norwood	T	Langlade	E	
Oak Grove	T	Dodge	E, G	
Oakfield	V, T	Fond du Lac	E, G	
Oakland	T	Jefferson	E, G	
Oasis	T	Waushara	E	
Ogdensburg	V	Waupaca	E	
Omro	C, T	Winnebago	E, G	
Ontario	V	Vernon	E	
Orange	T	Juneau	E, G	
Oregon	V, T	Dane	E, G	
Orfordville	V	Rock	E, G	
Orion	T	Richland	E	
Osceola	T	Fond du Lac	E	
Otsego	T	Columbia	E, G	
Oxford	V, T	Marquette	E	
Pacific	T	Columbia	E, G	
Packwaukeee	T	Marquette	E	
Pardeeville	V	Columbia	E, G	(R)
Paris	T	Grant	E	
Patch Grove	V, T	Grant	E	
Pella	T	Shawano	E	
Perry	T	Dane	E	
Pine Grove	T	Portage	E	(N)
Pittsville	C	Wood	E	
Plain	V	Sauk	E, G	
Plainfield	V, T	Waushara	E	

* City, Town or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>
Platteville	C, T	Grant	E, G
Pleasant Springs	T	Dane	E, G
Plover	T	Marathon	E
Plover	T	Portage	E (N)
Plymouth	T	Juneau	E (N)
Plymouth	T	Rock	E, G
Polar	T	Langlade	E
Portage	C	Columbia	E, G
Port Edwards	V, T	Wood	E
Porter	T	Rock	E, G
Potosi	V, T	Grant	E
Poygan	T	Winnebago	E, G (R)
Poynette	V	Columbia	E, G
Poy Sippi	T	Waushara	E, G (R)
Prairie du Chien	C, T	Crawford	E
Prairie du Sac	V, T	Sauk	E, G
Preston	T	Adams	E
Price	T	Langlade	E (N)
Primrose	T	Dane	E
Princeton	T	Green Lake	E
Pulaski	T	Iowa	E
Quincy	T	Adams	E (N)
Randall	T	Kenosha	E
Randolph	V, T	Columbia & Dodge	E, G (R)
Red Granite	V	Waushara	E
Reedsburg	C, T	Sauk	E, G
Rewey	V	Iowa	E, G
Richfield	T	Adams	E (N)
Richfield	T	Wood	E
Richford	T	Waushara	E (N)
Richland	T	Richland	E
Richland Center	C	Richland	E (N)
Richmond	T	Shawano	E (R)
Richmond	T	Walworth	E (N)
Richwood	T	Richland	E
Ridgeville	T	Monroe	E
Ridgeway	V, T	Iowa	E
Ringle	T	Marathon	E (R)
Rio	V	Columbia	E, G
Ripon	C, T	Fond du Lac	E, G (R)
Rock	T	Rock	E, G (R)
Rock	T	Wood	E (R)
Rockbridge	T	Richland	E (N)
Rock Springs	V	Sauk	E, G
Rockdale	V	Dane	E, G
Rock Springs	V	Sauk	E, G
Rolling	T	Langlade	E (N)
Rose	T	Waushara	E
Rosendale	V, T	Fond du Lac	E, G

* City, Town or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>	
Rosholt	V	Portage	E	
Roxbury	T	Dane	E	
Royalton	T	Waupaca	E	(N)
Rudolph	V, T	Wood	E	
Rushford	T	Winnebago	E, G	
Rutland	T	Dane	E, G	
Saint Lawrence	T	Waupaca	E	
Saint Marie	T	Green Lake	E, G	
Saratoga	T	Wood	E	
Sauk City	V	Sauk	E, G	(R)
Saxeville	T	Waushara	E	
Scandinavia	V, T	Waupaca	E, G	
Scott	T	Columbia	E	(N)
Seneca	T	Crawford	E	(R)
Seneca	T	Green Lake	E	(N)
Seneca	T	Shawano	E	(R)
Seneca	T	Wood	E	(N)
Seven Mile Creek	T	Juneau	G	(N)
Seymour	T	Lafayette	E	
Sharon	V, T	Walworth	E	
Sheboygan	C, T	Sheboygan	E	
Sheboygan Falls	C, T	Sheboygan	E	(R)
Sheldon	T	Monroe	E	
Sherry	T	Wood	E	
Shields	T	Marquette	E	(N)
Shullsburg	C, T	Lafayette	E	(R)
Sigel	T	Wood	E	
Smelser	T	Grant	E	
Soldiers Grove	V	Crawford	E	
So. Lancaster	T	Grant	E	
So. Wayne	V	Lafayette	E	
Spring Green	V, T	Sauk	E, G	
Spring Grove	T	Green	E	
Spring Valley	T	Rock	E, G	
Springdale	T	Dane	E	
Springfield	T	Dane	E	
Springfield	T	Marquette	E	(N)
Springvale	T	Columbia	E, G	(R)
Springvale	T	Fond du Lac	E, G	(R)
Springville	T	Adams	E	(N)
Springwater	T	Waushara	E	
Steuben	V	Crawford	E	
Stockton	T	Portage	E	
Stoughton	C	Dane	E, G	(R)
Strongs Prairie	T	Adams	E	
Summit	T	Juneau	E	
Sumner	T	Jefferson	E, G	
Sumpter	T	Sauk	E, G	
Sun Prairie	C, T	Dane	E, G	(R)

* City, Town or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>
Sylvester	T	Green	E, G
Taycheedah	T	Fond du Lac	E, G
Tennyson	V	Grant	E
Theresa	V, T	Dodge	E, G
Tomah	C, T	Monroe	E
Trenton	T	Dodge	E, G
Troy	T	Sauk	E, G
Trust Land	T	Menominee	E
Turtle	T	Rock	E, G (R)
Twin Lakes	V	Kenosha	E
Union	T	Rock	E (R)
Union	T	Waupaca	E (R)
Union Center	V	Juneau	E, G
Utica	T	Crawford	E (R)
Utica	T	Winnebago	E, G (N)
Vermont	T	Dane	E
Verona	C, T	Dane	E (R)
Vesper	V	Wood	E (R)
Vienna	T	Dane	E
Waldwick	T	Iowa	E
Walworth	V, T	Walworth	E
Warren	T	Waushara	E
Warrens	V	Monroe	E
Washington	T	Green	E (R)
Washington	T	Sauk	E (R)
Watterstown	T	Grant	E
Waukechon	T	Shawano	E (N)
Waunakee	V	Dane	E (N)
Waupaca	T	Waupaca	E (N)
Waupun	C, T	Dodge & Fond du Lac	E, G
Wautoma	C, T	Waushara	E
Wauzeka	V, T	Crawford	E (R)
Wayne	T	Lafayette	E
Wellington	T	Monroe	E
Wells	T	Monroe	E (N)
West Baraboo	V	Sauk	E (N)
Westcott	T	Shawano	E (N)
Westfield	T	Marquette	E (N)
Westfield	T	Sauk	E, G (N)
Westford	T	Dodge	E, G (N)
Westford	T	Richland	E (N)
Westpoint	T	Columbia	E
Westport	T	Dane	E
Wheatland	T	Kenosha	E
White Lake	V	Langlade	E
White Oak Springs	T	Lafayette	E (N)
Whitestown	T	Vernon	E (N)
Wild Rose	V	Waushara	E
Williams Bay	V	Walworth	E

* City, Town or Village

** Electric and/or Gas



COMMUNITY INDEX

COMMUNITIES SERVED RETAIL

<u>Name of Community</u>	<u>C V T*</u>	<u>County</u>	<u>Service Available**</u>
Williamstown	T	Dodge	E, G
Willow Springs	T	Lafayette	E
Wilson	T	Sheboygan	E
Willow	T	Richland	E
Wilton	V, T	Monroe	E
Winfield	T	Sauk	E (N)
Wingville	T	Grant	E, G
Windsor	T	Dane	E
Winneconne	V, T	Winnebago	E, G
Wiotia	T	Lafayette	E, G (R)
Wisconsin Dells	C	Adams & Columbia & Sauk	E, G (R)
Wisconsin Rapids	C	Wood	E (N)
Wittenberg	V, T	Shawano	E
Wolf River	T	Langlade	E
Wonewoc	V, T	Juneau	E, G (R)
Wood	T	Wood	E
Woodland	T	Sauk	E (N)
Woodman	V, T	Grant	E (R)
Wyalusing	T	Grant	E
Wycocena	V, T	Columbia	E, G
Wyoming	T	Iowa	E, G
Wyoming	T	Waupaca	E (N)
York	T	Dane	E (R)
York	T	Green	E (R)

* City, Town or Village

** Electric and/or Gas

ENBRIDGE GAS INC.

Answer to Interrogatory from
School Energy Coalition (SEC)

Interrogatory

Reference:

3-2-2, p.8

Question(s):

Please explain the 'Energy Probe' methodology.

Response:

The following response has been provided by Guidehouse Canada Ltd:

Guidehouse is not aware of the details of the Energy Probe methodology.

The following response has been provided by Enbridge Gas:

During the EB-2005-0001 proceeding Energy Probe proposed heating degree day forecasting model called the "Energy Probe method". Please see EB-2005-0001, Exhibit L, Tab 8, Schedule 1 for details. The excerpt below provides a description of the Energy Probe method.

The proposed methodology builds upon the de Bever methodology (including estimation over the full cycle length for each of the weather zones), retaining and enhancing measures to capture short-term weather variability, while also including a trend variable. In particular, the proposed methodology retains the 5-year weighted average variable from the original de Bever methodology and adds the trend variable as proposed by Enbridge. This has been accomplished by adding a second variable, a 5-year moving average, that is used in conjunction with the 5-year weighted average to capture short-term weather trends. This complements the use of the trend variable, enhancing the ability of the model to capture both long and short-term trends.¹

¹ EB-2005-0001, Exhibit L, Tab 8, Schedule 1, p.5.

ENBRIDGE GAS INC.

Answer to Interrogatory from
School Energy Coalition (SEC)

Interrogatory

Reference:

3-2-4, p.2-4

Question(s):

With respect to the economic outlook information:

- a) Please update the information in Table 1-3 with the most recent available information.
- b) For each variable in Table 1 and 2, please provide the source of the information.
- c) [Table 1, ft. 2] Please provide a copy of the most recent Consensus Forecast.

Response:

- a-b) Please see Attachment 1 for the most recent available information and source.
- c) Most recent Consensus forecast data for CPI is provided in Attachment 1, Table 1, line 2. Consensus Forecast Report is protected by copyright and a copy of cannot be provided.

Table 1
Economic Outlook: Canada & Ontario (1)

Line No.	Variable	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Bridge Year (f)	Test Year (g)
<u>Canada</u>								
1	Real GDP (% change) (1)	2.8%	1.9%	(5.1%)	5.0%	3.4%	0.6%	1.5%
2	Consumer Prices (% change)	2.3%	1.9%	0.7%	3.4%	6.8%	3.7%	2.3%
3	GDP IPI FDD (% change) (2)	1.6%	1.8%	1.7%	3.9%	6.0%	3.7%	2.3%
4	Average Hourly Earnings (% change) (3)	2.2%	2.6%	3.6%	2.8%	3.8%	3.2%	3.1%
<u>Ontario</u>								
5	Real GDP (% change)	2.2%	2.0%	(4.9%)	5.1%	3.6%	0.4%	1.3%
6	Consumer Prices (% change)	2.4%	1.9%	0.6%	3.5%	6.8%	3.5%	2.1%
7	Housing Starts (000s)	78.7	69.0	81.3	99.6	96.1	81.6	81.4
8	Unemployment Rate (%)	5.7%	5.6%	9.8%	8.2%	5.6%	6.4%	6.6%
9	Employment Growth (% change)	1.9%	2.4%	(5.0%)	4.5%	4.9%	0.4%	0.9%
10	Average Hourly Earnings (% change) (4)	2.3%	2.8%	3.4%	2.8%	4.2%	3.2%	3.1%
11	Real Residential Natural Gas Price (% change)	(6.8%)	(5.9%)	8.9%	10.4%	23.0%	(7.0%)	4.0%
12	Real Commercial Natural Gas Price (% change)	(9.1%)	(7.7%)	10.4%	14.4%	30.0%	(8.0%)	5.0%
13	Carbon tax (\$/tonne) (5)		20.0	30.0	40.0	50.0	65.0	80.0
14	Henry Hub prices (% change) (6)	1.0%	(13.8%)	(16.6%)	65.6%	79.0%	(27.2%)	(3.1%)

Notes:

- (1) Based on the forecasts available in February 2023.
- (2) Consensus CPI forecast was used as a proxy since there is no consensus GDPIPIFDD forecast available.
- (3) 2022 data is an estimate.
- (4) Consensus Canada AHE forecast was used as a proxy since there is no consensus Ontario AHE forecast available.
- (5) Federal Carbon Tax.
- (6) Commodity price forecast based on Energy Consultants' Consensus Henry Hub.

Table 2
Economic Outlook: Weather Zones

Line No.	Particulars	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Bridge Year (f)	Test Year (g)
	<u>Central</u>							
1	Employment Growth (% change)	2.4%	2.8%	(4.8%)	4.5%	5.6%	1.7%	1.2%
2	Vintage (1)	0.4767	0.4720	0.4677	0.4638	0.4601	0.4548	0.4508
3	Heating Degree Days (2)	3,007	3,116	2,702	2,603	2,910	2,712	2,764
	<u>East</u>							
4	Employment Growth (% change)	2.3%	3.9%	(4.3%)	5.0%	3.1%	0.8%	1.0%
5	Vintage (1)	0.3362	0.3297	0.3229	0.3158	0.3093	0.3050	0.2996
6	Heating Degree Days (2)	3,697	3,859	3,393	3,253	3,537	3,347	3,479
	<u>West</u>							
7	Employment Growth (% change)	2.2%	(0.8%)	(7.5%)	2.9%	11.9%	(2.2%)	0.5%
8	Vintage (1)	0.7056	0.6982	0.6873	0.6788	0.6716	0.6625	0.6547
9	Heating Degree Days (2)	2,813	2,906	2,481	2,437	2,712	2,670	2,605
	<u>South</u>							
10	Employment Growth (% change)	1.2%	2.7%	(5.6%)	6.4%	4.1%	0.5%	1.0%
11	Vintage (1)	0.5253	0.5186	0.5122	0.5066	0.5012	0.4964	0.4915
12	Heating Degree Days (2)	3,206	3,218	2,847	2,756	3,084	2,867	2,941
	<u>North</u>							
13	Employment Growth (% change)	0.5%	5.7%	(5.7%)	1.4%	6.8%	(1.9%)	(0.8%)
14	Vintage (1)	0.5089	0.5023	0.4965	0.4920	0.4872	0.4842	0.4808
15	Heating Degree Days (2)	4,025	4,158	3,699	3,484	3,892	3,930	3,746

Notes:

- (1) Refer to Exhibit 3, Tab 2, Schedule 5, Section 3.
- (2) Based on 15°C.

Table 3
Financial Outlook
Feb Update

Line No.	Particulars	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Actual (e)	Actual (f)	Bridge Year (g)	Test Year (h)
1	Government of Canada benchmark bond yields - 10 year (1)	1.79%	2.26%	1.55%	0.72%	1.40%	3.00%	3.00%	2.80%
2	10 Year - EGI Implied Linear Regression Credit Spread							1.06%	1.07%
3	Coupons EGI - 10 Year							4.10%	3.90%
4	Issuance Cost							0.05%	0.05%
5	Hedge Unwinds							(0.97%)	0.00%
6	10 Year - Effective Rates							3.18%	3.95%
7	Government of Canada benchmark bond yields - 30 year (1)	2.28%	2.33%	1.77%	1.19%	1.88%	2.83%	3.00%	2.90%
8	30 Year - EGI Implied Linear Regression Credit Spread							1.46%	1.47%
9	Coupons EGI - 30 Year							4.50%	4.40%
10	Issuance Cost							0.02%	0.02%
11	30 Year - Effective Rates							4.52%	4.42%
12	Short Term-3 Month CDOR (1)	1.15%	1.89%	2.03%	0.87%	0.45%	2.78%	4.80%	3.90%
13	Spread							0.10%	0.10%
14	3 Month CDOR - Effective rates							4.90%	4.00%
13	Exchange rate (USD/CAD)	1.30	1.30	1.33	1.34	1.25	1.3	1.32	1.27

Note:

(1) Consensus forecast based on February 2023 forecast from various banks.

Table 4
Sources for the Economic Outlook: Canada & Ontario

Line No.	Source for Actuals (2018-2022) (a)	Source for Forecasts (2023-2024) (b)
	<u>Canada</u>	<u>Canada</u>
1	Statistics Canada Table: 36-10-0104-01 https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=36100104	Consensus Forecast Feb 2023
2	Statistics Canada Table: 18-10-0004-01 https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=18100004	Consensus Forecast Feb 2023
3	Statistics Canada Table: 36-10-0106-01 https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=36100106	Not Available
4	Conference Board of Canada - v1606080	Consensus Forecast Feb 2023
	<u>Ontario</u>	<u>Ontario</u>
5	Conference Board of Canada -v62306896	Consensus Forecast (1)
6	Statistics Canada Table: 18-10-0004-01	Consensus Forecast (1)
7	Canada Mortgage and Housing Corporation (CMHC)	Consensus Forecast (1)
8	Statistics Canada Table: 14-10-0287-01	Consensus Forecast (1)
9	Conference Board of Canada - v1235045503	Consensus Forecast (1)
10	Conference Board of Canada - v1606242	Consensus Forecast Feb 2023
11	Enbridge Gas QRAM filings (Rate 1)	Forecasted by Enbridge Gas (Commodity Price Forecast from Consensus Henry Hub)
12	Enbridge Gas QRAM filings (Rate 6)	In-house Calculation by Enbridge Gas
13	Federal Carbon Tax	Federal Carbon Tax
14	Energy Consultants' Consensus Henry Hub (2)	Energy Consultants' Consensus Henry Hub (2)

Notes:

- (1) TD Provincial Economic Forecast
 Scotiabank Provincial Forecast
 CIBC
 BMO - Provincial Economic Outlook
 Desjardins - Economic and Financial Outlook
 NBC - Monthly Economic Monitor
 RBC- Provincial Outlook
 Conference Board of Canada
- (2) Consultants include: McDaniel & Associates, Chapman Petroleum Engineering Ltd., GLJ Ltd., Sproule, Trimble Engineering Associates, & Insite Petroleum Consultants Ltd.

Sources:

<https://mcdan.com/price-forecasts/>
<http://www.chapeng.ab.ca/>
<https://www.gljpc.com/price-forecasts>
<https://sproule.com/price-forecast/>
<http://trimble-eng.com/price-forecasts/>
<https://www.insitepc.com/pricing-forecasts>

ENBRIDGE GAS INC.

Answer to Interrogatory from
School Energy Coalition (SEC)

Interrogatory

Reference:

3-2-5, p.7

Question(s):

Please provide Figure 1 in a tabular format and provide 2022 actuals and 2023 and 2024 forecast amounts.

Response:

Please see response at Exhibit I.3.2-EP-45, Attachment 1.

ENBRIDGE GAS INC.

Answer to Interrogatory from
School Energy Coalition (SEC)

Interrogatory

Reference:

3-2-6

Question(s):

Please provide a copy of all analyses, undertaken informally or otherwise, regarding customer connections and average use forecasts in the longer-term (post-2024).

Response:

Enbridge Gas did not undertake any formal or informal analyses in its econometric customer and average use forecasts for the longer term. However, the additional adjustments applied to the econometric customer and average use forecasts are provided at Exhibit 1, Tab 10, Schedule 4.

ENBRIDGE GAS INC.

Answer to Interrogatory from
School Energy Coalition (SEC)

Interrogatory

Reference:

3-2-8, p.5

Question(s):

Enbridge states “The forecast for new customers is based on two main sources of information. First, the forecast includes new customers and associated volumes relating to discrete capital projects included in the AMP and capital budget for projects that are anticipated to go into service in the forecast period”. Please show the direct link between the new customers and associated volumes included in the load forecast, and the specific projects detailed in the AMP.

Response:

Enbridge Gas’s distribution contract market 2023 to 2024 forecast includes growth within Rate M4, Rate M7, and Rate T2 volumes related to 2023 to 2024 projects in the AMP such as Wheatley Lateral Replacement and Reinforcement, and Panhandle Regional Expansion Project. The forecast includes annualized volume growth, for the aforementioned rates classes, of approximately 63 10^6m^3 in 2023 and 130 10^6m^3 in 2024. There is no specific increase in customer additions for these projects as this market area growth generally relates to existing customer load growth.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 2- Guidehouse Forecasting Benchmarking Study, page 24

Question(s):

For many of the utilities, however, some stabilization mechanism exists to provide consumers and the utility with bilateral protection from weather volatility. In some cases, this is explicit in the mechanism (e.g., the weather normalization adjustments of utilities D, F, G, and J), in other cases it appears to be implicit (e.g., utilities A, B, C, E, and I). In most of the instances in which an explicit weather-related revenue stabilization mechanism exists, there also exists a revenue decoupling mechanism which includes revenues collected (or credits disbursed) as part of intra-season weather normalization adjustments.

- a) It is not clear to us what are the distinguishing characteristics of “implicit” normalization as compared to “explicit” methods. Please elucidate.
- b) How many of the comparator utilities use normalized variance accounting practices in the same fashion as EGI (former EGD and Union Gas)? For those that use NAC accounting how of these utilities use a symmetric account in a similar fashion as EGI?

Response:

The following response was provided by Guidehouse Canada Ltd.:

- a)
 - i. An *explicit* mechanism that addresses weather-based volatility is one that specifically addresses the question of weather volatility, as for example Utility D’s mechanism where a surcharge or credit is calculated as a function of the difference between normal and observed HDD, and the average number of therms per HDD.

- ii. A mechanism that addresses weather-based volatility *implicitly* is one that stabilizes revenues without direct consideration of weather-based deviations but applies an adjustment that effectively addresses this form of revenue volatility. Utility B, for example, is subject to a semi-annual adjustment factor that is a function of the difference between the observed revenue per customer and a benchmark revenue per customer. Though not explicitly weather-based, this adjustment does address the impact of weather-driven volatility.

- b) In its analysis, Guidehouse reviewed revenue stability mechanisms within the context of forecast uncertainty. A review of the utility variance accounting practices was not in scope for the volume forecasting benchmarking study and so was not conducted. Consequently, Guidehouse cannot identify how many of the comparator utilities use normalized variance accounting practices.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 2- Guidehouse Forecasting Benchmarking Study, page 30/
Schedule 5

Question(s):

EGI is proposing to use 50/50 Hybrid (average of 20-yr Trend and 10-yr MA) for the Central weather zone, and 10-yr MA for the remaining weather zones. Selection of the forecasting methodologies for each weather zone was done by using the evaluation framework that compares ten different methodologies (including methodologies used by EGD and Union rate zones) through their forecasting performance (accuracy, symmetry and stability criteria)

- a) How many utilities in the comparator group use different methods of determining Heating Degree Day Forecasting for different parts of their franchise?
- b) Please explain how multiple HDD forecasting methodologies for rate zones is consistent with a moving to a single base temperature (i.e., to 15o C).
- c) All other things remaining the same what impact does changing the base temperature to 15o have on forecasting revenues (i.e., does it lead to any systemic increase or decrease)?

Response:

- a) The following response was provided by Guidehouse Canada Ltd.:
 - i. Utility A uses the same HDD projection approach for all three of its regions.
 - ii. Utility B's documentation identifies only a single approach for projecting effective degree days (EDD)
 - iii. Utility C's documentation identifies only a single approach for projecting HDD.
 - iv. Utility D's documentation identifies only a single approach for projecting HDD.
 - v. Utility E's documentation appears to indicate that a separate projection of HDD is developed for each of the utility's regions. Only a single method of projection is

described suggesting that the same method is applied to different sets of (regionally-specific) weather data.

- vi. Utility F obtains forecast HDD normals from the NOAA specific to the geography of each of its service territories.
 - vii. Utility G's documentation identifies only a single approach for projecting HDD.
 - viii. Utility H's documentation identifies only a single approach for projecting HDD.
 - ix. Utility I does not project HDD.
 - x. Utility J uses a single HDD projection approach for its entire service territory.
- b) In its 2007 Cost of Service proceeding¹, the EGD rate zone proposed to use the 20-Year Trend method for the Central weather zone and apply this same forecasting methodology to both the Niagara and Eastern weather zones. In its Decision with Reasons, the degree day forecast was approved for each service region, as per the amended proposal in that application which resulted in different degree day forecasting methodologies being approved for EGD's weather zones.² Enbridge Gas's proposal using multiple degree day forecast methodologies in this Application based on the evaluation results for each weather zone is consistent with the OEB's previous decision.

In its application for rates commencing October 1, 1994, Consumers' Gas (EGD rate zone) proposed that heating load essentially becomes zero around 15°C, as opposed to 18°C and using base temperature of 14.8°C, 14.6°C and 15.3°C for Central, Eastern and Niagara weather zones respectively, is more appropriate than using an assumed base temperature of 18°C.³ In the settlement agreement and in its OEB decision, all parties accepted the changes to the new base temperatures proposed by Consumers' Gas.⁴ All parties felt that the proposed changes were a significant improvement over the base temperature of 18°C traditionally used. Since then, the base temperatures of 14.8°C, 14.6°C and 15.3°C for Central, Eastern and Niagara weather zones have been used by the EGD rate zone. On the other hand, the Union rate zones always used a base temperature of 18°C. Based on the analysis completed for harmonization purposes under this Application, Enbridge Gas found that using 15°C base temperature for forecasting average use is a more appropriate approach. Additionally, since there is no material difference between 15°C base temperature and the previously approved base temperatures for the Central, Eastern and Niagara weather zones, Enbridge Gas did not consider using different base temperatures for each of the five weather zones. This proposed approach promotes and encourages the harmonization of base temperature across all five weather zones (Central, East, West, South and North).

¹ EB-2006-0034, Exhibit C2, Tab 4, Schedule 1.

² EB-2006-0034, Decision with Reasons, July 5, 2007.

³ EBRO 487.

⁴ EBRO 487, Decision with Reasons, November 15, 1994.

- c) For purposes of average use forecasting, Enbridge Gas proposes using degree days based on a base temperature of 15°C. As provided at Exhibit 3, Tab 2, Schedule 5, Attachment 1, a base temperature is more closely tied to heat load consumption. Average use forecasts are determined using the equivalent degree days based on 15°C in the models. Hence, for normalization purposes, actual consumption is adjusted back to the degree days based on base temperature of 15°C forecast. Consistent degree days are used in the forecast and in the normalization of actuals. Therefore, no material difference on revenues is expected by changing the base temperature to 15°C.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 1, Attachment 1, pages 4-7/ 13-16

Question(s):

- a) Please update the Revenue Tables to show 2022 actual results.
- b) Please update the Comparison of Revenue Tables for actual 2022 results.

Response:

a-b) Please see response at Exhibit I.3.3-STAFF-95 Attachment 1.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, Attachment 2, Tables 1 and 2

Question(s):

- a) Using the data period 2012 to 2021 and the rate classes shown in Tables 1 and 2 please provide an analysis for each of the three normalization methods (EGD/Union/Proposed) which examines how the methods rank by number of degree days produced. The purpose of this question is to understand if any of the three methods produces significantly different results for any class of customers as compared over the 2012-2021 time period.

Response:

- a) Enbridge Gas does not understand the question and is unable to provide a response.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 6, page 7

Question(s):

“The initial new construction and the replacement customer forecast, determined using econometric/historical trend approaches, was then reviewed by Enbridge Gas’s Construction, Operations, and Sales teams, who gathered market information through direct contact with builders, developers, and municipalities and adjustments were made to the forecast based on this information if required.”

- a) Please delineate what manual adjustments were made to the data used in the regression analysis.
- b) Specifically, please provide the raw data and the adjusted data.

Response:

- a) For the years between 2022 to 2024, regional and sales managers manually adjusted the forecast for residential new construction additions due to strong activity in the builder markets. In addition, the forecast for residential replacement customers was adjusted to reflect an increase in activity for customers connecting to the system under a TCS.
- b) Please see response at Exhibit I.3.2-VECC-29.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 5, page 28

Question(s):

Rather, Enbridge Gas is proposing the establishment of a variance account for volume variances until SFVD rate design is approved by the OEB and fully implemented by Enbridge Gas.

- a) In light of the proposed movement to SFVD rate design would it be simpler and less costly for EGI to maintain the current NAC accounting until that (presumed) change?
- b) In the absence of Board direction to the contrary why would EGI not prefer to continue with the historical methodologies until approval is provided for an SFVD rate design?

Response:

a-b) Please see response at Exhibit I.9.1-LPMA-47, part j).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 6, Table 1, page 9

Question(s):

“Shrinkage customers are defined as the customers that Enbridge Gas stops getting revenue from (due to meter consolidations, locked customers etc.).”

- a) Please explain how in the year 2019 the number of “Shrinkage Customers” can be a positive figure (i.e., 335).
- b) Please explain the meaning of the term “locked” customer in both the Union and EGI rate zones.

Response:

- a) There is always a time lag between when the service line is installed and the flow of gas which occurs when the customer moves into the premise and calls to have their meter unlocked and activated. The positive figure of ‘shrinkage customers’ in 2019 might be driven by this lag factor. Similar to locked customers, this time lag is challenging to predict.
- b) For both the EGD rate zone and the Union rate zones, a “locked” customer refers to a situation where the customer’s gas meter is locked (or inactive) and no gas is flowing through the meter to the premise. This is due to various reasons including vacant premises (e.g., new construction, move-ins/move outs, bankruptcies, consolidations, etc.), customers switching off natural gas to an alternate energy source, payment or credit reasons as well as seasonal usage.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 6

Question(s):

- a) What is the minimum advance notice required for a new natural gas residential connection? In answering, please distinguish between individual requests and those made by property developers.
- b) For purposes of new meter connections does EGI undertake a monthly connection plan? If so please provide the plan for all the currently projected months in 2023.
- c) Does EGI collect data from developers on new construction request for natural gas service? If yes please provide the most recent report for connections in 2023.

Response:

- a) A customer's timeline to connect varies based on several factors including their gas load, location, attributes of the existing distribution network, permits, municipal requirements, etc.

As potential natural gas customers reach out to Enbridge Gas regarding the connection process, Enbridge Gas indicates that applications should be submitted at a minimum 3 months in advance for in-fill customers. Lead times vary for new construction subdivisions requiring mains and services.

For property developers, Enbridge Gas indicates gas applications for individual units (single family detached homes) within a development be submitted 3 months in advance. For developments requiring gas main installation or for servicing other than single service lines to single family detached homes, Enbridge Gas recommends the developer submit their request as early as they can.

- b) Enbridge Gas's monthly connection plan for 2023 is set out in Table1.

Table 1
2023 Connections

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
3,207	2,872	3,646	3,244	3,324	3,049	2,619	3,227	3,315	3,891	5,373	4,346	42,113

c) Enbridge Gas does not collect information from developers for future new construction requests. Enbridge Gas's own forecast for new construction customers is set out in Table 2.

Table 2
2023 New Construction Forecast

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Residential	1,941	1,803	2,507	2,409	2,504	2,285	1,929	2,398	2,547	2,900	4,073	3,113	30,409
Commercial	297	113	252	157	140	91	78	83	89	161	291	216	1,968
Total New Construction	2,238	1,916	2,759	2,566	2,644	2,376	2,007	2,481	2,636	3,061	4,364	3,329	32,377

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 6, Attachment 1

Question(s):

- a) Please explain how Replacement customers are forecast?
- b) What accounts for the dip in the number of Replacement customers in 2023 as compared to the year prior and after (i.e., 5,066/4,878, 5,639)?

Response:

- a) Residential replacement customer forecast is initially developed based on historical trend analysis. The initial forecast is then reviewed by Enbridge Gas's Construction, Operations, and Sales teams, who gather market information through direct contact with builders, developers, and municipalities and if required, adjustments are made to the forecast based on this information. This revised forecast is then adjusted for energy transition assumptions applicable to replacement customers. Finally, the community expansion customer forecast is added to the forecast to determine the total replacement customer adds including community expansion and energy transition assumptions.
- b) Table 1 shows all adjustments done to the initial forecast developed based on historical trend as described in a). This initial forecast of residential replacement customers for 2022 and 2023 was 4,596 and 4,391 respectively which supports the declining historical trend. The 2023 and 2024 forecast was then adjusted to 4,834 and 4,548 by Enbridge Gas's Construction, Operations, and Sales teams based on the market information they gathered. Then the energy transition impact was deducted from the forecast. Finally, the community expansion forecast was added to determine the final residential replacement customer additions inclusive of community expansion and energy transition assumptions.

Table 1
Residential Replacement Customer Additions

<u>Line No.</u>	<u>Year</u>	<u>Initial Forecast</u>	<u>Adjusted by Construction, Operations, and Sales teams</u>	<u>Energy Transition</u>	<u>Community Expansion</u>	<u>Final Replacement Customer Adds Forecast</u>
	(a)	(b)	(c)	(d)	(e)	(f) = (c - d + e)
1	2021	4,959	4,959			
2	2022	4,596	4,834	0	232	5,066
3	2023	4,391	4,548	26	356	4,878

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 6, page 7/Attachment 1

Question(s):

“The initial new construction and the replacement customer forecast, determined using econometric/historical trend approaches, was then reviewed by Enbridge Gas’s Construction, Operations, and Sales teams, who gathered market information through direct contact with builders, developers, and municipalities and adjustments were made to the forecast based on this information if required. “

- a) Using the table of customers at Attachment 1 please show for the years 2022, 2023 and 2024 the results of the econometric modeling separately from changes made to those results based on other information.
- b) Please list all manual adjustments and describe the basis for the adjustment.

Response:

- a) Please see the table at Attachment 1. The table compares the econometric forecast to the forecast adjusted by the Regional Construction Managers and Distribution Sales. The table shows variances between these forecasts and provides an explanation for these variances by sector for each year from 2022 to 2024.
- b) Please see response to part a).

Customer Additions Forecast [without Community Expansion Forecast and without adjustment for Energy Transition]

Line No.	Sector	2022			2023			2024					
		Economic Forecast	Adjusted Forecast	Variance	Economic Forecast	Adjusted Forecast	Variance	Economic Forecast	Adjusted Forecast	Variance			
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)			
<u>Residential</u>													
1	New Construction	34,679	34,920	242	(1)	34,107	34,515	409	(1)	33,342	33,730	388	(1)
2	Replacement	4,596	4,834	238	(2)	4,391	4,548	157	(2)	4,238	4,640	402	(2)
3	Total	<u>39,275</u>	<u>39,754</u>	<u>480</u>		<u>38,498</u>	<u>39,063</u>	<u>566</u>		<u>37,580</u>	<u>38,370</u>	<u>790</u>	
<u>Commercial</u>													
4	New Construction	2,068	2,068	0	(3)	1,971	1,971	0	(3)	1,875	1,875	0	(3)
5	Replacement	471	471	0	(3)	452	452	0	(3)	436	436	0	(3)
6	Total	<u>2,539</u>	<u>2,539</u>	<u>0</u>		<u>2,423</u>	<u>2,423</u>	<u>0</u>		<u>2,311</u>	<u>2,311</u>	<u>0</u>	
<u>Industrial</u>													
7	New Construction	35	35	0	(3)	33	33	0	(3)	31	31	0	(3)
8	Replacement	0	0	0	(3)	0	0	0	(3)	0	0	0	(3)
9	Total	<u>35</u>	<u>35</u>	<u>0</u>		<u>33</u>	<u>33</u>	<u>0</u>		<u>31</u>	<u>31</u>	<u>0</u>	
10	Total Customer Additions	<u><u>41,849</u></u>	<u><u>42,328</u></u>	<u><u>480</u></u>		<u><u>40,954</u></u>	<u><u>41,519</u></u>	<u><u>566</u></u>		<u><u>39,922</u></u>	<u><u>40,712</u></u>	<u><u>790</u></u>	

Notes:

- (1) Majority of regional and sales managers retained the forecast created under the standard methodology however some increased the forecast due to stronger activity in the New Construction sector.
- (2) Regional managers adjustment to reflect activity driven by the temporary connection surcharge, recently approved by the OEB.
- (3) Most regional and sales managers agreed to the forecast developed by the Economics group.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 7, page 3

Question(s):

“After the base volume forecast is developed, certain adjustments are applied to the forecast to account for known factors over the forecast period.”

- a) Please list all the adjustments done to the general service econometric forecast and explain whether the method of that adjustment. Please explain whether the adjustment is part of modeling analysis, other data (please describe how data is used for adjustment, or other manual adjustment methods.

Response:

- a) Enbridge Gas’s general service base volume forecast is derived by multiplying the forecasted number of customers by their respective average use forecasts. The Company’s future DSM Plan activities are applied directly to the volume forecast. Adjustments made to the customer or average use forecasts result in an indirect impact to the volume forecast.

In this Application, the adjustments made to the customer forecast include:

- adjustments by operational/sales managers to the customer additions forecast;
- adjustments for community expansion customers; and
- adjustments for the proposed energy transition assumptions are provided at Exhibit I.1.10-STAFF-31, Attachment 1, Table 3.

No adjustments were made to the average use forecast.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 7, Attachment 1

Question(s):

- a) It is unclear to us how the general service normalized class volumes shown in Attachment 2 are derived from the Rate Class volumes shown in Attachment 1. For example, for the year 2012 the EGI residential volume is 7,476.4 (page 2). How is this figure derived from the 2012 Rate 1 and Rate M1 classes (4,609.0 and 2,902.6 respectively at page 1). Please explain.

Response:

- a) Please see response at Exhibit I.3.2-EP-55, Attachment 1 for the reconciliation of tables in Exhibit 3, Tab 2, Schedule 7, pages 1-2.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 7, Attachment 1

Question(s):

a) Please update Attachment 1 for 2022 actual results.

Response:

a) Please see response at Exhibit I.3.2-LPMA-23.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 2, Schedule 6, Attachment 1

Question(s):

a) Please update the average number of customers table to show actual 2022 results.

Response:

a) Please see response at Exhibit I.3.2-LPMA-22, Attachment 2.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 3, Schedule 1, pp. 3-9

Question(s):

Enbridge Gas has provided the normalized throughput volumes on a historical and forecast basis for the general service and contract market in Tables 1 and 2. The normalized gas supply and delivery revenues on a historical and forecast basis for the general service and contract market have been provided in Tables 3 and 4.

- a) Please update the above referenced tables with 2022 actuals.
- b) The total normalized general services volumes have declined over the 2019 to 2024 forecast period, from 15.86 million 10^3m^3 in 2019 to 15.69 million 10^3m^3 in 2024. Please explain why the 2024 normalized throughput is forecasted to decline from 2019.

Response:

- a) All 2022 actual updates for tables and attachments requested through interrogatories for Exhibit 3, Tab 1, Schedule 1, and Exhibit 3, Tab 2, Schedule 1, and Exhibit 3, Tab 3, Schedule 1, are provided at Attachment 1.
- b) The 2024 Test Year general service volumes is forecasted to decrease by 176,643 10^3m^3 (approximately 1.1%) from the 2019 actual normalized volumes. This decrease is attributable to the decrease in the normalized average use of about 6.1%, partially offset by the increase in customer count by approximately 5.3%.

Exhibit 3.1.1 - Table 2
Utility Operating Revenue - EGI

Line No.	Particulars (\$ millions)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	Gas Sales & Distribution	EGI	4,631.5	4,118.8	4,480.6	6,164.5	5,664.5	5,851.6
2	Transportation	EGI	142.2	142.3	142.6	145.6	139.6	164.7
3	Storage	EGI	6.0	5.6	6.1	7.0	6.0	-
4	Other Operating Revenue & Other Income	EGI	47.8	52.2	50.0	51.5	63.2	64.3
5	Total		<u>4,827.6</u>	<u>4,318.9</u>	<u>4,679.3</u>	<u>6,368.7</u>	<u>5,873.3</u>	<u>6,080.6</u>
6	Volumes (10 ⁹ m ³)	EGI	<u>27,175.5</u>	<u>25,478.2</u>	<u>25,792.8</u>	<u>27,859.7</u>	<u>27,647.5</u>	<u>27,922.9</u>
7	Number of Customers	EGI	<u>3,716,073</u>	<u>3,757,241</u>	<u>3,796,456</u>	<u>3,833,111</u>	<u>3,875,537</u>	<u>3,914,712</u>

Exhibit 3.1.1 - Attachment 1
Comparison of Utility Operating Revenue 2021 Actual & 2022 Actual

Line No.	Particulars (\$ millions)	<u>2021</u>	<u>2022</u>	2022 Actual Over/(Under) 2021 Actual (c) = (b-a)
		Actual (a)	Actual (b)	
1	Gas Sales & Distribution	4,480.6	6,164.5	1,684.0
2	Transportation	142.6	145.6	3.0
3	Storage	6.1	7.0	0.9
4	Other Operating Revenue & Other Income	50.0	51.5	1.6
5	Total	<u>4,679.3</u>	<u>6,368.7</u>	<u>1,689.4</u>

Exhibit 3.1.1 - Attachment 1
Comparison of Utility Operating Revenue 2022 Actual & 2023 Bridge Year

Line No.	Particulars (\$ millions)	<u>2022</u>	<u>2023</u>	2023 Bridge Over/(Under) 2022 Actual (c) = (b-a)
		Actual (a)	Bridge Year (b)	
1	Gas Sales & Distribution	6,164.5	5,664.5	(500.0)
2	Transportation	145.6	139.1	(6.5)
3	Storage	7.0	6.0	(1.0)
4	Other Operating Revenue & Other Income	51.5	63.2	11.7
5	Total	<u>6,368.7</u>	<u>5,872.9</u>	<u>(495.8)</u>

Exhibit 3.2.1 - Table 1
Gas Supply & Delivery Revenue - General Service

Line No.	Particulars (\$ millions)	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	EGD Rate Zone	2,834.0	2,497.5	2,688.3	3,685.5	3,418.9	3,397.1
2	Union Rate Zone	1,525.5	1,341.0	1,453.5	2,058.8	1,919.9	2,057.1
3	Total General Service Revenue	4,359.5	3,838.5	4,141.9	5,744.2	5,338.8	5,454.2
4	Year-over-Year Change in Revenue	(193.8)	(521.0)	303.4	1,602.4	(405.4)	115.4

Exhibit 3.2.1 - Table 2
Gas Supply & Delivery Revenue - Distribution Contract Market

Line No.	Particulars (\$ millions)	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	EGD Rate Zone	107.8	98.7	118.6	162.3	140.7	140.6
2	Union Rate Zone	208.9	212.9	236.8	278.6	250.9	256.8
3	Total Contract Revenue	316.7	311.6	355.4	440.8	391.5	397.4
4	Year-over-Year Change in Revenue	(11.4)	(5.1)	43.8	85.4	(49.3)	5.9

Exhibit 3.2.1 - Attachment 1
Revenue - General Service Sales & T-Service, Contract Sales & T-Service

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>General Service</u>								
1	Rate 1	EGI	1,824.8	1,646.6	1,768.3	2,376.1	2,212.3	2,206.4
2	Rate 6	EGI	1,009.2	850.9	920.1	1,309.4	1,206.6	1,190.7
3	Rate 9	EGI	-	-	-	(0.0)	-	-
4	Total - EGD Rate Zone		<u>2,834.0</u>	<u>2,497.5</u>	<u>2,688.3</u>	<u>3,685.5</u>	<u>3,418.9</u>	<u>3,397.1</u>
5	Rate M1	EGI	884.9	792.4	871.4	1,252.8	1,130.0	1,242.2
6	Rate M2	EGI	166.5	134.8	144.2	223.2	218.6	248.3
7	Rate 01	EGI	401.6	354.8	377.1	501.5	481.5	484.2
8	Rate 10	EGI	72.5	59.0	60.9	81.3	89.8	82.4
9	Total - Union Rate Zone		<u>1,525.5</u>	<u>1,341.0</u>	<u>1,453.5</u>	<u>2,058.8</u>	<u>1,919.9</u>	<u>2,057.1</u>
10	Total General Service		<u>4,359.5</u>	<u>3,838.5</u>	<u>4,141.9</u>	<u>5,744.2</u>	<u>5,338.8</u>	<u>5,454.2</u>
<u>Contract</u>								
11	Rate 100	EGI	3.1	3.0	4.7	6.6	5.7	5.6
12	Rate 110	EGI	42.2	45.9	57.0	80.9	68.3	68.1
13	Rate 115	EGI	9.1	7.8	8.3	10.1	9.6	9.5
14	Rate 125	EGI	11.3	11.4	11.9	12.2	12.5	12.5
15	Rate 135	EGI	2.2	2.0	2.2	2.5	2.5	2.3
16	Rate 145	EGI	1.8	1.6	1.9	2.2	1.8	1.8
17	Rate 170	EGI	7.8	1.4	2.3	4.8	2.3	2.3
18	Rate 200	EGI	30.3	25.5	30.2	42.8	38.1	38.6
19	Rate 300	EGI	0.1	0.1	0.1	0.1	-	-
20	Rate 315	EGI	-	-	0.0	0.0	-	-
21	Total - EGD Rate Zone		<u>107.8</u>	<u>98.7</u>	<u>118.6</u>	<u>162.3</u>	<u>140.7</u>	<u>140.6</u>

Exhibit 3.2.1 - Attachment 1
Revenue - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
22	Rate M4	EGI	37.8	38.0	40.8	51.7	47.8	49.6
23	Rate M7	EGI	18.6	21.8	27.9	38.2	36.1	37.8
24	Rate M9	EGI	5.4	3.4	4.0	6.7	5.2	5.4
25	Rate M10	EGI	0.1	0.1	0.1	0.1	0.1	-
26	Rate 20	EGI	30.9	33.1	33.5	38.0	39.6	40.7
27	Rate 100	EGI	10.7	11.3	11.5	11.9	11.4	11.8
28	Rate T1	EGI	12.7	13.6	13.9	14.3	14.4	14.4
29	Rate T2	EGI	71.6	74.1	76.1	82.1	79.3	79.8
30	Rate T3	EGI	6.9	7.2	7.2	7.5	7.8	7.8
31	Rate M5	EGI	3.5	2.5	3.1	3.2	3.2	3.3
32	Rate 25	EGI	11.0	7.8	18.8	24.9	6.0	6.2
33	Rate 30	EGI	-	-	-	-	-	-
34	Total - Union Rate Zone		208.9	212.9	236.8	278.6	250.9	256.8
35	Total Contract		316.7	311.6	355.4	440.8	391.5	397.4
36	Subtotal		4,676.2	4,150.1	4,497.3	6,185.1	5,730.3	5,851.6

Exhibit 3.2.1 - Attachment 1
Revenue - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>Accounting Adjustments</u>								
37	Tax Variance	EGI	(24.1)	(13.4)	(18.0)	(29.9)	(27.5)	-
38	Elimination of Prior Year Tax Variance	EGI	4.5	-	-	-	-	-
39	Accounting Policy Change	EGI	1.1	(14.0)	(16.2)	(2.8)	(33.4)	-
Average Use/ Normalized Average								
40	Consumption	EGD (1)	(8.6)	(4.6)	15.4	6.9	-	-
41	Dawn Access Cost	EGD	2.2	2.1	2.0	1.2	-	-
42	Incremental Capital Module	EGD	-	(0.3)	0.2	(6.9)	6.9	-
43	Prior Year Earnings Sharing Adjustment	EGD	(1.7)	-	-	-	-	-
Elimination of Prior Year Earnings Sharing								
44	Adjustment	EGD	1.7	-	-	-	-	-
45	Transactional Services Revenue	EGD	12.0	12.0	12.0	12.0	12.0	-
46	LRAM	EGD	0.0	-	-	0.1	-	-
47	Federal Carbon Program	EGD	0.1	0.6	0.7	0.9	-	-
48	Greenhouse Gas Emissions Administration	EGD	0.2	0.2	0.1	0.1	-	-
Reverse 2019 Gas Supply Plan Cost								
49	Consequences	EGD	(3.9)	(3.9)	-	-	-	-
Elimination of 2019 Gas Supply Plan Cost								
50	Consequences reversal	EGD	-	3.9	-	-	-	-
Average Use/ Normalized Average								
51	Consumption	Union (2)	(4.7)	7.2	19.0	8.8	(6.1)	-
52	Parkway Obligation Rate Variance	Union	0.3	-	-	-	-	-
53	Incremental Capital Module	Union	(7.0)	(5.6)	(14.0)	(2.0)	1.2	-
54	Capital Pass-through	Union	(1.0)	(1.1)	(4.4)	(2.9)	(2.9)	-
55	Union Parkway Obligation	Union				(0.1)		
56	LRAM	Union	0.4	1.4	0.7	0.8	0.4	-

Exhibit 3.2.1 - Attachment 1 (Continued)
Revenue - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (\$ millions)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
57	Federal Carbon Program	Union	0.4	1.2	1.5	2.0	-	-
	Elimination of the UGL rate zone							
	unregulated storage cost from EGD rate							
58	zone revenues	EGI	(17.4)	(17.7)	(17.2)	(17.4)	(16.4)	-
59	Miscellaneous	EGI	0.5	0.7	1.4	8.9	-	-
60	Total		<u>(44.8)</u>	<u>(31.3)</u>	<u>(16.7)</u>	<u>(20.5)</u>	<u>(65.8)</u>	<u>-</u>
61	Total Utility Revenue		<u>4,631.5</u>	<u>4,118.8</u>	<u>4,480.6</u>	<u>6,164.5</u>	<u>5,664.5</u>	<u>5,851.6</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Exhibit 3.2.1 - Attachment 2
Comparison of Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	1,749.7	18.5	1,768.3	2,358.5	17.6	2,376.1	607.9
2	Rate 6	775.8	144.3	920.1	1,145.4	163.9	1,309.4	389.3
3	Rate 9	0.0	-	0.0	(0.0)	-	(0.0)	(0.0)
4	Total - EGD Rate Zone	<u>2,525.6</u>	<u>162.8</u>	<u>2,688.3</u>	<u>3,504.0</u>	<u>181.5</u>	<u>3,685.5</u>	<u>997.1</u>
5	Rate M1	853.1	18.3	871.4	1,232.6	20.1	1,252.8	381.4
6	Rate M2	109.2	35.0	144.2	180.3	42.9	223.2	79.0
7	Rate 01	364.3	12.8	377.1	487.1	14.4	501.5	124.5
8	Rate 10	40.9	20.0	60.9	58.5	22.7	81.3	20.4
9	Total - Union Rate Zone	<u>1,367.5</u>	<u>86.1</u>	<u>1,453.5</u>	<u>1,958.6</u>	<u>100.2</u>	<u>2,058.8</u>	<u>605.2</u>
10	Total General Service	<u>3,893.0</u>	<u>248.9</u>	<u>4,141.9</u>	<u>5,462.5</u>	<u>281.7</u>	<u>5,744.2</u>	<u>1,602.4</u>
<u>Contract</u>								
11	Rate 100	2.9	1.8	4.7	4.3	2.3	6.6	1.9
12	Rate 110	16.6	40.4	57.0	33.8	47.1	80.9	23.9
13	Rate 115	0.2	8.1	8.3	0.3	9.8	10.1	1.7
14	Rate 125	-	11.9	11.9	-	12.2	12.2	0.3
15	Rate 135	0.6	1.6	2.2	0.9	1.6	2.5	0.3
16	Rate 145	-	1.9	1.9	0.4	1.8	2.2	0.3

Exhibit 3.2.1 - Attachment 2
Comparison of Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	1.1	1.2	2.3	2.1	2.7	4.8	2.5
18	Rate 200	27.8	2.4	30.2	40.3	2.5	42.8	12.6
19	Rate 300	-	0.1	0.1	-	0.1	0.1	(0.0)
20	Rate 315	-	-	-	-	0.0	0.0	0.0
21	Total - EGD Rate Zone	49.2	69.4	118.6	82.1	80.2	162.3	43.6
22	Rate M4	12.0	28.8	40.8	21.2	30.5	51.7	10.8
23	Rate M7	6.7	21.2	27.9	13.7	24.5	38.2	10.3
24	Rate M9	3.0	1.0	4.0	5.4	1.3	6.7	2.7
25	Rate M10	0.1	-	0.1	0.1	-	0.1	0.0
26	Rate 20	2.9	30.6	33.5	4.2	33.8	38.0	4.5
27	Rate 100	-	11.5	11.5	-	11.9	11.9	0.4
28	Rate T1	-	13.9	13.9	-	14.3	14.3	0.4
29	Rate T2	-	76.1	76.1	-	82.1	82.1	6.1
30	Rate T3	-	7.2	7.2	-	7.5	7.5	0.3
31	Rate M5	0.8	2.3	3.1	0.7	2.5	3.2	0.1
32	Rate 25	15.6	3.1	18.8	21.2	3.7	24.9	6.1
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	41.1	195.7	236.8	66.5	212.0	278.6	41.8
35	Total Contract	90.3	265.1	355.4	148.6	292.2	440.8	85.4
36	Subtotal	3,983.3	514.0	4,497.3	5,611.2	573.9	6,185.1	1,687.8

Exhibit 3.2.1 - Attachment 2
Comparison of Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(18.0)			(29.9)	(11.9)
38	Elimination of Prior Year Tax Variance	EGI		-			-	-
39	Accounting Policy Change	EGI		(16.2)			(2.8)	13.4
40	Average Use/ Normalized Average Consumption	EGD (1)		15.4			6.9	(8.5)
41	Dawn Access Cost	EGD		2.0			1.2	(0.8)
42	Incremental Capital Module	EGD		0.2			(6.9)	(7.1)
43	Prior Year Earnings Sharing Adjustment	EGD		-			-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-			-	-
45	Transactional Services Revenue	EGD		12.0			12.0	0.0
46	LRAM	EGD		-			0.1	0.1
47	Federal Carbon Program	EGD		0.7			0.9	0.2
48	Greenhouse Gas Emissions Administration	EGD		0.1			0.1	(0.0)
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-
50	Elimination of 2019 Gas Supply Plan Cost Consequences reversal	EGD		-			-	-

Exhibit 3.2.1 - Attachment 2
Comparison of Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
51	Average Use/ Normalized Average Consumption	Union (2)		19.0			8.8	(10.3)
52	Parkway Obligation Rate Variance	Union		-			-	-
53	Incremental Capital Module	Union		(14.0)			(2.0)	11.9
54	Capital Pass-through	Union		(4.4)			(2.9)	1.5
55	Union Parkway Obligation	Union		-			(0.1)	(0.1)
56	LRAM	Union		0.7			0.8	0.1
57	Federal Carbon Program	Union		1.5			2.0	0.5
58	Elimination of the UGL rate zone unregulated storage cost from EGD rate zone revenues	EGI		(17.2)			(17.4)	(0.2)
59	Miscellaneous	EGI		1.4			8.9	7.5
60	Total			<u>(16.7)</u>			<u>(20.5)</u>	<u>(3.9)</u>
61	Total Utility Revenue			<u>4,480.6</u>			<u>6,164.5</u>	<u>1,684.0</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Exhibit 3.2.1 - Attachment 2
Comparison of Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
	<u>General Service</u>							
1	Rate 1	2,358.5	17.6	2,376.1	2,193.3	19.1	2,212.3	(163.8)
2	Rate 6	1,145.4	163.9	1,309.4	1,043.3	163.3	1,206.6	(102.7)
3	Rate 9	(0.0)	-	(0.0)	-	-	-	0.0
4	Total - EGD Rate Zone	<u>3,504.0</u>	<u>181.5</u>	<u>3,685.5</u>	<u>3,236.6</u>	<u>182.4</u>	<u>3,418.9</u>	<u>(266.5)</u>
5	Rate M1	1,232.6	20.1	1,252.8	1,109.5	20.5	1,130.0	(122.8)
6	Rate M2	180.3	42.9	223.2	173.9	44.7	218.6	(4.6)
7	Rate 01	487.1	14.4	501.5	467.5	14.0	481.5	(20.0)
8	Rate 10	58.5	22.7	81.3	65.9	23.9	89.8	8.5
9	Total - Union Rate Zone	<u>1,958.6</u>	<u>100.2</u>	<u>2,058.8</u>	<u>1,816.8</u>	<u>103.1</u>	<u>1,919.9</u>	<u>(138.9)</u>
10	Total General Service	<u>5,462.5</u>	<u>281.7</u>	<u>5,744.2</u>	<u>5,053.4</u>	<u>285.4</u>	<u>5,338.8</u>	<u>(405.4)</u>
	<u>Contract</u>							
11	Rate 100	4.3	2.3	6.6	4.3	1.4	5.7	(0.9)
12	Rate 110	33.8	47.1	80.9	26.4	41.9	68.3	(12.6)
13	Rate 115	0.3	9.8	10.1	0.4	9.1	9.6	(0.5)
14	Rate 125	-	12.2	12.2	-	12.5	12.5	0.3
15	Rate 135	0.9	1.6	2.5	1.2	1.3	2.5	(0.1)
16	Rate 145	0.4	1.8	2.2	0.2	1.6	1.8	(0.5)

Exhibit 3.2.1 - Attachment 2
Comparison of Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		Actual			Bridge Year			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	2.1	2.7	4.8	1.2	1.1	2.3	(2.6)
18	Rate 200	40.3	2.5	42.8	36.5	1.7	38.1	(4.7)
19	Rate 300	-	0.1	0.1	-	-	-	(0.1)
20	Rate 315	-	0.0	0.0	-	-	-	(0.0)
21	Total - EGD Rate Zone	82.1	80.2	162.3	70.1	70.5	140.7	(21.6)
22	Rate M4	21.2	30.5	51.7	16.7	31.1	47.8	(3.8)
23	Rate M7	13.7	24.5	38.2	10.5	25.6	36.1	(2.2)
24	Rate M9	5.4	1.3	6.7	3.9	1.3	5.2	(1.5)
25	Rate M10	0.1	-	0.1	0.1	-	0.1	(0.0)
26	Rate 20	4.2	33.8	38.0	4.9	34.7	39.6	1.6
27	Rate 100	-	11.9	11.9	-	11.4	11.4	(0.4)
28	Rate T1	-	14.3	14.3	-	14.4	14.4	0.1
29	Rate T2	-	82.1	82.1	-	79.3	79.3	(2.8)
30	Rate T3	-	7.5	7.5	-	7.8	7.8	0.3
31	Rate M5	0.7	2.5	3.2	0.7	2.5	3.2	(0.0)
32	Rate 25	21.2	3.7	24.9	2.0	4.1	6.0	(18.9)
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	66.5	212.0	278.6	38.7	212.2	250.9	(27.7)
35	Total Contract	148.6	292.2	440.8	108.8	282.7	391.5	(49.3)
36	Subtotal	5,611.2	573.9	6,185.1	5,162.2	568.1	5,730.3	(454.7)

Exhibit 3.2.1 - Attachment 2
Comparison of Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	Actual (b)	(c)	(d)	Bridge Year (e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(29.9)			(27.5)	2.4
38	Elimination of Prior Year Tax Variance	EGI		-			-	-
39	Accounting Policy Change	EGI		(2.8)			(33.4)	(30.6)
40	Average Use/ Normalized Average Consumption	EGD (1)		6.9			-	(6.9)
41	Dawn Access Cost	EGD		1.2			-	(1.2)
42	Incremental Capital Module	EGD		(6.9)			6.9	13.8
43	Prior Year Earnings Sharing Adjustment	EGD		-			-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-			-	-
45	Transactional Services Revenue	EGD		12.0			12.0	(0.0)
46	LRAM	EGD		0.1			-	(0.1)
47	Federal Carbon Program	EGD		0.9			-	(0.9)
48	Greenhouse Gas Emissions Administration	EGD		0.1			-	(0.1)
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-
50	Elimination of 2019 Gas Supply Plan Cost Consequences reversal	EGD		-			-	-

Exhibit 3.2.1 - Attachment 2
Comparison of Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	Actual (b)	(c)	(d)	Bridge Year (e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
51	Average Use/ Normalized Average Consumption	Union (2)		8.8			(6.1)	(14.9)
52								
53	Parkway Obligation Rate Variance	Union		-			-	-
54	Incremental Capital Module	Union		(2.0)			1.2	3.2
55	Capital Pass-through	Union		(2.9)			(2.9)	0.0
56	Union Parkway Obligation	Union		(0.1)			-	0.1
57	LRAM	Union		0.8			0.4	(0.3)
58	Federal Carbon Program	Union		2.0			-	(2.0)
58	Elimination of the UGL rate zone unregulated storage cost from EGD rate zone revenues	EGI		(17.4)			(16.4)	1.0
59	Miscellaneous	EGI		8.9			-	(8.9)
60	Total			<u>(20.5)</u>			<u>(65.8)</u>	<u>(45.3)</u>
61	Total Utility Revenue			<u>6,164.5</u>			<u>5,664.5</u>	<u>(500.0)</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Exhibit 3.3.1 - Table 1
Throughput Volumes - Normalized - General Service

Line No.	Particulars (10 ³ m ³)	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	EGD Rate Zone	9,982,112	9,840,293	9,723,254	9,695,973	9,932,581	9,796,721
2	Union Rate Zone	5,882,739	5,802,909	5,592,281	5,717,162	5,688,104	5,891,487
3	Total General Service Volumes	15,864,851	15,643,202	15,315,535	15,413,135	15,620,686	15,688,208
4	Year-over-Year Change in Volumes	197,643	(221,649)	(327,667)	97,600	207,551	67,522

Exhibit 3.3.1 - Table 2
Throughput Volumes - Normalized - Distribution Contract Market

Line No.	Particulars (10 ³ m ³)	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	EGD Rate Zone	2,495,594	2,436,549	2,778,379	3,172,386	2,893,316	2,883,020
2	Union Rate Zones	7,913,443	7,971,108	8,585,841	9,054,029	9,133,458	9,351,645
3	Total Contract Volumes	10,409,038	10,407,657	11,364,220	12,226,415	12,026,774	12,234,665
4	Year-over-Year Change in Volumes	593,678	(1,381)	956,563	862,195	(199,641)	207,891

Exhibit 3.3.1 - Table 3
Normalized Revenue - General Service

Line No.	Particulars (\$ millions)	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	EGD Rate Zone	2,698.8	2,555.6	2,789.5	3,639.6	3,418.9	3,397.1
2	Union Rate Zones	1,481.3	1,391.3	1,510.6	2,054.1	1,919.9	2,057.1
3	Total General Service Revenue	4,180.1	3,946.9	4,300.1	5,693.7	5,338.8	5,454.2
4	Year-over-Year Change in Revenue	(211.8)	(233.2)	353.2	1,393.6	(354.9)	115.4

Exhibit 3.3.1 - Table 4
Normalized Revenue - Distribution Contract Market

Line No.	Particulars (\$ millions)	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	EGD Rate Zone	106.1	99.6	120.0	162.3	140.7	140.6
2	Union Rate Zones	209.2	212.9	236.8	278.6	250.9	256.8
3	Total Contract Revenue	315.3	312.5	356.8	440.8	391.5	397.4
4	Year-over-Year Change in Revenue	(13.1)	(2.8)	44.2	84.1	(49.3)	5.9

Exhibit 3.3.1 - Attachment 1
Throughput Volumes - Normalized - General Service Sales & T-Service, Contract Sales & T-Service

Line No.	Particulars (10 ³ m ³)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>General Service</u>								
1	Rate 1	EGI	5,024,232	5,032,623	5,017,470	5,004,305	5,045,468	5,001,027
2	Rate 6	EGI	4,957,880	4,807,543	4,705,781	4,691,668	4,887,113	4,795,694
3	Rate 9	EGI	-	127	3	(1)	-	-
4	Total - EGD Rate Zone		<u>9,982,112</u>	<u>9,840,293</u>	<u>9,723,254</u>	<u>9,695,973</u>	<u>9,932,581</u>	<u>9,796,721</u>
5	Rate M1	EGI	3,192,768	3,164,347	3,080,909	3,165,746	3,063,170	3,255,132
6	Rate M2	EGI	1,307,965	1,256,830	1,182,303	1,223,821	1,253,164	1,319,376
7	Rate 01	EGI	1,018,261	1,027,582	998,109	1,006,288	1,012,937	989,005
8	Rate 10	EGI	363,745	354,150	330,960	321,307	358,834	327,974
9	Total - Union Rate Zone		<u>5,882,739</u>	<u>5,802,909</u>	<u>5,592,281</u>	<u>5,717,162</u>	<u>5,688,104</u>	<u>5,891,487</u>
10	Total General Service		<u>15,864,851</u>	<u>15,643,202</u>	<u>15,315,535</u>	<u>15,413,135</u>	<u>15,620,686</u>	<u>15,688,208</u>
<u>Contract</u>								
11	Rate 100	EGI	15,377	20,111	33,994	36,804	28,090	27,429
12	Rate 110	EGI	874,101	982,511	1,103,922	1,197,078	1,074,372	1,068,281
13	Rate 115	EGI	441,477	378,156	387,744	400,973	386,039	381,873
14	Rate 125	EGI	591,623	523,436	707,660	977,270	824,971	824,971
15	Rate 135	EGI	63,020	65,287	63,112	58,979	55,486	52,646
16	Rate 145	EGI	30,486	23,565	24,941	18,869	15,331	15,714
17	Rate 170	EGI	291,292	248,031	256,744	291,544	322,426	323,254
18	Rate 200	EGI	187,869	195,190	199,994	190,657	186,602	188,852
19	Rate 300	EGI	349	262	269	211	-	-
20	Rate 315	EGI	-	-	-	-	-	-
21	Total - EGD Rate Zone		<u>2,495,594</u>	<u>2,436,549</u>	<u>2,778,379</u>	<u>3,172,386</u>	<u>2,893,316</u>	<u>2,883,020</u>

Exhibit 3.3.1 - Attachment 1
Throughput Volumes - Normalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (10 ³ m ³)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
22	Rate M4	EGI	674,011.0	621,379.5	610,807.9	601,876.7	598,162.8	593,899.4
23	Rate M7	EGI	541,343.0	618,372.0	686,353.1	750,066.9	749,541.8	789,736.7
24	Rate M9	EGI	103,989.0	88,765.0	90,095.5	96,889.6	90,073.4	90,073.4
25	Rate M10	EGI	391.0	360.0	319.7	330.9	329.3	-
26	Rate 20	EGI	522,900.0	778,476.0	637,599.9	879,344.7	839,751.0	929,101.1
27	Rate 100	EGI	1,020,510.0	996,605.0	958,587.3	943,946.1	1,036,695.7	1,076,378.0
28	Rate T1	EGI	437,372.0	430,312.0	453,006.6	440,944.0	434,564.0	431,289.5
29	Rate T2	EGI	4,136,388.5	4,017,974.5	4,700,474.4	4,850,507.7	4,962,964.2	5,005,643.3
30	Rate T3	EGI	283,374.0	264,209.0	241,187.3	278,032.2	249,200.1	249,200.1
31	Rate M5	EGI	73,965.0	61,817.0	63,511.2	60,808.9	60,801.6	59,492.9
32	Rate 25	EGI	119,200.0	92,838.0	143,897.6	151,281.0	111,374.4	126,830.8
33	Rate 30	EGI	-	-	-	-	-	-
34	Total - Union Rate Zone		7,913,443.5	7,971,108.0	8,585,840.7	9,054,028.8	9,133,458.2	9,351,645.2
35	Total Contract		10,409,037.5	10,407,657.0	11,364,219.9	12,226,414.6	12,026,773.9	12,234,665.1
36	Total Volume		26,273,888.5	26,050,859.0	26,679,754.9	27,639,549.5	27,647,459.7	27,922,873.1

Exhibit 3.3.1 - Attachment 1
Throughput Volumes - Normalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No	Particulars (10 ³ m ³)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>General Service - Sector</u>								
37	Residential	EGI	8,167,790	8,250,753	8,156,568	8,171,063	8,136,829	8,179,258
38	Commercial	EGI	6,543,123	6,353,684	6,154,221	6,288,718	6,472,519	6,448,091
39	Industrial	EGI	1,153,938	1,038,766	1,004,746	953,354	1,011,337	1,060,859
40	Total		<u>15,864,851</u>	<u>15,643,202</u>	<u>15,315,535</u>	<u>15,413,135</u>	<u>15,620,686</u>	<u>15,688,208</u>
<u>Contract - Sector</u>								
41	Automotive	EGI	175,212	186,847	180,015	211,954	200,474	214,930
42	Buildings	EGI	496,524	542,604	591,952	624,193	643,146	642,128
43	Chemical	EGI	1,548,147	1,608,719	1,689,982	1,476,294	2,015,061	2,013,902
44	Food & Beverage	EGI	709,584	763,648	781,076	806,337	776,224	774,166
45	Greenhouse - Agricultural	EGI	553,665	633,192	690,449	735,538	756,500	816,729
46	Manufacturing	EGI	692,381	706,894	759,562	751,968	752,042	749,817
47	Mining	EGI	327,537	334,516	313,346	331,588	343,877	406,498
48	Other	EGI	618,683	630,965	628,211	678,658	470,953	421,610
49	Power	EGI	2,052,906	1,564,683	1,975,997	2,838,284	2,298,498	2,427,690
50	Pulp & Paper	EGI	495,644	552,877	560,647	605,604	623,810	623,250
51	Refining	EGI	1,301,561	1,467,430	1,457,677	1,485,262	1,450,521	1,454,573
52	Steel	EGI	1,437,193	1,415,282	1,735,308	1,680,736	1,695,668	1,689,373
53	Total		<u>10,409,038</u>	<u>10,407,657</u>	<u>11,364,220</u>	<u>12,226,415</u>	<u>12,026,774</u>	<u>12,234,665</u>
54	Total Volume		<u>26,273,889</u>	<u>26,050,859</u>	<u>26,679,755</u>	<u>27,639,549</u>	<u>27,647,460</u>	<u>27,922,873</u>

Exhibit 3.3.1 - Attachment 2
Comparison of Normalized Throughput Volume - Service Type & Rate Class - 2021 Actual & 2022 Actual

Line No.	Particulars (10 ³ m ³)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	4,930,993	86,477	5,017,470	4,928,130	76,175	5,004,305	(13,165)
2	Rate 6	2,899,533	1,806,248	4,705,781	2,954,007	1,737,662	4,691,668	(14,113)
3	Rate 9	3	-	3	(1)	-	(1)	(4)
4	Total - EGD Rate Zone	<u>7,830,529</u>	<u>1,892,725</u>	<u>9,723,254</u>	<u>7,882,136</u>	<u>1,813,836</u>	<u>9,695,973</u>	<u>(27,281)</u>
5	Rate M1	2,901,101	179,808	3,080,909	2,975,284	190,462	3,165,746	84,837
6	Rate M2	559,108	623,195	1,182,303	561,927	661,894	1,223,821	41,518
7	Rate 01	935,043	63,066	998,109	940,369	65,918	1,006,288	8,179
8	Rate 10	157,870	173,090	330,960	147,198	174,109	321,307	(9,653)
9	Total - Union Rate Zone	<u>4,553,122</u>	<u>1,039,159</u>	<u>5,592,281</u>	<u>4,624,779</u>	<u>1,092,383</u>	<u>5,717,162</u>	<u>124,881</u>
10	Total General Service	<u>12,383,651</u>	<u>2,931,884</u>	<u>15,315,535</u>	<u>12,506,915</u>	<u>2,906,220</u>	<u>15,413,135</u>	<u>97,600</u>
<u>Contract</u>								
11	Rate 100	12,899	21,095	33,994	12,918	23,886	36,804	2,810
12	Rate 110	83,587	1,020,335	1,103,922	113,896	1,083,182	1,197,078	93,156
13	Rate 115	1,011	386,733	387,744	1,036	399,937	400,973	13,229
14	Rate 125	-	707,660	707,660	-	977,270	977,270	269,610
15	Rate 135	2,624	60,488	63,112	2,578	56,401	58,979	(4,133)
16	Rate 145	29	24,912	24,941	1,289	17,581	18,869	(6,072)

Exhibit 3.3.1 - Attachment 2
Comparison of Normalized Throughput Volume - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (10 ³ m ³)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	6,302	250,441	256,744	7,685	283,859	291,544	34,800
18	Rate 200	145,763	54,230	199,994	139,960	50,697	190,657	(9,336)
19	Rate 300	-	269	269	-	211	211	(58)
20	Rate 315	-	-	-	-	-	-	-
21	Total - EGD Rate Zone	<u>252,216</u>	<u>2,526,164</u>	<u>2,778,379</u>	<u>279,361</u>	<u>2,893,025</u>	<u>3,172,386</u>	<u>394,007</u>
22	Rate M4	56,304	554,504	610,808	64,479	537,398	601,877	(8,931)
23	Rate M7	31,987	654,366	686,353	41,088	708,979	750,067	63,714
24	Rate M9	15,903	74,193	90,096	18,996	77,894	96,890	6,794
25	Rate M10	320	-	320	331	-	331	11
26	Rate 20	8,464	629,136	637,600	9,113	870,231	879,345	241,745
27	Rate 100	-	958,587	958,587	-	943,946	943,946	(14,641)
28	Rate T1	-	453,007	453,007	-	440,944	440,944	(12,063)
29	Rate T2	-	4,700,474	4,700,474	-	4,850,508	4,850,508	150,033
30	Rate T3	-	241,187	241,187	-	278,032	278,032	36,845
31	Rate M5	4,043	59,468	63,511	1,835	58,974	60,809	(2,702)
32	Rate 25	79,188	64,709	143,898	68,669	82,612	151,281	7,383
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	<u>196,209</u>	<u>8,389,631</u>	<u>8,585,841</u>	<u>204,511</u>	<u>8,849,518</u>	<u>9,054,029</u>	<u>468,188</u>
35	Total Contract	<u>448,425</u>	<u>10,915,795</u>	<u>11,364,220</u>	<u>483,872</u>	<u>11,742,543</u>	<u>12,226,415</u>	<u>862,195</u>
36	Total Volume	<u>12,832,076</u>	<u>13,847,679</u>	<u>26,679,755</u>	<u>12,990,787</u>	<u>14,648,763</u>	<u>27,639,549</u>	<u>959,795</u>

Exhibit 3.3.1 - Attachment 2
Comparison of Normalized Throughput Volume - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (10 ³ m ³)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service - Sector</u>								
37	Residential	7,988,339	168,229	8,156,568	8,014,764	144,128	8,158,892	2,324
38	Commercial	3,888,706	2,265,515	6,154,221	4,012,552	2,285,752	6,298,304	144,083
39	Industrial	506,605	498,140	1,004,746	479,600	476,339	955,939	(48,807)
40	Total	<u>12,383,651</u>	<u>2,931,884</u>	<u>15,315,535</u>	<u>12,506,915</u>	<u>2,906,220</u>	<u>15,413,135</u>	<u>97,600</u>
<u>Contract - Sector</u>								
41	Automotive	-	180,015	180,015	(10)	211,910	211,900	31,885
42	Buildings	23,931	568,021	591,952	32,766	591,479	624,245	32,293
43	Chemical	8,211	1,681,770	1,689,982	6,673	1,469,284	1,475,957	(214,025)
44	Food & Beverage	63,829	717,247	781,076	77,289	729,343	806,632	25,556
45	Greenhouse - Agricultural	29,650	660,799	690,449	38,483	697,116	735,600	45,150
46	Manufacturing	48,899	710,663	759,562	52,498	699,618	752,117	(7,445)
47	Mining	5,724	307,622	313,346	6,217	325,325	331,543	18,197
48	Other	176,731	451,480	628,211	177,114	502,522	679,637	51,426
49	Power	20,189	1,955,808	1,975,997	16,468	2,821,192	2,837,659	861,663
50	Pulp & Paper	18,788	541,859	560,647	35,941	569,741	605,682	45,035
51	Refining	779	1,456,898	1,457,677	-	1,484,879	1,484,879	27,202
52	Steel	51,695	1,683,613	1,735,308	40,432	1,640,134	1,680,566	(54,742)
53	Total	<u>448,425</u>	<u>10,915,795</u>	<u>11,364,220</u>	<u>483,872</u>	<u>11,742,543</u>	<u>12,226,415</u>	<u>862,195</u>
54	Total Volume	<u>12,832,076</u>	<u>13,847,679</u>	<u>26,679,755</u>	<u>12,990,787</u>	<u>14,648,763</u>	<u>27,639,549</u>	<u>959,795</u>

Exhibit 3.3.1 - Attachment 2
Comparison of Normalized Throughput Volume - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year

Line No.	Particulars (10 ³ m ³)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	4,928,130	76,175	5,004,305	4,949,972	95,496	5,045,468	41,163
2	Rate 6	2,954,007	1,737,662	4,691,668	3,026,407	1,860,706	4,887,113	195,445
3	Rate 9	(1)	-	(1)	-	-	-	1
4	Total - EGD Rate Zone	7,882,136	1,813,836	9,695,973	7,976,379	1,956,202	9,932,581	236,609
5	Rate M1	2,975,284	190,462	3,165,746	2,882,812	180,358	3,063,170	(102,576)
6	Rate M2	561,927	661,894	1,223,821	624,631	628,533	1,253,164	29,343
7	Rate 01	940,369	65,918	1,006,288	952,937	60,000	1,012,937	6,649
8	Rate 10	147,198	174,109	321,307	189,976	168,858	358,834	37,527
9	Total - Union Rate Zone	4,624,779	1,092,383	5,717,162	4,650,356	1,037,749	5,688,104	(29,058)
10	Total General Service	12,506,915	2,906,220	15,413,135	12,626,735	2,993,951	15,620,686	207,551
<u>Contract</u>								
11	Rate 100	12,918	23,886	36,804	15,118	12,972	28,090	(8,714)
12	Rate 110	113,896	1,083,182	1,197,078	102,758	971,614	1,074,372	(122,706)
13	Rate 115	1,036	399,937	400,973	1,669	384,370	386,039	(14,935)
14	Rate 125	-	977,270	977,270	-	824,971	824,971	(152,300)
15	Rate 135	2,578	56,401	58,979	4,818	50,668	55,486	(3,494)
16	Rate 145	1,289	17,581	18,869	556	14,775	15,331	(3,538)

Exhibit 3.3.1 - Attachment 2
Comparison of Normalized Throughput Volume - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (10 ³ m ³)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	7,685	283,859	291,544	5,361	317,065	322,426	30,882
18	Rate 200	139,960	50,697	190,657	138,497	48,105	186,602	(4,055)
19	Rate 300	-	211	211	-	-	-	(211)
20	Rate 315	-	-	-	-	-	-	-
21	Total - EGD Rate Zone	<u>279,361</u>	<u>2,893,025</u>	<u>3,172,386</u>	<u>268,775</u>	<u>2,624,540</u>	<u>2,893,316</u>	<u>(279,070)</u>
22	Rate M4	64,479	537,398	601,877	59,807	538,356	598,163	(3,714)
23	Rate M7	41,088	708,979	750,067	35,619	713,923	749,542	(525)
24	Rate M9	18,996	77,894	96,890	15,795	74,278	90,073	(6,816)
25	Rate M10	331	-	331	329	-	329	(2)
26	Rate 20	9,113	870,231	879,345	13,923	825,828	839,751	(39,594)
27	Rate 100	-	943,946	943,946	-	1,036,696	1,036,696	92,750
28	Rate T1	-	440,944	440,944	-	434,564	434,564	(6,380)
29	Rate T2	-	4,850,508	4,850,508	-	4,962,964	4,962,964	112,456
30	Rate T3	-	278,032	278,032	-	249,200	249,200	(28,832)
31	Rate M5	1,835	58,974	60,809	2,187	58,615	60,802	(7)
32	Rate 25	68,669	82,612	151,281	7,112	104,263	111,374	(39,907)
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	<u>204,511</u>	<u>8,849,518</u>	<u>9,054,029</u>	<u>134,772</u>	<u>8,998,687</u>	<u>9,133,458</u>	<u>79,429</u>
35	Total Contract	<u>483,872</u>	<u>11,742,543</u>	<u>12,226,415</u>	<u>403,547</u>	<u>11,623,227</u>	<u>12,026,774</u>	<u>(199,641)</u>
36	Total Volume	<u>12,990,787</u>	<u>14,648,763</u>	<u>27,639,549</u>	<u>13,030,282</u>	<u>14,617,178</u>	<u>27,647,460</u>	<u>7,910</u>

Exhibit 3.3.1 - Attachment 2
Comparison of Normalized Throughput Volume - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (10 ³ m ³)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service - Sector</u>								
37	Residential	8,014,764	144,128	8,158,892	7,974,439	162,390	8,136,829	(22,063)
38	Commercial	4,012,552	2,285,752	6,298,304	4,112,244	2,360,275	6,472,519	174,215
39	Industrial	479,600	476,339	955,939	540,052	471,285	1,011,337	55,398
40	Total	<u>12,506,915</u>	<u>2,906,220</u>	<u>15,413,135</u>	<u>12,626,735</u>	<u>2,993,951</u>	<u>15,620,686</u>	<u>207,551</u>
<u>Contract - Sector</u>								
41	Automotive	(10)	211,910	211,900	-	200,474	200,474	(11,425)
42	Buildings	32,766	591,479	624,245	26,660	616,485	643,146	18,901
43	Chemical	6,673	1,469,284	1,475,957	6,637	2,008,424	2,015,061	539,105
44	Food & Beverage	77,289	729,343	806,632	63,355	712,870	776,224	(30,408)
45	Greenhouse - Agricultural	38,483	697,116	735,600	36,405	720,095	756,500	20,900
46	Manufacturing	52,498	699,618	752,117	54,262	697,780	752,042	(75)
47	Mining	6,217	325,325	331,543	2,893	340,984	343,877	12,334
48	Other	177,114	502,522	679,637	171,096	299,857	470,953	(208,684)
49	Power	16,468	2,821,192	2,837,659	16,273	2,282,225	2,298,498	(539,161)
50	Pulp & Paper	35,941	569,741	605,682	18,968	604,842	623,810	18,128
51	Refining	-	1,484,879	1,484,879	-	1,450,521	1,450,521	(34,358)
52	Steel	40,432	1,640,134	1,680,566	6,997	1,688,671	1,695,668	15,102
53	Total	<u>483,872</u>	<u>11,742,543</u>	<u>12,226,415</u>	<u>403,547</u>	<u>11,623,227</u>	<u>12,026,774</u>	<u>(199,641)</u>
54	Total Volume	<u>12,990,787</u>	<u>14,648,763</u>	<u>27,639,549</u>	<u>13,030,282</u>	<u>14,617,178</u>	<u>27,647,460</u>	<u>7,910</u>

Exhibit 3.3.1 - Attachment 3
Revenue - Normalized - General Service Sales & T-Service, Contract Sales & T-Service

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>General Service</u>								
1	Rate 1	EGI	1,743.2	1,679.0	1,829.5	2,349.7	2,212.3	2,206.4
2	Rate 6	EGI	955.6	876.6	959.9	1,289.9	1,206.6	1,190.7
3	Rate 9	EGI	-	-	0.0	(0.0)	-	-
4	Total - EGD Rate Zone		<u>2,698.8</u>	<u>2,555.6</u>	<u>2,789.5</u>	<u>3,639.6</u>	<u>3,418.9</u>	<u>3,397.1</u>
5	Rate M1	EGI	865.0	821.7	900.1	1,249.5	1,130.0	1,242.2
6	Rate M2	EGI	161.7	141.0	151.4	223.0	218.6	248.3
7	Rate 01	EGI	385.5	367.6	395.0	500.2	481.5	484.2
8	Rate 10	EGI	69.1	61.0	64.1	81.5	89.8	82.4
9	Total - Union Rate Zone		<u>1,481.3</u>	<u>1,391.3</u>	<u>1,510.6</u>	<u>2,054.1</u>	<u>1,919.9</u>	<u>2,057.1</u>
10	Total General Service		<u>4,180.1</u>	<u>3,946.9</u>	<u>4,300.1</u>	<u>5,693.7</u>	<u>5,338.8</u>	<u>5,454.2</u>
<u>Contract</u>								
11	Rate 100	EGI	3.1	3.0	4.7	6.6	5.7	5.6
12	Rate 110	EGI	42.1	46.0	57.1	80.9	68.3	68.1
13	Rate 115	EGI	9.1	7.8	8.4	10.1	9.6	9.5
14	Rate 125	EGI	11.3	11.4	11.9	12.2	12.5	12.5
15	Rate 135	EGI	2.2	2.0	2.2	2.5	2.5	2.3
16	Rate 145	EGI	1.8	1.6	1.9	2.2	1.8	1.8
17	Rate 170	EGI	7.7	1.4	2.3	4.8	2.3	2.3
18	Rate 200	EGI	28.7	26.4	31.5	42.8	38.1	38.6
19	Rate 300	EGI	0.1	0.1	0.1	0.1	-	-
20	Rate 315	EGI	-	0.0	0.0	0.0	-	-
21	Total - EGD Rate Zone		<u>106.1</u>	<u>99.6</u>	<u>120.0</u>	<u>162.3</u>	<u>140.7</u>	<u>140.6</u>

Exhibit 3.3.1 - Attachment 3
Revenue - Normalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
22	Rate M4	EGI	37.8	38.0	40.8	51.7	47.8	49.6
23	Rate M7	EGI	18.6	21.8	27.9	38.2	36.1	37.8
24	Rate M9	EGI	5.4	3.5	4.0	6.7	5.2	5.4
25	Rate M10	EGI	0.1	0.1	0.1	0.1	0.1	-
26	Rate 20	EGI	30.9	33.1	33.5	38.0	39.6	40.7
27	Rate 100	EGI	10.7	11.3	11.5	11.9	11.4	11.8
28	Rate T1	EGI	12.7	13.5	13.9	14.3	14.4	14.4
29	Rate T2	EGI	71.6	74.0	76.0	82.1	79.3	79.8
30	Rate T3	EGI	6.9	7.1	7.2	7.5	7.8	7.8
31	Rate M5	EGI	3.5	2.6	3.1	3.2	3.2	3.3
32	Rate 25	EGI	11.0	7.8	18.8	24.9	6.0	6.2
33	Rate 30	EGI	-	-	-	-	-	-
34	Total - Union Rate Zone		209.2	212.9	236.8	278.6	250.9	256.8
35	Total Contract		315.3	312.5	356.8	440.8	391.5	397.4
36	Subtotal		4,495.4	4,259.4	4,656.8	6,134.5	5,730.3	5,851.6

Exhibit 3.3.1 - Attachment 3
Revenue - Normalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>Accounting Adjustments</u>								
37	Tax Variance	EGI	(24.1)	(13.4)	(18.0)	(29.9)	(27.5)	-
38	Elimination of Prior Year Tax Variance	EGI	4.5	-	-	-	-	-
39	Accounting Policy Change	EGI	1.1	(14.0)	(16.2)	(2.8)	(33.4)	-
40	Average Use/ Normalized Average Consumption	EGD (1)	(8.6)	(4.6)	15.4	6.9	-	-
41	Dawn Access Cost	EGD	2.2	2.1	2.0	1.2	-	-
42	Incremental Capital Module	EGD	-	(0.3)	0.2	(6.9)	6.9	-
43	Prior Year Earnings Sharing Adjustment	EGD	(1.7)	-	-	-	-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD	1.7	-	-	-	-	-
45	Transactional Services Revenue	EGD	12.0	12.0	12.0	12.0	12.0	-
46	LRAM	EGD	-	-	-	0.1	-	-
47	Federal Carbon Program	EGD	0.1	0.6	0.7	0.9	-	-
48	Greenhouse Gas Emissions Administration	EGD	0.2	0.2	0.1	0.1	-	-
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD	(3.9)	(3.9)	-	-	-	-
50	Elimination of 2019 Gas Supply Plan Cost Consequences reversal	EGD	-	3.9	-	-	-	-
51	Average Use/ Normalized Average Consumption	Union (2)	(4.7)	7.2	19.0	8.8	(6.1)	-
52	Parkway Obligation Rate Variance	Union	0.3	-	-	-	-	-
53	Incremental Capital Module	Union	(7.0)	(5.6)	(14.0)	(2.0)	1.2	-
54	Capital Pass-through	Union	(1.0)	(1.1)	(4.4)	(2.9)	(2.9)	-
55	Union Parkway Obligation	Union	-	-	-	(0.1)	-	-
56	LRAM	Union	0.4	1.4	0.7	0.8	0.4	-

Exhibit 3.3.1 - Attachment 3
Revenue - Normalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (\$ millions)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
57	Federal Carbon Program	Union	0.4	1.2	1.5	2.0	-	-
58	Elimination of the Union rate zones unregulated storage cost from EGD rate zone revenues	Union	(17.4)	(17.7)	(17.2)	(17.4)	(16.4)	-
59	Miscellaneous	EGI	0.5	0.7	1.4	8.9	-	-
60	Total		<u>(45.0)</u>	<u>(31.3)</u>	<u>(16.8)</u>	<u>(20.5)</u>	<u>(65.8)</u>	<u>-</u>
61	Total Utility Revenue		<u>4,450.4</u>	<u>4,228.1</u>	<u>4,640.1</u>	<u>6,114.0</u>	<u>5,664.5</u>	<u>5,851.6</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Exhibit 3.3.1 - Attachment 4
Comparison of Normalized Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	1,810.6	18.9	1,829.5	2,332.3	17.4	2,349.7	520.2
2	Rate 6	807.3	152.6	959.9	1,128.3	161.6	1,289.9	330.0
3	Rate 9	0.0	(0.0)	0.0	(0.0)	-	(0.0)	(0.0)
4	Total - EGD Rate Zone	<u>2,617.9</u>	<u>171.6</u>	<u>2,789.5</u>	<u>3,460.6</u>	<u>179.0</u>	<u>3,639.6</u>	<u>850.1</u>
5	Rate M1	881.4	18.7	900.1	1,229.4	20.1	1,249.5	349.3
6	Rate M2	114.6	36.8	151.4	180.2	42.8	223.0	71.7
7	Rate 01	381.5	13.4	395.0	485.8	14.4	500.2	105.2
8	Rate 10	43.0	21.1	64.1	58.7	22.8	81.5	17.3
9	Total - Union Rate Zone	<u>1,420.5</u>	<u>90.1</u>	<u>1,510.6</u>	<u>1,954.0</u>	<u>100.1</u>	<u>2,054.1</u>	<u>543.5</u>
10	Total General Service	<u>4,038.4</u>	<u>261.6</u>	<u>4,300.1</u>	<u>5,414.6</u>	<u>279.1</u>	<u>5,693.7</u>	<u>1,393.6</u>
<u>Contract</u>								
11	Rate 100	2.9	1.8	4.7	4.3	2.3	6.6	1.9
12	Rate 110	16.7	40.4	57.1	33.8	47.1	80.9	23.8
13	Rate 115	0.2	8.2	8.4	0.3	9.8	10.1	1.7
14	Rate 125	-	11.9	11.9	-	12.2	12.2	0.3
15	Rate 135	0.6	1.6	2.2	0.9	1.6	2.5	0.3
16	Rate 145	0.0	1.9	1.9	0.4	1.8	2.2	0.3

Exhibit 3.3.1 - Attachment 4
Comparison of Normalized Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	1.1	1.3	2.3	2.1	2.7	4.8	2.5
18	Rate 200	29.1	2.4	31.5	40.3	2.5	42.8	11.3
19	Rate 300	-	0.1	0.1	-	0.1	0.1	0.0
20	Rate 315	-	0.0	0.0	-	0.0	0.0	(0.0)
21	Total - EGD Rate Zone	<u>50.5</u>	<u>69.5</u>	<u>120.0</u>	<u>82.1</u>	<u>80.2</u>	<u>162.3</u>	<u>42.3</u>
22	Rate M4	12.0	28.8	40.8	21.2	30.5	51.7	10.8
23	Rate M7	6.7	21.2	27.9	13.7	24.5	38.2	10.3
24	Rate M9	3.0	1.0	4.0	5.4	1.3	6.7	2.6
25	Rate M10	0.1	-	0.1	0.1	-	0.1	0.0
26	Rate 20	2.9	30.6	33.5	4.2	33.8	38.0	4.5
27	Rate 100	-	11.5	11.5	-	11.9	11.9	0.4
28	Rate T1	-	13.9	13.9	-	14.3	14.3	0.4
29	Rate T2	-	76.0	76.0	-	82.1	82.1	6.1
30	Rate T3	-	7.2	7.2	-	7.5	7.5	0.3
31	Rate M5	0.8	2.3	3.1	0.7	2.5	3.2	0.1
32	Rate 25	15.6	3.1	18.8	21.2	3.7	24.9	6.1
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	<u>41.1</u>	<u>195.7</u>	<u>236.8</u>	<u>66.5</u>	<u>212.0</u>	<u>278.6</u>	<u>41.8</u>
35	Total Contract	<u>91.6</u>	<u>265.2</u>	<u>356.8</u>	<u>148.6</u>	<u>292.2</u>	<u>440.8</u>	<u>84.1</u>
36	Subtotal	<u>4,130.0</u>	<u>526.8</u>	<u>4,656.8</u>	<u>5,563.2</u>	<u>571.3</u>	<u>6,134.5</u>	<u>1,477.7</u>

Exhibit 3.3.1 - Attachment 4
Comparison of Normalized Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	Actual (b)	(c)	(d)	Actual (e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(18.0)			(29.9)	(11.9)
38	Elimination of Prior Year Tax Variance	EGI		-			-	-
39	Accounting Policy Change	EGI		(16.2)			(2.8)	13.4
40	Average Use/ Normalized Average Consumption	EGD (1)		15.4			6.9	(8.5)
41	Dawn Access Cost	EGD		2.0			1.2	(0.8)
42	Incremental Capital Module	EGD		0.2			(6.9)	(7.1)
43	Prior Year Earnings Sharing Adjustment	EGD		-			-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-			-	-
45	Transactional Services Revenue	EGD		12.0			12.0	0.0
46	LRAM	EGD		-			0.1	0.1
47	Federal Carbon Program	EGD		0.7			0.9	0.2
48	Greenhouse Gas Emissions Administration	EGD		0.1			0.1	(0.0)
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-

Exhibit 3.3.1 - Attachment 4
Comparison of Normalized Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
50	Elimination of 2019 Gas Supply Plan Cost							
	Consequences Reversal	EGD		-			-	-
51	Average Use/ Normalized Average Consumption	Union (2)		19.0			8.8	(10.2)
52	Parkway Obligation Rate Variance	Union		-			-	-
53	Incremental Capital Module	Union		(14.0)			(2.0)	12.0
54	Capital Pass-through	Union		(4.4)			(2.9)	1.5
55	Union Parkway Obligation	Union		-			(0.1)	(0.1)
56	LRAM	Union		0.7			0.8	0.1
57	Federal Carbon Program	Union		1.5			2.0	0.5
58	Elimination of the Union rate zones unregulated storage cost from EGD rate zone revenues	EGI		(17.2)			(17.4)	(0.2)
59	Miscellaneous	EGI		1.4			8.9	7.5
60	Total			<u>(16.8)</u>			<u>(20.5)</u>	<u>(3.7)</u>
61	Total Utility Revenue			<u>4,640.1</u>			<u>6,114.0</u>	<u>1,473.9</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Exhibit 3.3.1 - Attachment 4
Comparison of Normalized Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		Actual	Bridge Year		Bridge Year			
		(a)	(b)	(c)	(d)	(e)	(f)	(g) = (f-c)
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	2,332.3	17.4	2,349.7	2,193.3	19.1	2,212.3	(137.4)
2	Rate 6	1,128.3	161.6	1,289.9	1,043.3	163.3	1,206.6	(83.3)
3	Rate 9	(0.0)	-	(0.0)	-	-	-	0.0
4	Total - EGD Rate Zone	<u>3,460.6</u>	<u>179.0</u>	<u>3,639.6</u>	<u>3,236.6</u>	<u>182.4</u>	<u>3,418.9</u>	<u>(220.6)</u>
5	Rate M1	1,229.4	20.1	1,249.5	1,109.5	20.5	1,130.0	(119.5)
6	Rate M2	180.2	42.8	223.0	173.9	44.7	218.6	(4.4)
7	Rate 01	485.8	14.4	500.2	467.5	14.0	481.5	(18.7)
8	Rate 10	58.7	22.8	81.5	65.9	23.9	89.8	8.3
9	Total - Union Rate Zone	<u>1,954.0</u>	<u>100.1</u>	<u>2,054.1</u>	<u>1,816.8</u>	<u>103.1</u>	<u>1,919.9</u>	<u>(134.3)</u>
10	Total General Service	<u>5,414.6</u>	<u>279.1</u>	<u>5,693.7</u>	<u>5,053.4</u>	<u>285.4</u>	<u>5,338.8</u>	<u>(354.9)</u>
<u>Contract</u>								
11	Rate 100	4.3	2.3	6.6	4.3	1.4	5.7	(0.9)
12	Rate 110	33.8	47.1	80.9	26.4	41.9	68.3	(12.6)
13	Rate 115	0.3	9.8	10.1	0.4	9.1	9.6	(0.5)
14	Rate 125	-	12.2	12.2	-	12.5	12.5	0.3
15	Rate 135	0.9	1.6	2.5	1.2	1.3	2.5	(0.1)
16	Rate 145	0.4	1.8	2.2	0.2	1.6	1.8	(0.5)

Exhibit 3.3.1 - Attachment 4
Comparison of Normalized Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		Actual			Bridge Year			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	2.1	2.7	4.8	1.2	1.1	2.3	(2.6)
18	Rate 200	40.3	2.5	42.8	36.5	1.7	38.1	(4.7)
19	Rate 300	-	0.1	0.1	-	-	-	(0.1)
20	Rate 315	-	0.0	0.0	-	-	-	(0.0)
21	Total - EGD Rate Zone	<u>82.1</u>	<u>80.2</u>	<u>162.3</u>	<u>70.1</u>	<u>70.5</u>	<u>140.7</u>	<u>(21.6)</u>
22	Rate M4	21.2	30.5	51.7	16.7	31.1	47.8	(3.8)
23	Rate M7	13.7	24.5	38.2	10.5	25.6	36.1	(2.2)
24	Rate M9	5.4	1.3	6.7	3.9	1.3	5.2	(1.5)
25	Rate M10	0.1	-	0.1	0.1	-	0.1	(0.0)
26	Rate 20	4.2	33.8	38.0	4.9	34.7	39.6	1.6
27	Rate 100	-	11.9	11.9	-	11.4	11.4	(0.4)
28	Rate T1	-	14.3	14.3	-	14.4	14.4	0.1
29	Rate T2	-	82.1	82.1	-	79.3	79.3	(2.8)
30	Rate T3	-	7.5	7.5	-	7.8	7.8	0.3
31	Rate M5	0.7	2.5	3.2	0.7	2.5	3.2	(0.0)
32	Rate 25	21.2	3.7	24.9	2.0	4.1	6.0	(18.9)
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	<u>66.5</u>	<u>212.0</u>	<u>278.6</u>	<u>38.7</u>	<u>212.2</u>	<u>250.9</u>	<u>(27.7)</u>
35	Total Contract	<u>148.6</u>	<u>292.2</u>	<u>440.8</u>	<u>108.8</u>	<u>282.7</u>	<u>391.5</u>	<u>(49.3)</u>
36	Subtotal	<u>5,563.2</u>	<u>571.3</u>	<u>6,134.5</u>	<u>5,162.2</u>	<u>568.1</u>	<u>5,730.3</u>	<u>(404.2)</u>

Exhibit 3.3.1 - Attachment 4
Comparison of Normalized Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Year Over/(Under) 2022 Actual (g) = (f-c)
		(a)	Actual (b)	(c)	(d)	Bridge Year (e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(29.9)			(27.5)	2.4
38	Elimination of Prior Year Tax Variance	EGI		-			-	-
39	Accounting Policy Change	EGI		(2.8)			(33.4)	(30.6)
40	Average Use/ Normalized Average Consumption	EGD (1)		6.9			-	(6.9)
41	Dawn Access Cost	EGD		1.2			-	(1.2)
42	Incremental Capital Module	EGD		(6.9)			6.9	13.8
43	Prior Year Earnings Sharing Adjustment	EGD		-			-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-			-	-
45	Transactional Services Revenue	EGD		12.0			12.0	(0.0)
46	LRAM	EGD		0.1			-	(0.1)
47	Federal Carbon Program	EGD		0.9			-	(0.9)
48	Greenhouse Gas Emissions Administration	EGD		0.1			-	(0.1)
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-

Exhibit 3.3.1 - Attachment 4
Comparison of Normalized Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Year Over/(Under) 2022 Actual (g) = (f-c)
		(a)	Actual (b)	(c)	(d)	Bridge Year (e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
50	Elimination of 2019 Gas Supply Plan Cost							
	Consequences Reversal	EGD		-			-	-
51	Average Use/ Normalized Average Consumption	Union (2)		8.8			(6.1)	(14.9)
52	Parkway Obligation Rate Variance	Union		-			-	-
53	Incremental Capital Module	Union		(2.0)			1.2	3.2
54	Capital Pass-through	Union		(2.9)			(2.9)	0.0
55	Union Parkway Obligation	Union		(0.1)			-	0.1
56	LRAM	Union		0.8			0.4	(0.3)
57	Federal Carbon Program	Union		2.0			-	(2.0)
58	Elimination of the Union rate zones unregulated storage cost from EGD rate zone revenues	EGI		(17.4)			(16.4)	1.0
59	Miscellaneous	EGI		8.9			-	(8.9)
60	Total			<u>(20.5)</u>			<u>(65.8)</u>	<u>(45.2)</u>
61	Total Utility Revenue			<u>6,114.0</u>			<u>5,664.5</u>	<u>(449.5)</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Exhibit 3.3.1 - Attachment 7
Throughput Volumes - Unnormalized - General Service Sales & T-Service, Contract Sales & T-Service

Line No.	Particulars (10 ³ m ³)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>General Service</u>								
1	Rate 1	EGI	5,358,589	4,894,404	4,748,722	5,106,314	5,045,468	5,001,027
2	Rate 6	EGI	5,300,022	4,650,326	4,438,432	4,787,677	4,887,113	4,795,694
3	Rate 9	EGI	-	127	3	(1)	-	-
4	Total - EGD Rate Zone		<u>10,658,611</u>	<u>9,544,857</u>	<u>9,187,158</u>	<u>9,893,991</u>	<u>9,932,581</u>	<u>9,796,721</u>
5	Rate M1	EGI	3,301,399	3,003,878	2,897,087	3,183,662	3,063,170	3,255,132
6	Rate M2	EGI	1,348,932	1,204,341	1,113,864	1,226,228	1,253,164	1,319,376
7	Rate 01	EGI	1,071,407	982,736	929,941	1,010,936	1,012,937	989,005
8	Rate 10	EGI	380,692	342,656	311,794	320,456	358,834	327,974
9	Total - Union Rate Zone		<u>6,102,429</u>	<u>5,533,611</u>	<u>5,252,686</u>	<u>5,741,281</u>	<u>5,688,104</u>	<u>5,891,487</u>
10	Total General Service		<u>16,761,040</u>	<u>15,078,468</u>	<u>14,439,844</u>	<u>15,635,272</u>	<u>15,620,686</u>	<u>15,688,208</u>
<u>Contract</u>								
11	Rate 100	EGI	15,377	20,111	33,994	36,815	28,090	27,429
12	Rate 110	EGI	875,396	981,141	1,101,890	1,197,877	1,074,372	1,068,281
13	Rate 115	EGI	441,616	378,039	387,697	400,995	386,039	381,873
14	Rate 125	EGI	591,623	523,436	707,660	977,270	824,971	824,971
15	Rate 135	EGI	63,020	65,287	63,112	59,020	55,486	52,646
16	Rate 145	EGI	30,440	23,396	24,785	18,909	15,331	15,714
17	Rate 170	EGI	286,358	247,430	255,701	291,964	322,426	323,254
18	Rate 200	EGI	196,879	189,473	192,010	187,361	186,602	188,852
19	Rate 300	EGI	349	262	269	211	-	-
20	Rate 315	EGI	-	-	-	-	-	-
21	Total - EGD Rate Zone		<u>2,501,058</u>	<u>2,428,575</u>	<u>2,767,118</u>	<u>3,170,422</u>	<u>2,893,316</u>	<u>2,883,020</u>

Exhibit 3.3.1 - Attachment 7
Throughput Volumes - Unnormalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (10 ³ m ³)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
22	Rate M4	EGI	674,011	621,380	610,808	601,877	598,163	593,900
23	Rate M7	EGI	541,343	618,372	686,353	750,067	749,542	789,737
24	Rate M9	EGI	103,989	88,765	90,096	96,890	90,073	90,073
25	Rate M10	EGI	391	360	320	331	329	-
26	Rate 20	EGI	522,900	778,476	637,600	879,345	839,751	929,101
27	Rate 100	EGI	1,020,510	996,605	958,587	943,946	1,036,696	1,076,378
28	Rate T1	EGI	437,372	430,312	453,007	440,944	434,564	431,289
29	Rate T2	EGI	4,136,389	4,017,975	4,700,474	4,850,508	4,962,964	5,005,643
30	Rate T3	EGI	283,374	264,209	241,187	278,032	249,200	249,200
31	Rate M5	EGI	73,965	61,817	63,511	60,809	60,802	59,493
32	Rate 25	EGI	119,200	92,838	143,898	151,281	111,374	126,831
33	Rate 30	EGI	-	-	-	-	-	-
34	Total - Union Rate Zone		7,913,444	7,971,109	8,585,841	9,054,029	9,133,458	9,351,645
35	Total Contract		10,414,502	10,399,684	11,352,959	12,224,451	12,026,774	12,234,665
36	Total Volume		27,175,542	25,478,152	25,792,803	27,859,723	27,647,460	27,922,873

Exhibit 3.3.1 - Attachment 7
Throughput Volumes - Unnormalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (10 ³ m ³)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>General Service - Sector</u>								
37	Residential	EGI	8,669,670	7,928,784	7,681,525	8,288,826	8,136,829	8,179,258
38	Commercial	EGI	7,553,939	6,685,696	5,815,079	6,379,352	6,472,519	6,448,091
39	Industrial	EGI	537,431	463,988	943,240	967,094	1,011,337	1,060,859
40	Total		<u>16,761,040</u>	<u>15,078,468</u>	<u>14,439,844</u>	<u>15,635,272</u>	<u>15,620,686</u>	<u>15,688,208</u>
<u>Contract - Sector</u>								
41	Automotive	EGI	186,181	186,802	179,967	211,920	200,474	214,930
42	Buildings	EGI	526,141	542,150	591,355	624,092	643,146	642,128
43	Chemical	EGI	1,644,708	1,608,227	1,689,380	1,476,057	2,015,061	2,013,902
44	Food & Beverage	EGI	751,934	762,623	779,697	806,207	776,224	774,166
45	Greenhouse - Agricultural	EGI	586,862	632,603	689,721	735,420	756,500	816,729
46	Manufacturing	EGI	733,716	706,036	758,462	751,848	752,042	749,817
47	Mining	EGI	347,841	334,362	313,157	331,535	343,877	406,498
48	Other	EGI	649,352	628,324	624,800	678,549	470,953	421,610
49	Power	EGI	1,552,060	1,564,142	1,975,099	2,837,828	2,298,498	2,427,690
50	Pulp & Paper	EGI	526,282	552,620	560,152	605,507	623,810	623,250
51	Refining	EGI	1,383,051	1,467,050	1,457,273	1,485,023	1,450,521	1,454,573
52	Steel	EGI	1,526,373	1,414,744	1,733,896	1,680,466	1,695,668	1,689,373
53	Total		<u>10,414,502</u>	<u>10,399,684</u>	<u>11,352,959</u>	<u>12,224,451</u>	<u>12,026,774</u>	<u>12,234,665</u>
54	Total Volume		<u>27,175,542</u>	<u>25,478,152</u>	<u>25,792,803</u>	<u>27,859,723</u>	<u>27,647,460</u>	<u>27,922,873</u>

Exhibit 3.3.1 - Attachment 8
Comparison of Unnormalized Throughput Volume - Service Type & Rate Class - 2021 Actual & 2022 Actual

Line No.	Particulars (10 ³ m ³)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	4,665,992	82,730	4,748,722	5,029,401	76,913	5,106,314	357,592
2	Rate 6	2,740,101	1,698,331	4,438,432	3,031,974	1,755,703	4,787,677	349,245
3	Rate 9	3	-	3	(1)	-	(1)	(4)
4	Total - EGD Rate Zone	<u>7,406,097</u>	<u>1,781,061</u>	<u>9,187,158</u>	<u>8,061,374</u>	<u>1,832,617</u>	<u>9,893,991</u>	<u>706,833</u>
5	Rate M1	2,728,007	169,080	2,897,087	2,992,122	191,540	3,183,662	286,574
6	Rate M2	526,743	587,121	1,113,864	563,032	663,196	1,226,228	112,364
7	Rate 01	871,182	58,759	929,941	944,713	66,223	1,010,936	80,995
8	Rate 10	148,728	163,067	311,794	146,808	173,648	320,456	8,662
9	Total - Union Rate Zone	<u>4,274,660</u>	<u>978,026</u>	<u>5,252,686</u>	<u>4,646,675</u>	<u>1,094,606</u>	<u>5,741,281</u>	<u>488,595</u>
10	Total General Service	<u>11,680,756</u>	<u>2,759,087</u>	<u>14,439,844</u>	<u>12,708,049</u>	<u>2,927,223</u>	<u>15,635,272</u>	<u>1,195,428</u>
<u>Contract</u>								
11	Rate 100	12,899	21,095	33,994	12,929	23,886	36,815	2,821
12	Rate 110	83,260	1,018,629	1,101,890	114,059	1,083,818	1,197,877	95,987
13	Rate 115	1,002	386,695	387,697	1,040	399,955	400,995	13,297
14	Rate 125	-	707,660	707,660	-	977,270	977,270	269,610
15	Rate 135	2,624	60,488	63,112	2,578	56,442	59,020	(4,092)
16	Rate 145	-	24,785	24,785	1,302	17,607	18,909	(5,876)

Exhibit 3.3.1 - Attachment 8
Comparison of Unnormalized Throughput Volume - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (10 ³ m ³)	2021			2022			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	6,302	249,399	255,701	7,685	284,279	291,964	36,263
18	Rate 200	137,779	54,230	192,010	136,663	50,697	187,361	(4,649)
19	Rate 300	-	269	269	-	211	211	(58)
20	Rate 315	-	-	-	-	-	-	-
21	Total - EGD Rate Zone	<u>243,868</u>	<u>2,523,251</u>	<u>2,767,118</u>	<u>276,255</u>	<u>2,894,167</u>	<u>3,170,422</u>	<u>403,304</u>
22	Rate M4	56,304	554,504	610,808	64,479	537,398	601,877	(8,931)
23	Rate M7	31,987	654,366	686,353	41,088	708,979	750,067	63,714
24	Rate M9	15,903	74,193	90,096	18,996	77,894	96,890	6,794
25	Rate M10	320	-	320	331	-	331	11
26	Rate 20	8,464	629,136	637,600	9,113	870,231	879,345	241,745
27	Rate 100	-	958,587	958,587	-	943,946	943,946	(14,641)
28	Rate T1	-	453,007	453,007	-	440,944	440,944	(12,063)
29	Rate T2	-	4,700,474	4,700,474	-	4,850,508	4,850,508	150,033
30	Rate T3	-	241,187	241,187	-	278,032	278,032	36,845
31	Rate M5	4,043	59,468	63,511	1,835	58,974	60,809	(2,702)
32	Rate 25	79,188	64,709	143,898	68,669	82,612	151,281	7,383
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	<u>196,209</u>	<u>8,389,631</u>	<u>8,585,841</u>	<u>204,511</u>	<u>8,849,518</u>	<u>9,054,029</u>	<u>468,188</u>
35	Total Contract	<u>440,077</u>	<u>10,912,882</u>	<u>11,352,959</u>	<u>480,766</u>	<u>11,743,685</u>	<u>12,224,451</u>	<u>871,492</u>
36	Total Volume	<u>12,120,833</u>	<u>13,671,970</u>	<u>25,792,803</u>	<u>13,188,815</u>	<u>14,670,908</u>	<u>27,859,723</u>	<u>2,066,920</u>

Exhibit 3.3.1 - Attachment 8
Comparison of Unnormalized Throughput Volume - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (10 ³ m ³)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service - Sector</u>								
37	Residential	7,530,753	150,772	7,681,525	8,143,656	145,170	8,288,826	607,301
38	Commercial	3,674,411	2,140,669	5,815,079	4,077,081	2,302,271	6,379,352	564,272
39	Industrial	475,593	467,646	943,240	487,312	479,782	967,094	23,855
40	Total	<u>11,680,756</u>	<u>2,759,087</u>	<u>14,439,844</u>	<u>12,708,049</u>	<u>2,927,223</u>	<u>15,635,272</u>	<u>1,195,428</u>
<u>Contract - Sector</u>								
41	Automotive	-	179,967	179,967	(10)	211,930	211,920	31,953
42	Buildings	23,486	567,870	591,355	32,556	591,536	624,092	32,737
43	Chemical	8,059	1,681,321	1,689,380	6,630	1,469,427	1,476,057	(213,323)
44	Food & Beverage	62,641	717,056	779,697	76,793	729,414	806,207	26,511
45	Greenhouse - Agricultural	29,098	660,623	689,721	38,236	697,184	735,420	45,699
46	Manufacturing	47,988	710,473	758,462	52,161	699,686	751,848	(6,614)
47	Mining	5,617	307,540	313,157	6,178	325,357	331,535	18,378
48	Other	173,440	451,360	624,800	175,978	502,571	678,549	53,748
49	Power	19,813	1,955,286	1,975,099	16,362	2,821,466	2,837,828	862,729
50	Pulp & Paper	18,438	541,714	560,152	35,710	569,796	605,507	45,354
51	Refining	764	1,456,509	1,457,273	-	1,485,023	1,485,023	27,750
52	Steel	50,732	1,683,164	1,733,896	40,172	1,640,293	1,680,466	(53,431)
53	Total	<u>440,077</u>	<u>10,912,882</u>	<u>11,352,959</u>	<u>480,766</u>	<u>11,743,685</u>	<u>12,224,451</u>	<u>871,492</u>
54	Total Volume	<u>12,120,833</u>	<u>13,671,970</u>	<u>25,792,803</u>	<u>13,188,815</u>	<u>14,670,908</u>	<u>27,859,723</u>	<u>2,066,920</u>

Exhibit 3.3.1 - Attachment 9
Revenue - Unnormalized - General Service Sales & T-Service, Contract Sales & T-Service

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>General Service</u>								
1	Rate 1	EGI	1,824.8	1,646.6	1,768.3	2,376.1	2,212.3	2,206.4
2	Rate 6	EGI	1,009.2	850.9	920.1	1,309.4	1,206.6	1,190.7
3	Rate 9	EGI	-	0.0	-	(0.0)	-	-
4	Total - EGD Rate Zone		<u>2,834.0</u>	<u>2,497.6</u>	<u>2,688.3</u>	<u>3,685.5</u>	<u>3,418.9</u>	<u>3,397.1</u>
5	Rate M1	EGI	884.9	792.4	871.4	1,252.8	1,130.0	1,242.2
6	Rate M2	EGI	166.5	134.8	144.2	223.2	218.6	248.3
7	Rate 01	EGI	401.6	354.8	377.1	501.5	481.5	484.2
8	Rate 10	EGI	72.5	58.9	60.9	81.3	89.8	82.4
9	Total - Union Rate Zone		<u>1,525.5</u>	<u>1,341.0</u>	<u>1,453.5</u>	<u>2,058.8</u>	<u>1,919.9</u>	<u>2,057.1</u>
10	Total General Service		<u>4,359.5</u>	<u>3,838.5</u>	<u>4,141.9</u>	<u>5,744.2</u>	<u>5,338.8</u>	<u>5,454.2</u>
<u>Contract</u>								
11	Rate 100	EGI	3.1	3.0	4.7	6.6	5.7	5.6
12	Rate 110	EGI	42.2	45.9	57.0	80.9	68.3	68.1
13	Rate 115	EGI	9.1	7.8	8.3	10.1	9.6	9.5
14	Rate 125	EGI	11.3	11.4	11.9	12.2	12.5	12.5
15	Rate 135	EGI	2.2	2.0	2.2	2.5	2.5	2.3
16	Rate 145	EGI	1.8	1.6	1.9	2.2	1.8	1.8
17	Rate 170	EGI	7.8	1.4	2.3	4.8	2.3	2.3
18	Rate 200	EGI	30.3	25.5	30.2	42.8	38.1	38.6
19	Rate 300	EGI	0.1	0.1	0.1	0.1	-	-
20	Rate 315	EGI	-	-	0.0	0.0	-	-
21	Total - EGD Rate Zone		<u>107.8</u>	<u>98.7</u>	<u>118.6</u>	<u>162.3</u>	<u>140.7</u>	<u>140.6</u>

Exhibit 3.3.1 - Attachment 9
Revenue - Unnormalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (\$ millions)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
22	Rate M4	EGI	37.8	38.0	40.8	51.7	47.8	49.6
23	Rate M7	EGI	18.6	21.8	27.9	38.2	36.1	37.8
24	Rate M9	EGI	5.4	3.4	4.0	6.7	5.2	5.4
25	Rate M10	EGI	0.1	0.1	0.1	0.1	0.1	-
26	Rate 20	EGI	30.9	33.1	33.5	38.0	39.6	40.7
27	Rate 100	EGI	10.7	11.3	11.5	11.9	11.4	11.8
28	Rate T1	EGI	12.7	13.6	13.9	14.3	14.4	14.4
29	Rate T2	EGI	71.6	74.1	76.1	82.1	79.3	79.8
30	Rate T3	EGI	6.9	7.2	7.2	7.5	7.8	7.8
31	Rate M5	EGI	3.5	2.5	3.1	3.2	3.2	3.3
32	Rate 25	EGI	11.0	7.8	18.8	24.9	6.0	6.2
33	Rate 30	EGI	-	-	-	-	-	-
34	Total - Union Rate Zone		<u>208.9</u>	<u>212.9</u>	<u>236.8</u>	<u>278.6</u>	<u>250.9</u>	<u>256.8</u>
35	Total Contract		<u>316.7</u>	<u>311.6</u>	<u>355.4</u>	<u>440.8</u>	<u>391.5</u>	<u>397.4</u>
36	Subtotal		<u>4,676.2</u>	<u>4,150.1</u>	<u>4,497.3</u>	<u>6,185.1</u>	<u>5,730.3</u>	<u>5,851.6</u>

Exhibit 3.3.1 - Attachment 9
Revenue - Unnormalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No.	Particulars (\$ millions)	Utility	2019	2020	2021	2022	2023	2024
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>Accounting Adjustments</u>								
37	Tax Variance	EGI	(24.1)	(13.4)	(18.0)	(29.9)	(27.5)	-
38	Elimination of Prior Year Tax Variance	EGI	4.5	-	-	-	-	-
39	Accounting Policy Change	EGI	1.1	(14.0)	(16.2)	(2.8)	(33.4)	-
40	Average Use/ Normalized Average Consumption	EGD (1)	(8.6)	(4.6)	15.4	6.9	-	-
41	Dawn Access Cost	EGD	2.2	2.1	2.0	1.2	-	-
42	Incremental Capital Module	EGD	-	(0.3)	0.2	(6.9)	6.9	-
43	Prior Year Earnings Sharing Adjustment	EGD	(1.7)	-	-	-	-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD	1.7	-	-	-	-	-
45	Transactional Services Revenue	EGD	12.0	12.0	12.0	12.0	12.0	-
46	LRAM	EGD	0.0	-	-	0.1	-	-
47	Federal Carbon Program	EGD	0.1	0.6	0.7	0.9	-	-
48	Greenhouse Gas Emissions Administration	EGD	0.2	0.2	0.1	0.1	-	-
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD	(3.9)	(3.9)	-	-	-	-
50	Elimination of 2019 Gas Supply Plan Cost Consequences Reversal	EGD	-	3.9	-	-	-	-
51	Average Use/ Normalized Average Consumption	Union (2)	(4.7)	7.2	19.0	8.8	(6.1)	-
52	Parkway Obligation Rate Variance	Union	0.3	-	-	-	-	-
53	Incremental Capital Module	Union	(7.0)	(5.6)	(14.0)	(2.0)	1.2	-
54	Capital Pass-through	Union	(1.0)	(1.1)	(4.4)	(2.9)	(2.9)	-
55	Union Parkway Obligation	Union	-	-	-	(0.1)	-	-
56	LRAM	Union	0.4	1.4	0.7	0.8	0.4	-

Exhibit 3.3.1 - Attachment 9
Revenue - Unnormalized - General Service Sales & T-Service, Contract Sales & T-Service (Continued)

Line No	Particulars (\$ millions)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
57	Federal Carbon Program	Union	0.4	1.2	1.5	2.0	-	-
58	Elimination of the Union rate zones unregulated storage cost from EGD rate zone revenues	Union	(17.4)	(17.7)	(17.2)	(17.4)	(16.4)	-
59	Miscellaneous	EGI	0.5	0.7	1.4	8.9	-	-
60	Total		<u>(44.8)</u>	<u>(31.3)</u>	<u>(16.7)</u>	<u>(20.5)</u>	<u>(65.8)</u>	<u>-</u>
61	Total Utility Revenue		<u>4,631.5</u>	<u>4,118.8</u>	<u>4,480.6</u>	<u>6,164.5</u>	<u>5,664.5</u>	<u>5,851.6</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Exhibit 3.3.1 - Attachment 10
Comparison of Unnormalized Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	1,749.7	18.5	1,768.3	2,358.5	17.6	2,376.1	607.9
2	Rate 6	775.8	144.3	920.1	1,145.4	163.9	1,309.4	389.3
3	Rate 9	0.0	-	0.0	(0.0)	-	(0.0)	(0.0)
4	Total - EGD Rate Zone	<u>2,525.6</u>	<u>162.8</u>	<u>2,688.3</u>	<u>3,504.0</u>	<u>181.5</u>	<u>3,685.5</u>	<u>997.1</u>
5	Rate M1	853.1	18.3	871.4	1,232.6	20.1	1,252.8	381.4
6	Rate M2	109.2	35.0	144.2	180.3	42.9	223.2	79.0
7	Rate 01	364.3	12.8	377.1	487.1	14.4	501.5	124.5
8	Rate 10	40.9	20.0	60.9	58.5	22.7	81.3	20.4
9	Total - Union Rate Zone	<u>1,367.5</u>	<u>86.1</u>	<u>1,453.5</u>	<u>1,958.6</u>	<u>100.2</u>	<u>2,058.8</u>	<u>605.2</u>
10	Total General Service	<u>3,893.0</u>	<u>248.9</u>	<u>4,141.9</u>	<u>5,462.5</u>	<u>281.7</u>	<u>5,744.2</u>	<u>1,602.4</u>
<u>Contract</u>								
11	Rate 100	2.9	1.8	4.7	4.3	2.3	6.6	1.9
12	Rate 110	16.6	40.4	57.0	33.8	47.1	80.9	23.9
13	Rate 115	0.2	8.1	8.3	0.3	9.8	10.1	1.7
14	Rate 125	-	11.9	11.9	-	12.2	12.2	0.3
15	Rate 135	0.6	1.6	2.2	0.9	1.6	2.5	0.3
16	Rate 145	-	1.9	1.9	0.4	1.8	2.2	0.3

Exhibit 3.3.1 - Attachment 10
Comparison of Unnormalized Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	1.1	1.2	2.3	2.1	2.7	4.8	2.5
18	Rate 200	27.8	2.4	30.2	40.3	2.5	42.8	12.6
19	Rate 300	-	0.1	0.1	-	0.1	0.1	(0.0)
20	Rate 315	-	-	-	-	0.0	0.0	0.0
21	Total - EGD Rate Zone	49.2	69.4	118.6	82.1	80.2	162.3	43.6
22	Rate M4	12.0	28.8	40.8	21.2	30.5	51.7	10.8
23	Rate M7	6.7	21.2	27.9	13.7	24.5	38.2	10.3
24	Rate M9	3.0	1.0	4.0	5.4	1.3	6.7	2.7
25	Rate M10	0.1	-	0.1	0.1	-	0.1	0.0
26	Rate 20	2.9	30.6	33.5	4.2	33.8	38.0	4.5
27	Rate 100	-	11.5	11.5	-	11.9	11.9	0.4
28	Rate T1	-	13.9	13.9	-	14.3	14.3	0.4
29	Rate T2	-	76.1	76.1	-	82.1	82.1	6.1
30	Rate T3	-	7.2	7.2	-	7.5	7.5	0.3
31	Rate M5	0.8	2.3	3.1	0.7	2.5	3.2	0.1
32	Rate 25	15.6	3.1	18.8	21.2	3.7	24.9	6.1
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	41.1	195.7	236.8	66.5	212.0	278.6	41.8
35	Total Contract	90.3	265.1	355.4	148.6	292.2	440.8	85.4
36	Subtotal	3,983.3	514.0	4,497.3	5,611.2	573.9	6,185.1	1,687.8

Exhibit 3.3.1 - Attachment 10
Comparison of Unnormalized Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	2021			2022			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(18.0)			(29.9)	(11.9)
38	Elimination of Prior Year Tax Variance	EGI		-			-	-
39	Accounting Policy Change	EGI		(16.2)			(2.8)	13.4
40	Average Use/ Normalized Average Consumption	EGD (1)		15.4			6.9	(8.5)
41	Dawn Access Cost	EGD		2.0			1.2	(0.8)
42	Incremental Capital Module	EGD		0.2			(6.9)	(7.1)
43	Prior Year Earnings Sharing Adjustment	EGD		-			-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-			-	-
45	Transactional Services Revenue	EGD		12.0			12.0	0.0
46	LRAM	EGD		-			0.1	0.1
47	Federal Carbon Program	EGD		0.7			0.9	0.2
48	Greenhouse Gas Emissions Administration	EGD		0.1			0.1	(0.0)
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-

Exhibit 3.3.1 - Attachment 10
Comparison of Unnormalized Revenue - Service Type & Rate Class - 2021 Actual & 2022 Actual (Continued)

Line No.	Particulars (\$ millions)	<u>2021</u>			<u>2022</u>			2022 Actual Over/(Under) 2021 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
50	Elimination of 2019 Gas Supply Plan Cost							
	Consequences reversal	EGD		-			-	-
51	Average Use/ Normalized Average Consumption	Union (2)		19.0			8.8	(10.3)
52	Parkway Obligation Rate Variance	Union		-			-	-
53	Incremental Capital Module	Union		(14.0)			(2.0)	11.9
54	Capital Pass-through	Union		(4.4)			(2.9)	1.5
55	Union Parkway Obligation	Union		-			(0.1)	
56	LRAM	Union		0.7			0.8	0.1
57	Federal Carbon Program	Union		1.5			2.0	0.5
58	Elimination of the Union rate zones unregulated storage cost from EGD rate zone revenues	EGI		(17.2)			(17.4)	(0.2)
59	Miscellaneous	EGI		1.4			8.9	7.5
60	Total			<u>(16.7)</u>			<u>(20.5)</u>	<u>(3.8)</u>
61	Total Utility Revenue			<u>4,480.6</u>			<u>6,164.5</u>	<u>1,684.0</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

Exhibit 3.3.1 - Attachment 10
Comparison of Unnormalized Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year

Line No.	Particulars (\$ millions)	2022			2023			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
<u>General Service</u>								
1	Rate 1	2,358.5	17.6	2,376.1	2,193.3	19.1	2,212.3	(163.8)
2	Rate 6	1,145.4	163.9	1,309.4	1,043.3	163.3	1,206.6	(102.7)
3	Rate 9	(0.0)	-	(0.0)	-	-	-	0.0
4	Total - EGD Rate Zone	<u>3,504.0</u>	<u>181.5</u>	<u>3,685.5</u>	<u>3,236.6</u>	<u>182.4</u>	<u>3,418.9</u>	<u>(266.5)</u>
5	Rate M1	1,232.6	20.1	1,252.8	1,109.5	20.5	1,130.0	(122.8)
6	Rate M2	180.3	42.9	223.2	173.9	44.7	218.6	(4.6)
7	Rate 01	487.1	14.4	501.5	467.5	14.0	481.5	(20.0)
8	Rate 10	58.5	22.7	81.3	65.9	23.9	89.8	8.5
9	Total - Union Rate Zone	<u>1,958.6</u>	<u>100.2</u>	<u>2,058.8</u>	<u>1,816.8</u>	<u>103.1</u>	<u>1,919.9</u>	<u>(138.9)</u>
10	Total General Service	<u>5,462.5</u>	<u>281.7</u>	<u>5,744.2</u>	<u>5,053.4</u>	<u>285.4</u>	<u>5,338.8</u>	<u>(405.4)</u>
<u>Contract</u>								
11	Rate 100	4.3	2.3	6.6	4.3	1.4	5.7	(0.9)
12	Rate 110	33.8	47.1	80.9	26.4	41.9	68.3	(12.6)
13	Rate 115	0.3	9.8	10.1	0.4	9.1	9.6	(0.5)
14	Rate 125	-	12.2	12.2	-	12.5	12.5	0.3
15	Rate 135	0.9	1.6	2.5	1.2	1.3	2.5	(0.1)
16	Rate 145	0.4	1.8	2.2	0.2	1.6	1.8	(0.5)

Exhibit 3.3.1 - Attachment 10
Comparison of Unnormalized Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		Actual			Bridge Year			
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	<u>Sales</u>	<u>T-Service</u>	<u>Total</u>	
17	Rate 170	2.1	2.7	4.8	1.2	1.1	2.3	(2.6)
18	Rate 200	40.3	2.5	42.8	36.5	1.7	38.1	(4.7)
19	Rate 300	-	0.1	0.1	-	-	-	(0.1)
20	Rate 315	-	0.0	0.0	-	-	-	(0.0)
21	Total - EGD Rate Zone	<u>82.1</u>	<u>80.2</u>	<u>162.3</u>	<u>70.1</u>	<u>70.5</u>	<u>140.7</u>	<u>(21.6)</u>
22	Rate M4	21.2	30.5	51.7	16.7	31.1	47.8	(3.8)
23	Rate M7	13.7	24.5	38.2	10.5	25.6	36.1	(2.2)
24	Rate M9	5.4	1.3	6.7	3.9	1.3	5.2	(1.5)
25	Rate M10	0.1	-	0.1	0.1	-	0.1	(0.0)
26	Rate 20	4.2	33.8	38.0	4.9	34.7	39.6	1.6
27	Rate 100	-	11.9	11.9	-	11.4	11.4	(0.4)
28	Rate T1	-	14.3	14.3	-	14.4	14.4	0.1
29	Rate T2	-	82.1	82.1	-	79.3	79.3	(2.8)
30	Rate T3	-	7.5	7.5	-	7.8	7.8	0.3
31	Rate M5	0.7	2.5	3.2	0.7	2.5	3.2	(0.0)
32	Rate 25	21.2	3.7	24.9	2.0	4.1	6.0	(18.9)
33	Rate 30	-	-	-	-	-	-	-
34	Total - Union Rate Zone	<u>66.5</u>	<u>212.0</u>	<u>278.6</u>	<u>38.7</u>	<u>212.2</u>	<u>250.9</u>	<u>(27.7)</u>
35	Total Contract	<u>148.6</u>	<u>292.2</u>	<u>440.8</u>	<u>108.8</u>	<u>282.7</u>	<u>391.5</u>	<u>(49.3)</u>
36	Subtotal	<u>5,611.2</u>	<u>573.9</u>	<u>6,185.1</u>	<u>5,162.2</u>	<u>568.1</u>	<u>5,730.3</u>	<u>(454.7)</u>

Exhibit 3.3.1 - Attachment 10
Comparison of Unnormalized Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	2022			2023			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	Actual (b)	(c)	(d)	Bridge Year (e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
	<u>Accounting Adjustments</u>							
37	Tax Variance	EGI		(29.9)			(27.5)	2.4
38	Elimination of Prior Year Tax Variance	EGI		-			-	-
39	Accounting Policy Change	EGI		(2.8)			(33.4)	(30.6)
40	Average Use/ Normalized Average Consumption	EGD (1)		6.9			-	(6.9)
41	Dawn Access Cost	EGD		1.2			-	(1.2)
42	Incremental Capital Module	EGD		(6.9)			6.9	13.8
43	Prior Year Earnings Sharing Adjustment	EGD		-			-	-
44	Elimination of Prior Year Earnings Sharing Adjustment	EGD		-			-	-
45	Transactional Services Revenue	EGD		12.0			12.0	(0.0)
46	LRAM	EGD		0.1			-	(0.1)
47	Federal Carbon Program	EGD		0.9			-	(0.9)
48	Greenhouse Gas Emissions Administration	EGD		0.1			-	(0.1)
49	Reverse 2019 Gas Supply Plan Cost Consequences	EGD		-			-	-

Exhibit 3.3.1 - Attachment 10
Comparison of Unnormalized Revenue - Service Type & Rate Class - 2022 Actual & 2023 Bridge Year (Continued)

Line No.	Particulars (\$ millions)	<u>2022</u>			<u>2023</u>			2023 Bridge Over/(Under) 2022 Actual (g) = (f-c)
		(a)	(b)	(c)	(d)	(e)	(f)	
		<u>Utility</u>		<u>Total</u>			<u>Total</u>	
50	Elimination of 2019 Gas Supply Plan Cost							
	Consequences reversal	EGD		-			-	-
51	Average Use/ Normalized Average Consumption	Union (2)		8.8			(6.1)	(14.9)
52	Parkway Obligation Rate Variance	Union		-			-	-
53	Incremental Capital Module	Union		(2.0)			1.2	3.2
54	Capital Pass-through	Union		(2.9)			(2.9)	0.0
55	Union Parkway Obligation	Union		(0.1)				
56	LRAM	Union		0.8			0.4	(0.3)
57	Federal Carbon Program	Union		2.0			-	(2.0)
58	Elimination of the Union rate zones unregulated storage cost from EGD rate zone revenues	EGI		(17.4)			(16.4)	1.0
59	Miscellaneous	EGI		8.9			-	(8.9)
60	Total			<u>(20.5)</u>			<u>(65.8)</u>	<u>(45.3)</u>
61	Total Utility Revenue			<u>6,164.5</u>			<u>5,664.5</u>	<u>(500.0)</u>

Notes:

- (1) EGD rate zone.
- (2) Union rate zones.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 3, Schedule 1 Plus Attachments, Page 3, and Tables 1 and 3

Question(s):

- a) Please provide the 2022 updated values for volumes and revenues.
- b) Please provide the working papers for Table 1 General Service Volumes and Table 3 General Service Revenues, specifically for 2023 and 2024 forecasts.
- c) Please discuss why when General service volumes increase by 67,522103m³ revenues only increase by \$115.4 million.
- d) To confirm this please provide historical 2019-2022 revenues per unit volume \$/103m³.
- e) Please discuss any material differences.

Response:

- a) Please see response at Exhibit I.3.3-STAFF-95.
- b) The general service volumes are derived from the average use forecast provided at Exhibit 3, Tab 2, Schedule 5, and the customer additions and average number of customers forecast provided at Exhibit 3, Tab 2, Schedule 6. The combination of these two forecasts results in general service volumes, which are provided at Exhibit 3, Tab 2, Schedule 7. Please see Attachment 1 for the calculation of the 2023 Bridge Year revenue forecast for general service and the 2024 Test Year revenue forecast calculation is provided at Exhibit 8, Tab 2, Schedule 8, Attachment 2, columns (a) through (c).
- c) The \$115.4 million forecasted revenue increase is driven primarily by the forecasted incremental volumes and the addition of a commodity rate adjustment for Union South and Union North-East zones. There is no revenue change related to any adjustment to the distribution rates. The distribution rates used to forecast the 2024

Test Year revenues are the same as the rates applied to the 2023 Bridge Year. For additional detail, please see Exhibit 3, Tab 3, Schedule 1, pages 7-8.

d) Historical 2019 to 2022 total revenue per unit volume has been provided in Table 1.

Table 1
Unnormalized Revenue Per Unit Volume - General Service & Contract Market

Line No.	Particulars	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
		Actual (a)	Actual (b)	Actual (c)	Actual (d)
	<u>Revenue (\$ millions)</u>				
1	General Service	4,359.5	3,838.5	4,141.9	5,744.2
2	Contract	316.7	311.6	355.4	440.8
3	Total	4,676.2	4,150.1	4,497.3	6,185.1
	<u>Volumes (10³m³)</u>				
4	General Service	16,761,040	15,078,468	14,439,844	15,635,272
5	Contract	10,414,502	10,399,684	11,352,959	12,224,451
6	Total	27,175,542	25,478,152	25,792,803	27,859,723
	<u>Revenues Per Unit Volumes (\$/m³)</u>				
7	General Service	0.26	0.25	0.29	0.37
8	Contract	0.03	0.03	0.03	0.04
9	In-franchise Average	0.17	0.16	0.17	0.22

e) Enbridge Gas's average total revenue per unit volume was relatively consistent over 2019 to 2021 as noted in Table 1. The increase in 2022 is primarily attributed to higher natural gas commodity pricing.

Calculation of General Service 2023 Bridge Year Forecast Revenue

Line No.	Particulars	Billing Units	2023 Forecast Usage	Current Approved	
				Revenue (\$000s)	Rates (1) (cents/m ³)
			(a)	(b)	(c)
	EGD Rate Zone				
	<u>Rate 1</u>				
1	Monthly Customer Charge	bills	25,634,465	560,851	\$ 21.88
	Delivery Commodity Charge				
2	First 30 m ³	10 ³ m ³	734,630	77,680	10.6256
3	Next 55 m ³	10 ³ m ³	1,036,539	102,963	9.9456
4	Next 85 m ³	10 ³ m ³	1,107,161	104,162	9.4131
5	All over 170 m ³	10 ³ m ³	2,167,138	195,048	9.0162
6	Delivery Commodity Charge		5,045,468	479,854	9.5106
7	Load Balancing Charge		5,045,468	65,252	1.2933
	Gas Supply Transportation Charge				
8	Transportation - System	10 ³ m ³	4,949,972	194,373	3.9267
9	Transportation - Dawn	10 ³ m ³	78,507	761	0.9697
10	Transportation - Western	10 ³ m ³	16,858	662	3.9267
11	Transportation - Ontario	10 ³ m ³	131	-	-
12	Gas Supply Transportation Charge		5,045,468	195,796	3.8806
13	Gas Supply Commodity Charge	10 ³ m ³	4,949,972	909,681	18.3775
14	Community Expansion Surcharge			884	23.0000
15	Total Rate 1		5,045,468	2,212,317	43.8476

Calculation of General Service 2023 Bridge Year Forecast Revenue (continued)

Line No.	Particulars	Billing Units	2023 Forecast Usage	Current Approved	
				Revenue (\$000s)	Rates (1) (cents/m ³)
			(a)	(b)	(c)
	<u>Rate 6</u>				
16	Monthly Customer Charge	bills	2,060,823	157,809	\$ 76.58
	Delivery Commodity Charge				
17	First 500m ³	10 ³ m ³	579,046	57,371	10.0237
18	Next 1,050m ³	10 ³ m ³	657,942	50,191	7.6575
19	Next 4,500m ³	10 ³ m ³	1,172,442	70,360	6.0005
20	Next 7,000m ³	10 ³ m ³	771,473	38,072	4.9360
21	Next 15,250m ³	10 ³ m ³	740,266	32,866	4.4629
22	Over 28,300m ³	10 ³ m ³	965,944	41,551	4.3441
23	Delivery Commodity Charge		4,887,113	290,411	5.9424
24	Load Balancing Charge	10 ³ m ³	4,887,113	58,946	1.2062
	Gas Supply Transportation Charge				
25	Transportation - System	10 ³ m ³	3,026,407	118,839	3.9267
26	Transportation - Dawn	10 ³ m ³	1,629,976	15,806	0.9697
27	Transportation - Western	10 ³ m ³	182,370	7,161	3.9267
28	Transportation - Ontario	10 ³ m ³	48,360	0	0.0000
29	Gas Supply Transportation Charge		4,887,113	141,807	2.9016
30	Gas Supply Commodity Charge	10 ³ m ³	3,026,407	556,883	18.4008
31	Community Expansion Surcharge			770	23.0000
32	Total Rate 6		4,887,113	1,206,626	24.6900
33	Total EGD Rate Zone		9,932,581	3,418,943	34.4215

Calculation of General Service 2023 Bridge Year Forecast Revenue (continued)

Line No.	Particulars	Billing Units	2023 Forecast Usage	Current Approved	
				Revenue (\$000s)	Rates (1) (cents/m ³)
			(a)	(b)	(c)
	<u>Union Rate Zones</u>				
	<u>Rate M1</u>				
34	Monthly Customer Charge	bills	14,166,311	325,542	\$ 22.98
	Delivery Commodity Charge				
35	First 100 m ³	10 ³ m ³	1,010,208	66,011	6.5344
36	Next 150 m ³	10 ³ m ³	877,779	54,601	6.2203
37	All over 250 m ³	10 ³ m ³	1,175,182	63,563	5.4088
38	Delivery Commodity Charge		3,063,170	184,175	6.0126
39	Storage Commodity Charge	10 ³ m ³	3,063,170	27,645	0.9025
40	Gas Supply Commodity	10 ³ m ³	2,882,812	592,083	20.5384
41	Community Expansion Surcharge			557	23.0000
42	Total Rate M1		3,063,170	1,130,003	36.8900
	<u>Rate M2</u>				
43	Monthly Customer Charge	bills	95,438	7,309	\$ 76.58
	Delivery Commodity Charge				
44	First 1,000 m ³	10 ³ m ³	83,233	5,194	6.2404
45	Next 6,000 m ³	10 ³ m ³	364,260	22,332	6.1308
46	Next 13,000 m ³	10 ³ m ³	348,729	20,077	5.7571
47	All over 20,000 m ³	10 ³ m ⁴	456,941	24,525	5.3672
48	Delivery Commodity Charge		1,253,164	72,128	5.7557
49	Storage Commodity Charge	10 ³ m ³	1,253,164	10,666	0.8511
50	Gas Supply Commodity	10 ³ m ³	624,631	128,289	20.5384
51	Community Expansion Surcharge			210	23.0000
52	Total Rate M2		1,253,164	218,601	17.4439

Calculation of General Service 2023 Bridge Year Forecast Revenue (continued)

Line No.	Particulars	Billing Units	2023 Forecast Usage	Current Approved	
				Revenue (\$000s)	Rates (1) (cents/m ³)
			(a)	(b)	(c)
	<u>Rate 01</u>				
53	Monthly Customer Charge	bills	4,355,183	100,082	\$ 22.98
	Delivery Commodity Charge				
54	First 100 m ³	10 ³ m ³	322,632	35,944	11.1409
55	Next 200 m ³	10 ³ m ³	349,621	37,979	10.8629
56	Next 200 m ³	10 ³ m ³	130,105	13,560	10.4222
57	Next 500 m ³	10 ³ m ³	87,777	8,793	10.0179
58	Over 1,000 m ³	10 ³ m ³	122,802	11,892	9.6836
59	Delivery Commodity Charge		<u>1,012,937</u>	<u>108,168</u>	<u>10.6786</u>
	Storage Commodity Charge				
60	Transportation - North West	10 ³ m ³	285,032	6,502	2.2812
61	Transportation - North East	10 ³ m ³	727,905	45,565	6.2598
62	Storage Commodity Charge		<u>1,012,937</u>	<u>52,068</u>	<u>5.1403</u>
	Gas Supply Transportation Charge				
63	Transportation - North West	10 ³ m ³	285,032	12,799	4.4904
64	Transportation - North East	10 ³ m ³	727,905	16,724	2.2975
65	Gas Supply Transportation Charge		<u>1,012,937</u>	<u>29,523</u>	<u>2.9146</u>
	Gas Supply Commodity Charge				
66	Commodity - North West	10 ³ m ³	271,746	49,659	18.2741
67	Commodity - North East	10 ³ m ³	681,191	141,829	20.8208
68	Gas Supply Commodity Charge		<u>952,937</u>	<u>191,489</u>	<u>20.0946</u>
69	Community Expansion Surcharge			158	23.0000
70	Total Rate 01		<u>1,012,937</u>	<u>481,487</u>	<u>47.5338</u>

Calculation of General Service 2023 Bridge Year Forecast Revenue (continued)

Line No.	Particulars	Billing Units	2023 Forecast Usage	Current Approved	
				Revenue (\$000s)	Rates (1) (cents/m ³)
			(a)	(b)	(c)
	<u>Rate 10</u>				
71	Monthly Customer Charge	bills	26,186	2,005	\$ 76.58
	Delivery Commodity Charge				
72	First 1,000 m ³	10 ³ m ³	22,870	2,331	10.1913
73	Next 9,000 m ³	10 ³ m ³	132,394	11,013	8.3182
74	Next 20,000 m ³	10 ³ m ³	89,904	6,503	7.2328
75	Next 70,000 m ³	10 ³ m ³	65,364	4,282	6.5512
76	Over 100,000 m ³	10 ³ m ³	48,301	1,917	3.9687
77	Delivery Commodity Charge		<u>358,834</u>	<u>26,045</u>	<u>7.2583</u>
	Storage Commodity Charge				
78	Transportation - North West	10 ³ m ³	79,876	1,446	1.8104
79	Transportation - North East	10 ³ m ³	275,003	12,865	4.6780
80	Storage Commodity Charge		<u>354,879</u>	<u>14,311</u>	<u>4.0326</u>
	Gas Supply Transportation Charge				
81	Transportation - North West	10 ³ m ³	79,876	3,147	3.9399
82	Transportation - North East	10 ³ m ³	275,003	5,807	2.1115
83	Gas Supply Transportation Charge		<u>354,879</u>	<u>8,954</u>	<u>2.5230</u>
	Gas Supply Commodity Charge				
84	Commodity - North West	10 ³ m ³	43,357	7,923	18.2741
85	Commodity - North East	10 ³ m ³	146,619	30,527	20.8208
86	Gas Supply Commodity Charge		<u>189,976</u>	<u>38,450</u>	<u>20.2396</u>
87	Community Expansion Surcharge			-	23.0000
88	Total Rate 10		<u>358,834</u>	<u>89,765</u>	<u>25.0159</u>
89	Total Union Rate Zones		<u>5,688,104</u>	<u>1,919,856</u>	<u>33.7521</u>

Note:

(1) EB-2022-0133, Exhibit D, Tab 1, Appendix A for EGD rate zone, and Exhibit D, Tab 2, Appendix A for the Union rate zones.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 3, Schedule 1, Attachments 1 & 2

Question(s):

a) Please update Attachments 1 & 2 to show 2022 actual results.

Response:

a) Please see response at Exhibit I.3.3-STAFF-95, Attachment 1.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 4, Schedule 1

Preamble:

Pg. 4 of the Schedule states: *As of 2024, the Dawn Parkway System will no longer be considered upstream to any Enbridge Gas customers and therefore, the benefit of the use of the Dawn Parkway System to transact these exchange sales, will not be shared 90/10 in the proposed Upstream Transportation Optimization deferral account.*

Question(s):

If EGI uses these assets, alone or in combination with other EGI transmission assets, how will the margins be tracked?

a) Is it EGI's proposal to share these margins 90/10 in favour of ratepayers?

Response:

The revenue associated with using transportation assets, such as the Dawn Parkway System, has been included in revenue used for establishing rates and is not subject to sharing via a deferral account. However, any variances in transportation revenue are subject to the Earnings Sharing mechanism.

a) Any revenue associated with the use of an Upstream Transportation asset to facilitate an exchange continues to be subject to sharing via a deferral account (179-201) and is proposed to be shared 90/10 rate payer/shareholder. Any revenues associated with the Dawn Parkway portion of the exchange will be included in regulated revenues.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 4, Schedule 1

Preamble:

Pg. 7 of the schedule states: *If circumstances arise where upstream transportation assets are not fully required (i.e. temporarily surplus), then those assets can be made available to generate revenue through exchanges.*

Question(s):

Using the various Vector transportation contracts moving gas from the Chicago area (incl. Alliance & Northern Border) to Dawn that EGI held from at Nov. 1, 2021, for each month during the period of Nov. 1, 2021 to Oct. 31, 2022, please populate the following table:

PATH	Month	Contracted Capacity	Gas Delivered using Contracted Path	Amount Assigned to Third Party	Gas Delivered at Dawn by Assignee	Capacity Cost	Net Revenue from Assignee
		(TJ/day)	(TJ)	(% Cap)	(TJ)	(C\$)	(C\$)

Response:

Please see Attachment 1 for the requested information. Information about the utilization of Enbridge Gas's Vector capacity was filed in the 2023 Annual Gas Supply Update¹ and an excerpt from this evidence is included below to provide context for the data included in Attachment 1.

¹ EB-2023-0072, Appendix F.

EGI purchased gas supply in Chicago and used the Vector contracts to transport this gas to its franchise area. During winter months, EGI relies upon deliveries of this supply from the Vector pipeline at the Vector St. Clair interconnect to serve the design day demands of the local Sarnia market. On days where gas is not required to meet demands in the local market, it is transported to Dawn and either used to meet demand in other areas of EGI's system or injected into storage.

During periods where upstream supply deliveries to EGI's pipeline system were not required to meet local market demands upstream of Dawn, EGI released this upstream pipeline capacity when supply upstream of Dawn was priced higher than the cost of purchasing supply at Dawn. During these periods, EGI purchased supply at Dawn instead of the upstream supply location and released the associated transportation capacity to the secondary market to reduce gas costs for customers. The released value from these transactions was credited to the cost of transportation.

EGI also released and sold unutilized upstream transportation capacity on the secondary market to minimize UDC in the Union rate zone. The value generated from these transportation releases was credited to the UDC Variance Account, mitigating the overall UDC impact to ratepayers.

Finally, EGI released upstream transportation capacity for the purposes of optimizing its upstream transportation portfolio. These releases were completed using Asset Management Agreements (AMA) whereby EGI released upstream capacity to third parties and those parties agreed to exchange natural gas purchased at the upstream supply zone to the delivery location. The third party paid EGI for these AMAs, and the resulting revenue was credited to either the Upstream Transportation Optimization Account (for capacities contracted for the Union rate zones) or the Transactional Services Deferral Account (for capacities contracted for the EGD rate zone).

EGI required the AMA contract to include provisions to guarantee the same quality of service at the delivery point that is provided by the released upstream transportation capacity. Furthermore, since EGI released its firm upstream capacity to the third party, it had assurances that the third party owned firm capacity to facilitate the service. Finally, in the event of default by the third party, EGI had the right to recall the capacity so that it could be used to deliver supply to the delivery point.

The result was that EGI was able to obtain benefits from short-term market fluctuations, which were shared with ratepayers, while continuing to possess the same level of reliability afforded by owning long-term firm upstream transportation capacity. This activity aligns with the OEB direction when establishing the deferral accounts noted. In summary, these AMAs result in no impact to supply diversity and security of supply and reduced gas costs to EGI's ratepayers.

During the 2021 – 2022 gas year, EGI used its Vector pipeline capacity through each of the above-described activities, which resulted in gas costs for ratepayers being lower than they would otherwise have been.²

² EB-2023-0072, Appendix F, Page 5 of 6.

2021/2022 Vector Contract Utilization

Line No.	Path	Month	Contracted Capacity (TJ/d) (a)	Gas Delivered using Contracted Path (TJ) (b)	Amount Assigned to Third Party (TJ) (c)	Gas Delivered at Vector St. Clair by Assignee (TJ) (d)	Transportation Demand Cost (\$ millions) (e)	Net Revenue from Assignee (\$ millions) (f)
1	Chicago to Dawn	Nov-21	195	5,856	5,856	5,856	1.3	1.0
2	Chicago to Dawn	Dec-21	195	6,051	6,051	6,051	1.4	1.0
3	Chicago to Dawn	Jan-22	195	6,051	6,051	6,051	1.3	1.0
4	Chicago to Dawn	Feb-22	195	5,465	5,465	5,465	1.2	1.0
5	Chicago to Dawn	Mar-22	195	6,051	6,051	6,051	1.3	1.0
6	Chicago to Dawn	Apr-22	195	5,856	3,165	3,165	1.3	0.2
7	Chicago to Dawn	May-22	195	6,051	3,271	3,271	1.4	0.2
8	Chicago to Dawn	Jun-22	195	5,856	3,165	3,165	1.3	0.2
9	Chicago to Dawn	Jul-22	195	3,598	5,724	3,271	1.4	0.3
10	Chicago to Dawn	Aug-22	195	3,598	5,724	3,271	1.4	0.3
11	Chicago to Dawn	Sep-22	195	3,482	5,539	3,165	1.4	0.3
12	Chicago to Dawn	Oct-22	195	3,598	5,724	3,271	1.5	0.3
							16.1	6.8

Notes:

- (1) Net revenue from assignee includes 90% ratepayer portion of capacity releases for AMAs, 100% of capacity release revenues for UDC mitigation, and 100% of capacity release values for supply purchase relocations.
- (2) All capacity releases for AMAs require assignee to deliver gas at Vector St. Clair. Capacity releases for UDC mitigation and supply purchase relocations do not require any supply deliveries by assignee.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 4, Schedule 1

Preamble:

Pg. 7 of the schedule states: *If circumstances arise where upstream transportation assets are not fully required (i.e. temporarily surplus), then those assets can be made available to generate revenue through exchanges.*

Question(s):

Using the definition of “temporarily surplus” approved by the Board in EB-2013-0046, please describe how these respective contracts meet that definition.

Response:

For the purpose of this response, Enbridge Gas assumes that the reference to “these respective contracts” is to the Vector capacity to move gas from Chicago to Dawn held by Enbridge Gas on November 1, 2021, as was the subject of response at Exhibit I.3.4-FRPO-74.

In the OEB’s Decision in EGD’s 2012 Earnings Sharing and Deferral and Variance Account proceeding¹, the term “temporarily surplus” is defined as follows:

Temporarily Surplus Capacity: The transaction opportunity must relate to transportation or storage capacity that is temporarily surplus to meeting customer demand during the period when the transaction takes place.²

The Vector transportation contracts held by Enbridge Gas are fully utilized in the Gas Supply Plan (i.e. have a planned load factor of 100%). However, based on customer demand and market conditions at the time, there may be periods through the year where a portion of the contracted deliveries from Vector to Dawn are not required to

¹ EB-2013-0046, Decision and Order, February 6, 2014.

² Ibid, p.5.

meet customer demands or situations where a portion of the contracted path is not necessary to achieve the required firm deliveries of supply to Enbridge Gas's system. These situations create temporarily surplus capacity that Enbridge Gas may be able to optimize for the benefit of ratepayers. Any margins that Enbridge Gas earns through optimization of temporarily surplus capacity on its Vector transportation contracts are shared 90/10 in favour of ratepayers.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 4, Schedule 1

Preamble:

Pg. 7 of the schedule states: *If circumstances arise where upstream transportation assets are not fully required (i.e. temporarily surplus), then those assets can be made available to generate revenue through exchanges.*

Question(s):

In a separate table, please provide the paths that were either contracted new or extended by 2021 decisions of the Gas Supply department.

Response:

Please see Table 1.

Table 1
New or Extended Transportation Contracts Executed in 2021

Line No.	Pipeline	Path	Volume	Units	Rate Zone	New or Extended ¹
1	Centra Transmission Holdings Inc	Spruce to Sprague	149.6	10 ³ M ³	Union	Extended
2	Centra Pipelines Minnesota Inc.	Sprague to Baudette	5,281	mcf	Union	Extended
3	TCPL	Empress to Centrat MDA	4,522	GJ	Union	Extended
4	TCPL	Empress to Centrat MDA	1,043	GJ	Union	Extended
5	TCPL	Empress to Emerson II	21,418	GJ	Union	Extended
6	TCPL	Niagara Falls to Kirkwall	21,101	GJ	Union	Extended
7	TCPL	Union Dawn to Union EDCA	8,000	GJ	Union	Extended
8	TCPL	Empress to Union ECDA	3,000	GJ	Union	Extended
9	TCPL	Empress to Union EDA	1,089	GJ	Union	Extended
10	TCPL	Empress to Union NCDA	1,412	GJ	Union	Extended
11	TCPL	Empress to Union NDA	4,056	GJ	Union	Extended
12	TCPL	Empress to Union SSMDA	2,700	GJ	Union	Extended
13	TCPL	Empress to Union SSMDA	6,143	GJ	Union	Extended
14	TCPL	Empress to Union SSMDA	12,800	GJ	Union	Extended
15	TCPL	Empress to Union WDA	39,880	GJ	Union	Extended
16	TCPL	Empress to Union WDA	11,527	GJ	Union	Extended
17	TCPL	Empress to Union WDA	1,000	GJ	Union	New
18	Vector US	Chicago to St.Clair	20,000	GJ	EGD	New
19	Vector Canada	St.Clair to Dawn	21,101	DTH	EGD	New
20	Vector US	Chicago to St.Clair	20,000	GJ	Union	New
21	Vector Canada	St.Clair to Dawn	21,101	DTH	Union	New
22	Vector US	Chicago to St.Clair	80,000	GJ	Union	Extended
23	Vector Canada	St.Clair to Dawn	84,404	DTH	Union	Extended

¹ "Extended" refers to contract renewals, or extensions of the term of existing contracted transportation capacity.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 4, Schedule 1

Preamble:

Pg. 7 of the schedule states: *If circumstances arise where upstream transportation assets are not fully required (i.e. temporarily surplus), then those assets can be made available to generate revenue through exchanges.*

Question(s):

Please provide the landed cost study that underpinned the 2021 decisions to either enter into a new contract or extend an existing contract.

Response:

Please see response at Exhibit I.3.4-FRPO-76 for a list of new and extended transportation contracts executed by Enbridge Gas in 2021.

Enbridge Gas provided the landed cost analysis for the purchase of new and extended Vector Pipeline capacity in the 2022 Annual Gas Supply Plan Update.¹ These landed cost analyses are included as Attachments 1 and 2 to this response. As explained in the 2022 Annual Gas Supply Plan Update, long-haul TCPL capacity was the only available option to the WDA and therefore, no landed cost analysis was completed for this contracted capacity.

Enbridge Gas did not complete a landed cost analysis for the remaining contracts executed in 2021, as these consisted of contract extensions to pre-existing contracts that have one-year renewal provisions and do not require a landed cost analysis per the 2007 Cost of Service Settlement Agreement.²

¹ EB-2022-0072.

² EB-2005-0520, Decision with Reasons, Appendix B, p.1.

2021-2026 Transportation Contracting Analysis

Route (A)	Point of Supply (B)	Basis Differential \$US/mmBtu (C)	Supply Cost \$US/mmBtu (D) = Nymex + C	Unitized Demand Charge \$US/mmBtu (E)	Commodity Charge \$US/mmBtu (F)	Fuel Charge \$US/mmBtu (G)	100% LF Transportation Inclusive of Fuel \$US/mmBtu (I) = E + F + G	Landed Cost \$US/mmBtu (J) = D + I	Landed Cost \$Cdn/G (K)	Point of Delivery (L)	Comments
Dawn	Dawn	0.0971	3.1672				0.0000	\$3.17	\$3.80	Dawn	
TC: Dawn LTFP	Empress	-0.2935	2.7766	0.64	0.00	0.0971	0.7388	\$3.52	\$4.22	Union SWDA	
TC: Great Lakes to Dawn	Empress	-0.2935	2.7766	0.68	0.01	0.0971	0.7855	\$3.56	\$4.27	Dawn	
TC: Niagara to Dawn	Niagara	-0.0877	2.9824	0.19	0.00	0.0174	0.2060	\$3.19	\$3.83	Dawn	
MichCon: MichCon to Dawn	SE Michigan	0.0032	3.0734	0.16	0.00	0.0381	0.2025	\$3.28	\$3.93	Dawn	
Vector: Chicago to Dawn	Chicago	-0.0024	3.0677	0.16	0.00	0.0128	0.1743	\$3.24	\$3.89	Dawn	
Panhandle: Panhandle FZ to Dawn	Panhandle Field Zone	-0.2064	2.8637	0.75	0.06	0.1468	0.9572	\$3.82	\$4.58	Dawn	
NEXUS via St. Clair: Kensington to Dawn	Dominion South Point	-0.6382	2.4319	1.09	0.00	0.0758	1.1677	\$3.60	\$4.32	Dawn	
Rover: Rover SZ to Dawn	Dominion South Point	-0.6382	2.4319	0.98	0.05	0.0758	1.1053	\$3.54	\$4.24	Dawn	

Supply Assumptions used in Developing Transportation Contracting Analysis:

Annual Gas Supply & Fuel Ratio Forecasts	Point of Supply Col (B) above	Nov 2021 - Oct 2022	Nov 2022 - Oct 2023	Nov 2023 - Oct 2024	Nov 2024 - Oct 2025	Nov 2025 - Oct 2026	Average Annual Gas Supply Cost \$US/mmBtu Col (D) above	Fuel Ratio Forecasts Col (G) above
Henry Hub	Henry Hub	\$ 2.86	\$ 2.92	\$ 3.09	\$ 3.25	\$ 3.23	\$ 3.07	
Dawn	Dawn	\$ 2.94	\$ 3.02	\$ 3.15	\$ 3.36	\$ 3.37	\$ 3.17	
TC: Dawn LTFP	Empress	\$ 2.55	\$ 2.61	\$ 2.72	\$ 3.03	\$ 2.96	\$ 2.78	3.50%
TC: Great Lakes to Dawn	Empress	\$ 2.55	\$ 2.61	\$ 2.72	\$ 3.03	\$ 2.96	\$ 2.78	2.93%
TC: Niagara to Dawn	Niagara	\$ 2.79	\$ 2.88	\$ 2.98	\$ 3.14	\$ 3.12	\$ 2.98	0.58%
MichCon: MichCon to Dawn	SE Michigan	\$ 2.83	\$ 2.91	\$ 3.07	\$ 3.28	\$ 3.27	\$ 3.07	1.24%
Vector: Chicago to Dawn	Chicago	\$ 2.81	\$ 2.90	\$ 3.06	\$ 3.28	\$ 3.28	\$ 3.07	0.42%
Panhandle: Panhandle FZ to Dawn	Panhandle Field Zone	\$ 2.67	\$ 2.71	\$ 2.86	\$ 3.05	\$ 3.02	\$ 2.86	5.13%
NEXUS via St. Clair: Kensington to Dawn	Dominion South Point	\$ 2.35	\$ 2.45	\$ 2.49	\$ 2.51	\$ 2.36	\$ 2.43	3.12%
Rover: Rover SZ to Dawn	Dominion South Point	\$ 2.35	\$ 2.45	\$ 2.49	\$ 2.51	\$ 2.36	\$ 2.43	0.61%

Sources for Assumptions:

Gas Supply Prices (Col D): ICF Q1 2021 Base Case

Fuel Ratios (Col G): Average ratio over the previous 12 months or Pipeline Forecast

Transportation Tolls (Cols E & F): Tolls in effect on Alternative Routes at the time of Union's Analysis

Foreign Exchange (Col K): \$1 US = \$1.266 CDN From Bank of Canada Closing Rate March 8, 2021

Energy Conversions (Col K): 1 dth = 1 mmBtu = 1.055056

EGI's Analysis Completed: Mar-20

Paths included in analysis are those with comparable services available for contracting, as well as relevant benchmarks and currently contracted paths.

2022-2025 Transportation Contracting Analysis

Route (A)	Point of Supply (B)	Basis Differential \$/US/mmBtu (C)	Supply Cost \$/US/mmBtu (D) = Nymex + C	Unitized Demand Charge \$/US/mmBtu (E)	Commodity Charge \$/US/mmBtu (F)	Fuel Charge \$/US/mmBtu (G)	100% LF Transportation Inclusive of Fuel \$/US/mmBtu (I) = E + F + G	Landed Cost \$/US/mmBtu (J) = D + I	Landed Cost \$/Cdn/G (K)	Point of Delivery (L)	Comments
Dawn	Dawn	0.0912	3.1768				0.0000	\$3.18	\$3.81	Dawn	
TC: Dawn LTFP	Empress	-0.2974	2.7883	0.64	0.00	0.0975	0.7392	\$3.53	\$4.23	Union SWDA	
TC: Great Lakes to Dawn	Empress	-0.2974	2.7883	0.68	0.01	0.0975	0.7859	\$3.57	\$4.29	Dawn	
TC: Niagara to Dawn	Niagara	-0.0849	3.0008	0.19	0.00	0.0175	0.2061	\$3.21	\$3.85	Dawn	
MichCon: MichCon to Dawn	SE Michigan	0.0021	3.0878	0.16	0.00	0.0383	0.2027	\$3.29	\$3.95	Dawn	
Vector: Chicago to Dawn	Chicago	-0.0027	3.0829	0.16	0.00	0.0129	0.1744	\$3.26	\$3.91	Dawn	
Panhandle: Panhandle FZ to Dawn	Panhandle Field Zone	-0.2116	2.8741	0.75	0.06	0.1474	0.9578	\$3.83	\$4.60	Dawn	
NEXUS via St. Clair: Kensington to Dawn	Dominion South Point	-0.6014	2.4843	1.09	0.00	0.0775	1.1693	\$3.65	\$4.38	Dawn	
Rover: Rover SZ to Dawn	Dominion South Point	-0.6014	2.4843	0.98	0.05	0.0775	1.1070	\$3.59	\$4.31	Dawn	

Supply Assumptions used in Developing Transportation Contracting Analysis:

Annual Gas Supply & Fuel Ratio Forecasts	Point of Supply Col (B) above	Nov 2022 - Oct 2023	Nov 2023 - Oct 2024	Nov 2024 - Oct 2025	Average Annual Gas Supply Cost \$/US/mmBtu Col (D) above	Fuel Ratio Forecasts Col (G) above
Henry Hub	Henry Hub	\$ 2.92	\$ 3.09	\$ 3.25	\$ 3.09	
Dawn	Dawn	\$ 3.02	\$ 3.15	\$ 3.36	\$ 3.18	
TC: Dawn LTFP	Empress	\$ 2.61	\$ 2.72	\$ 3.03	\$ 2.79	3.50%
TC: Great Lakes to Dawn	Empress	\$ 2.61	\$ 2.72	\$ 3.03	\$ 2.79	2.93%
TC: Niagara to Dawn	Niagara	\$ 2.88	\$ 2.98	\$ 3.14	\$ 3.00	0.58%
MichCon: MichCon to Dawn	SE Michigan	\$ 2.91	\$ 3.07	\$ 3.28	\$ 3.09	1.24%
Vector: Chicago to Dawn	Chicago	\$ 2.90	\$ 3.06	\$ 3.28	\$ 3.08	0.42%
Panhandle: Panhandle FZ to Dawn	Panhandle Field Zone	\$ 2.71	\$ 2.86	\$ 3.05	\$ 2.87	5.13%
NEXUS via St. Clair: Kensington to Dawn	Dominion South Point	\$ 2.45	\$ 2.49	\$ 2.51	\$ 2.48	3.12%
Rover: Rover SZ to Dawn	Dominion South Point	\$ 2.45	\$ 2.49	\$ 2.51	\$ 2.48	0.61%

Sources for Assumptions:

Gas Supply Prices (Col D): ICF Q1 2021 Base Case

Fuel Ratios (Col G): Average ratio over the previous 12 months or Pipeline Forecast

Transportation Tolls (Cols E & F): Tolls in effect on Alternative Routes at the time of Union's Analysis

Foreign Exchange (Col K) \$1 US = \$1.266 CDN From Bank of Canada Closing Rate March 8, 2021

Energy Conversions (Col K) 1 dth = 1 mmBtu = 1.055056

EGI's Analysis Completed: Mar-20

Paths included in analysis are those with comparable services available for contracting, as well as relevant benchmarks and currently contracted paths.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 4, Schedule 1

Preamble:

Pg. 7 of the schedule states: *If circumstances arise where upstream transportation assets are not fully required (i.e. temporarily surplus), then those assets can be made available to generate revenue through exchanges.*

Question(s):

Please provide the forward market prices for basis differential of each Chicago and Dawn for the one year terms starting Nov. 1st of each year for the 5 years starting Nov. 1/21.

Response:

Please see Table 1.

Table 1
Dawn and Chicago Basis Settlement Prices

<u>Line No.</u>	<u>Term</u>	<u>Dawn Basis (US\$/mmbtu)</u>	<u>Chicago Basis (US\$/mmbtu)</u>	<u>Basis Settlement Date</u>
1	Nov 2021 - Oct 2022	(0.151)	0.063	Oct 29, 2021
2	Nov 2022 - Oct 2023	(0.153)	0.002	Oct 31, 2022
3	Nov 2023 - Oct 2024	(0.160)	0.067	Feb 10, 2023
4	Nov 2024 - Oct 2025	(0.164)	0.057	Feb 10, 2023
5	Nov 2025 - Oct 2026	(0.148)	0.065	Feb 10, 2023

Source: Kiodex

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 4, Sch. 1, Attachment 2

Question(s):

- a) Please updated pages 3 and 4 of Attachment 2 to reflect actual data for 2022.
- b) For each line item in the table on page 5, please indicate if there is a variance account associated with the revenue forecast. If so, please indicate the proposed sharing of any amounts that accumulate in the variance account(s).

Response:

- a) Exhibit 3, Tab 4, Schedule 1, Attachment 2, pages 3-4 have been updated for 2022 actuals. This information is provided at Attachment 1.
- b) Line 14 "Gross Exchange Revenue" is associated with the proposed harmonized Upstream Transportation Optimization Variance Account 179-201. A description of this variance account and the proposed sharing treatment is provided at Exhibit 9, Tab 1, Schedule 1, Attachment 3, page 5.

All other items set out at page 5 do not have a variance account associated with the revenue forecast.

Comparison of Utility Revenue from Regulated Storage & Transportation - 2021 Actual & 2022 Actual

Line No.	Particulars (\$ millions)	2021	2022	2022 Estimate Over/(Under) 2021 Actual
		Actual (a)	Actual (b)	(c) = (b-a)
<u>Regulated Storage Services</u>				
1	C1 Off-Peak Storage	433	138	(295)
2	Supplemental Balancing Services	640	1,053	412
3	Gas Loans	1	(1)	(2)
4	C1 Short Term Firm Peak Storage	1,536	2,108	572
5	Short Term Storage and Balancing Services Deferral	3,577	3,732	155
6	Rate 325: Transmission, Compression, & Storage	2,169	2,303	134
7	Less: Elimination of charges between EGD and Union rate zones	(2,226)	(2,344)	(118)
8	Total	6,130	6,988	858
<u>Regulated Transportation Services</u>				
9	M12 Transportation	206,637	213,050	6,413
10	M12-X Transportation	21,527	20,769	(758)
11	C1 Long Term Transportation	19,934	21,023	1,089
12	Rate 332: Gas Transmission	18,107	18,313	207
13	C1 Short Term Transportation	7,226	8,365	1,139
14	Gross Exchange Revenue	1,729	1,127	(601)
15	Rate 331: Gas Transmission	165	170	4
16	Rate 401: RNG Injection Service	0	111	111
17	M13 Local Production	157	173	15
18	M16 Transportation	926	986	60
19	M17 Transportation	545	511	(34)
20	S&T:Transportation Carbon Facility Collection	2,692	4,196	1,504
21	Other S&T Revenue	1,440	1,407	(33)
22	Less: Elimination of charges between EGD and Union rate zones	(138,489)	(144,576)	(6,086)
23	Total	142,597	145,627	3,030
24	Total Revenue Regulated Storage & Transportation	148,728	152,615	3,887

Comparison of Utility Revenue from Regulated Storage & Transportation - 2022 Actual & 2023 Bridge Year

Line No.	Particulars (\$ millions)	<u>2022</u>	<u>2023</u>	2023 Bridge Over/(Under) 2022 Estimate
		Actual (a)	Bridge Year (b)	(c) = (b-a)
<u>Regulated Storage Services</u>				
1	C1 Off-Peak Storage	138	717	580
2	Supplemental Balancing Services	1,053	756	(296)
3	Gas Loans	(1)	0	1
4	C1 Short Term Firm Peak Storage	2,108	1,678	(429)
5	Short Term Storage and Balancing Services Deferral	3,732	2,834	(898)
6	Rate 325: Transmission, Compression, & Storage	2,303	2,090	(213)
	Less: Elimination of charges between EGD and			
7	Union rate zones	(2,344)	(2,090)	253
8	Total	<u>6,988</u>	<u>5,986</u>	<u>(1,002)</u>
<u>Regulated Transportation Services</u>				
9	M12 Transportation	213,050	220,669	7,619
10	M12-X Transportation	20,769	14,808	(5,960)
11	C1 Long Term Transportation	21,023	19,007	(2,016)
12	Rate 332: Gas Transmission	18,313	19,179	866
13	C1 Short Term Transportation	8,365	7,180	(1,186)
14	Gross Exchange Revenue	1,127	0	(1,127)
15	Rate 331: Gas Transmission	170	169	(1)
16	Rate 401: RNG Injection Service	111	889	778
17	M13 Local Production	173	627	454
18	M16 Transportation	986	743	(244)
19	M17 Transportation	511	529	18
20	S&T:Transportation Carbon Facility Collection	4,196	0	(4,196)
21	Other S&T Revenue	1,407	1,546	138
	Less: Elimination of charges between EGD and			
22	Union rate zones	(144,576)	(145,771)	(1,196)
23	Total	<u>145,627</u>	<u>139,574</u>	<u>(6,052)</u>
24	Total Revenue Regulated Storage & Transportation	<u>152,615</u>	<u>145,560</u>	<u>(7,055)</u>

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 4, Schedule 1, Attachment 1

Question(s):

a) Please explain the elimination of the "Ratepayer Portion of Exchange Revenue (Union) after 2018 (line 18 Attachment 1, page 2 of 3).

Response:

The elimination of the "Ratepayer Portion of Exchange Revenue" is a result of changes to the presentation of utility income after amalgamation in 2019. The presentation changes do not impact how final Utility income results are derived for earning sharing purposes.

Attachment 1 provides a continuity of how line items were presented prior to and after 2019 with respect to the reporting of exchange revenue. There are two changes in presentation:

1. Reporting exchange revenue on a gross basis (rather than a net of costs basis); and
2. Reporting the elimination of the 10% shareholder benefit from net optimization activity at the line-item level rather than as an adjustment to the distribution revenue deficiency/sufficiency.

1. Gross vs Net Reporting

Prior to 2019, total exchange revenues and costs were reported on a net basis (where costs were netted against applicable revenue) for the purposes of corporate reporting. The net exchange revenue was reported as part of transportation revenue within utility income schedules.

Beginning in 2019, exchange revenues and costs were reported on a gross basis for the purposes of corporate reporting. This meant that gross exchange revenue was reported as part of transportation revenue while gross exchange costs were reported as part of gas costs within utility income schedules.

The 90% net ratepayer portion reclassification to the Upstream Transportation Optimization deferral account continues to be reported within transportation revenue in the utility income schedules. Within the transportation revenue schedule, it is reported as part of the gross exchange revenue line, rather than as a separate line item.

2. Elimination 10% Shareholder Benefit at the line-item level vs. Total Utility Income

In 2019, Enbridge Gas adopted the EGD approach for reporting the Union utility income adjustment for the elimination of the 10% shareholder benefit, which was to record the elimination at the line-item level, rather than as a bottom-line adjustment to total revenue deficiency/(sufficiency). As a result, the 10% shareholder benefit is recorded as an adjustment to transportation revenue, which is facilitated by removing it from the results of the supporting schedules.

Optimization Services Presentation

Line No.	Particulars (\$000s)	<u>2018</u> Actual	<u>2019</u> Actual
<u>Presentation Up to 2018:</u>			
1	Gross Exchange Revenue	10,065	8,278
2	Less: Gross Exchange Cost	<u>(2,769)</u>	<u>(2,279)</u> (1)
3	Net Exchange Revenue (line 1 + line 2)	7,296	5,999 (2)
4	Less: 90% Net Ratepayer Portion (line 3 x 90%)	<u>(6,567)</u>	<u>(5,399)</u> (3)
5	10% Shareholder Portion (line 3 + line 4)	730	600 (4)
6	Deficiency/(Sufficiency) Adjustment	<u>(730)</u>	<u>(600)</u> (5)
7	Utility Income Impact (line 5 + line 6)	-	-
<u>Presentation after 2018:</u>			
8	Gross Exchange Revenue	10,065	8,278
9	Less: 90% Net Ratepayer Portion (line 8 + line 11 x 90%)	<u>(6,567)</u>	<u>(5,399)</u> (3)
10	Exchange Revenue prior to Utility Adjustment (line 8 + line 9)	3,498	2,879
11	Less: Gross Exchange Costs	<u>(2,769)</u>	<u>(2,279)</u> (1)
12	10% Shareholder Portion (line 10 + line 11)	730	600 (4)
13	Utility Income Adjustment	<u>(730)</u>	<u>(600)</u>
14	Utility Income Impact (line 12 + line 13)	-	-
15	Utility Exchange Revenue (line 10 + line 13)	2,769	2,279 (6)

Notes:

- (1) Exhibit 4, Tab 2, Schedule 1, Attachment 1, page 2, line 29.
- (2) Exhibit 3, Tab 4, Schedule 1, Attachment 3, page 2, line 7.
- (3) Ibid, line 9.
- (4) Ibid, line 10.
- (5) Exhibit 1, Tab 8, Schedule 1, Attachment 4, page 1, Adjustment (2).
- (6) Exhibit 3, Tab 4, Schedule 1, Attachment 1, page 3, line 14.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 5, Schedule 1, Attachment 1, pp. 3-4

Question(s):

Enbridge Gas has provided comparisons of Other Revenues for the historic and forecast years.

Please provide the relevant revised tables that show 2022 actuals.

Response:

Exhibit 3, Tab 5, Schedule 1, Attachment 1, pages 3 to 4 have been updated for 2022 actuals and is provided at Attachment 1.

Exhibit 3, Tab 5, Schedule 1, Table 1 and Table 2, pages 3 to 5 have been updated and are provided at Table 1 and Table 2.

Table 1
Utility Other Revenue & Other Income

Line No	Particulars (\$ millions)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
<u>Other Revenue</u>								
1	Late Payment Penalties	EGL	19.4	20.8	19.9	20.9	25.3	26.9
2	Account Opening Charges	EGL	12.4	9.8	11.1	9.8	13.6	13.9
3	Other Billing Revenue (1)	EGL	4.1	3.0	3.2	9.7	10.2	11.0
4	Customer Billing Revenue		36.0	33.6	34.1	40.4	49.1	51.8
Direct Purchase Administration Charges and Distributor								
5	Consolidated Billing	EGL	2.5	2.4	2.3	2.3	2.2	5.4
6	Open Bill Access Revenue (2)	EGL	5.4	5.4	5.4	5.4	5.4	-
7	Mid Market Transactions	EGL	1.4	1.1	1.2	1.4	1.2	1.2
8	Rental Revenue - NGV Program	EGL	1.6	1.8	1.8	1.6	1.9	1.9
9	Other Operating Revenue	EGL	2.8	3.4	4.2	2.6	1.7	1.7
10	Total		49.6	47.7	49.1	53.6	61.4	61.9
<u>Other Income</u>								
11	Other Income (3)	EGL	(1.8)	4.5	0.9	(2.1)	1.8	2.4
12	Total Other Revenue & Other Income		47.8	52.2	50.0	51.5	63.2	64.3

Notes:

- (1) There was an accounting presentation change implemented in 2022 for both street service alteration revenues for Union, and plant damage recoveries for EGL to be presented as other revenue instead of an O&M recovery.
- (2) Enbridge Gas plans to wind down the OBA program effective October 31, 2024. All OBA net revenues for the 2024 Test Year will be captured in a deferral account and credited to ratepayers.
- (3) Other Income includes gains/losses on FX, gains/losses on sales of assets, and sales-type lease income related to the NGV program.

Table 2
Other Revenue Account Opening Charges

Line No.	Particulars (\$ millions)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Actual (d)	Bridge Year (e)	Test Year (f)
1	New Account (1)	EGI	9.9	9.7	10.8	9.4	11.0	9.4
2	Meter Unlocks (2)	EGI	2.6	0.1	0.2	0.4	2.6	4.5
3	Total Account Opening Charges		12.4	9.8	11.1	9.8	13.6	13.9

Notes:

- (1) New account charges include charges for customer moves, and new premises.
- (2) Meter unlocks is specifically for meter unlocks related to disconnections for non-payment. Seasonal meter unlocks are a part of other billing revenue.

Comparison of Other Revenue & Other Income - 2021 Actual & 2022 Actual

Line No	Particulars (\$ millions)	<u>2021</u>	<u>2022</u>	2022 Actual Over/(Under) 2021 Actual
		Actual (a)	Actual (b)	(c) = (b-a)
<u>Other Revenue</u>				
1	Late Payment Penalties	19.9	20.9	1.0
2	Account Opening Charges	11.1	9.8	(1.2)
3	Other Billing Revenue	3.2	9.7	6.5
4	Customer Billing Revenue	34.1	40.4	6.3
Direct Purchase Administration Charges and				
5	Distributor Consolidated Billing	2.3	2.3	(0.1)
6	Open Bill Access Revenue	5.4	5.4	0.0
7	Mid Market Transactions	1.2	1.4	0.2
8	Rental Revenue - NGV Program	1.8	1.6	(0.2)
9	Other Operating Revenue	4.2	2.6	(1.7)
10	Total	49.1	53.6	4.5
<u>Other Income</u>				
11	Other Income	0.9	(2.1)	(3.0)
12	Total Other Revenue & Other Income	50.0	51.5	1.6

Comparison of Other Revenue & Other Income - 2022 Actual & 2023 Bridge Year

Line No	Particulars (\$ millions)	<u>2022</u>	<u>2023</u>	2023 Bridge Over/(Under) 2022 Actual
		Actual (a)	Bridge Year (b)	(c) = (b-a)
<u>Other Revenue</u>				
1	Late Payment Penalties	20.9	25.3	4.4
2	Account Opening Charges	9.8	13.6	3.8
3	Other Billing Revenue	9.7	10.2	0.4
4	Customer Billing Revenue	40.4	49.1	8.6
Direct Purchase Administration Charges and				
5	Distributor Consolidated Billing	2.3	2.2	(0.1)
6	Open Bill Access Revenue	5.4	5.4	0.0
7	Mid Market Transactions	1.4	1.2	(0.2)
8	Rental Revenue - NGV Program	1.6	1.9	0.3
9	Other Operating Revenue	2.6	1.7	(0.9)
10	Total	53.6	61.4	7.8
<u>Other Income</u>				
11	Other Income	(2.1)	1.8	3.9
12	Total Other Revenue & Other Income	51.5	63.2	11.7

ENBRIDGE GAS INC.

Answer to Interrogatory from
Energy Probe Research Foundation (EP)

Interrogatory

Reference:

Exhibit 3, Tab 5, Schedule 1 Plus Attachments, Page 2, and Table 1

Question(s):

- a) What is EGI doing to address the big increase (28.6%) in other revenue from \$50 to \$64.3 million from 2021-2024?
- b) Please provide an explanation why a revenue forecast increase results in a material increase in late payment charges?
- c) Does this mean that LPCs will increase in all years? Why was this not the case in historic years? Please discuss.

Response:

- a) Enbridge Gas's increase in other revenue from 2021 to 2024 is impacted by a change in presentation between operating expenses and other revenue as provided at Exhibit 3, Tab 5, Schedule 1, page 7, paragraph 18. This resulted in an approximate \$8 million increase from 2021 to 2024 in the other billing revenue. The other main driver for the increase in other revenue is related to late payment charges, which is described further in part b).
- b) Arrears increase when rates and/or sales and resulting revenues increase. Late payment charges are a percentage of arrear balances.
- c) Late payment charges can increase or decrease based on arrears and collections activities. During COVID-19, Enbridge Gas limited collections activity and offered extended payment arrangements to those in arrears, which resulted in lower late payment charges.

ENBRIDGE GAS INC.

Answer to Interrogatory from
London Property Management Association (LPMA)

Interrogatory

Reference:

Exhibit 3, Tab 5, Sch. 1

Question(s):

- a) Please update Table 1 to reflect actual data for 2022.
- b) EGI has proposed to record all Open Bill Access Revenue in a deferral account. What is EGI's forecast 2024 revenue for the 10 months it will remain in place for 2024? Why has EGI proposed deferral account treatment for this revenue rather than using a forecast of the revenue generated in 2024, accompanied by a variance account to capture the difference the actual and forecasted revenue?
- c) Please updates pages 3 and 4 of Attachment 1 to reflect actual data for 2022.

Response:

- a) Please see response at Exhibit I.3.5-STAFF-96, Table 1.
- b) Open Bill Extension Deferral Account has been proposed to record net revenue for 10 months of 2024 which is forecasted to be approximately \$2.6 million. This net revenue was not built into the 2024 Test Year Forecast used to set base rates for the 2025 to 2028 IR term, since no revenue will be generated past October 2024.
- c) Please see response at Exhibit I.3.5-STAFF-96, Attachment 1.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 5, Schedule 1, Table 1

Question(s):

a) Please update Table 1 (Other Revenues) to show 2022 actual results.

Response:

a) Please see response at Exhibit I.3.5-STAFF-96, Table 1.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 5, Schedule 1, Table 2/ Tab 2, Schedule 6 Attachment 1

Question(s):

Table 2
Other Revenue Account Opening Charges

Line No.	Particulars (\$ millions)	Utility	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
			Actual (a)	Actual (b)	Actual (c)	Estimate (d)	Bridge Year (e)	Test Year (f)
1	New Account (1)	EGI	9.9	9.7	10.8	12.5	11.0	9.4
2	Meter Unlocks (2)	EGI	2.6	0.1	0.2	2.6	2.6	4.5
3	Total Account Opening Charges		<u>12.4</u>	<u>9.8</u>	<u>11.1</u>	<u>15.1</u>	<u>13.6</u>	<u>13.9</u>

- a) Please provide a table showing the number of customers moves for the years 2019 through 2024 (forecast).
- b) Total Customer Additions (New Construction and Replacements) increased from 42,482 to 42,642 as between 2021 and 2022 (estimate), or 160. The increase in new account revenue in that same period was \$1.7 million. Assuming the number of customer moves is relatively stable year on year what explains this relatively large dollar increase in 2022?
- c) Please update Table 2 to show actual 2022 results.

Response:

a) Please see Table 1.

Table 1
Total Customer Moves

Line No.	Year	No. of Moves
1	2019	335,946
2	2020	331,599
3	2021	371,352
4	2022	323,438
5	2023 (forecast)	376,879
6	2024 (forecast)	376,648

Table 1 volumes are inclusive of customer additions (new construction and replacements).

b) The 2022 Estimate for new account revenue was inadvertently overstated. The overstatement did not impact the 2024 Test Year Forecast. The 2022 Actuals are \$9.4 million, as updated in the response at Exhibit I.3.5-STAFF-96, Table 2, line 1. The decrease in new account revenue from 2021 to 2022 of \$1.4 million is due to a decrease in moves between 2021 and 2022.

c) Please see response at Exhibit I.3.5-STAFF-96, Table 2.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 5, Schedule 1, Table 1

Question(s):

a) Has EGI undertaken a cost-benefit analysis of the NGV program in the last 5 years?

Response:

a) Enbridge Gas performs an annual rate of return calculation on the NGV Program to track the financial performance of the program. Exhibit 1, Tab 14, Schedule 2, Attachment 1 summarizes the returns achieved by the program from 2013 to 2021 and the estimated returns from 2022 to 2024.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Vulnerable Energy Consumers Coalition (VECC)

Interrogatory

Reference:

Exhibit 3, Tab 5, Schedule 1, Table 1

Question(s):

- a) What was the 2022 cost of operating the Open Bill Access Program?
- b) Please provide the Open Bill Revenue Variance Account (“OBRVA”) year-end balance for the years 2018 through 2023.

Response:

- a) The 2022 cost of operating the Open Bill Access Program was \$16 million.
- b) The Open Bill Revenue Variance Account had a year-end balance of zero for 2018 to 2023.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit 3, Tab 6, Schedule 1, pp. 1-7

Question(s):

In its application, Enbridge Gas proposed harmonization of its heat value methodology. For the Annual Heat Value (AHV) calculation, Enbridge Gas has proposed to move from three to two AHVs called the Enbridge Gas North heat value and Enbridge Gas South heat value.

- a) In Figure 1 on page 7, Enbridge Gas has provided a graphical representation of the heating values of the Enbridge Central Delivery Area, Enbridge Eastern Delivery Area (EEDA) and Union rate zones (North & South) over the 2016 to 2021 period. Please explain the increase in heating value from 2016 to 2021 for the EEDA and Union North rate zone.
- b) What is the impact of Enbridge Gas's proposal regarding harmonization of annual heating values on 2024 rates?

Response:

- a) The increase in heating value from 2016 to 2021 is 1.34% for the Enbridge EDA and 1.41% for the Union North rate zone. This increase in heating value can be attributed to the physical operation of the TransCanada system which, for example, may serve the Union North rate zone and Enbridge EDA from Empress, Dawn, Parkway or other receipt and delivery locations. Each of these connections to the TransCanada system have their own heating value characteristics.
- b) There is no impact on rates regarding the proposal to harmonize the annual heat value. Variances between the annual heat value used to derive base rates and the actual heat value is accounted for in gas supply variance accounts and disposed of to customers. Please see response at Exhibit I.3.6-FRPO-80 part d).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 6, Schedule 1

Preamble:

We would like to understand the impact of EGI's Heat Value proposals.

EGI evidence on pg. 6-7 state: *The AHV alternatives reviewed focused on two evaluation criteria: 1) simplify/harmonize and 2) minimize impact to system users and customers. To further assist with the evaluation, six years of historical annual heat values (2016 to 2021) were reviewed to understand the historical heat value changes and relationships between the EGD (ECDA and EEDA), Union North, and Union South rate zones.*

Question(s):

For the purposes of AHV, please clarify all of the uses of the AHV figures (e.g., converting volumetric forecasts for Direct Purchase DCQ, converting forecast system gas volumetric data into gas supply forecasts for the plan, etc.).

Response:

The AHV is used to convert volumes (10^3m^3) to energy (GJ) for forecasting, planning and ratemaking purposes. The list below provides the primary uses of the AHV.

- Setting forecasts for:
 - Daily contract quantities (bundled direct purchase, semi-unbundled);
 - Volumes (bundled, semi-unbundled, unbundled);
 - Gas supply planning;
 - Transmission planning; and
 - Storage planning.
- Setting the gas supply commodity price;
- Converting QRAM reference prices; and

- Recording accounting adjustments relating to the gas cost associated with consumption and UFG.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 6, Schedule 1

Preamble:

We would like to understand the impact of EGI's Heat Value proposals.

EGI evidence on pg. 6-7 state: *The AHV alternatives reviewed focused on two evaluation criteria: 1) simplify/harmonize and 2) minimize impact to system users and customers. To further assist with the evaluation, six years of historical annual heat values (2016 to 2021) were reviewed to understand the historical heat value changes and relationships between the EGD (ECDA and EEDA), Union North, and Union South rate zones.*

Question(s):

Please file the review study that evaluated the alternatives.

- a) In Excel format, please file the monthly data from the respective locations that the data was drawn from.
 - i. Please also include data for 2022.
 - ii. If a map showing the locations is not in the study, please provide a map locating the heat value measurement points.
 - iii. If the data did not include the monthly Heat Values of the TCPL system for the following locations, please include in the Excel file:
 - 1) Spruce
 - 2) EGD EDA
 - 3) EGD CDA
 - 4) UNION CDA
 - 5) UNION EDA (please confirm precisely where measured)
 - 6) Kirkwall (please confirm precisely where measured)
- b) In tabular form, please provide a summary of the range of differences in heat value in comparing the Union North values that been used by Union Rate Zone over the 2016-2022 period.

- c) If not included in the study, please present in a table the summary results that considered seasonal effects of varying monthly heat values across the measurement points.
- d) Please file EGI's most recent reconciliation of heat value done for the purposes of ensuring appropriate recovery of gas costs,
- e) Please provide EGI's views on the efficacy of a quarterly adjusted heat value at the time of QRAM.
 - i. Please provide data in support of those views.
- f) Please provide EGI's views on the efficacy of quarterly or annual heat value reconciliations for these quarterly figures for the purposes of recovering the difference between forecast and actual.

Response:

The analysis of the alternatives was included in the evidence and tables provided at Exhibit 3, Tab 6, Schedule 1, pages 6 to 8. The analysis is based on annual measured receipts and deliveries as provided at Exhibit 3 Tab 6, Schedule 1, Attachment 1.

- a) Please see Attachment 1 for the Excel, for the monthly heat values underpinning these annual numbers.
 - i. The 2022 heat values have been included by month at Attachment 1.
 - ii. Please see Figure 1. Figure 1 includes locations where Enbridge Gas receives heat value information from other pipelines or from Enbridge Gas's own equipment. The Dawn number of 45 includes 35 storage measurement locations.

Figure 1: Heat Value Measurement Locations Used



iii. Please see Attachment 2 for the Excel, for the heat values at the additional locations of Spruce, Union CDA, and Kirkwall heat values.

- b) Please see Attachment 3 for a summary of the range of differences in heat value comparing the Union North values used over the 2016 to 2022 period.
- c) The seasonality in heat values was not studied for the annual heat value calculation. When determining the annual heat values, Enbridge Gas used the annual measured receipts and deliveries in GJ and 10^3m^3 which considers the monthly measured volumes and energy. It was assessed using the cumulative annual numbers which considers the seasonality.
- d) On a monthly basis, the gas cost relating to system sales throughput volume is calculated based on the approved heat value. In the following month, when the actual heat values are available, the difference between the actual and approved heat value is recorded in the purchase gas variance account (PGVA) by applying the heat value difference to the system sales throughput volumes multiplied by the

approved reference price. Please see Table 1 which provides a calculation of the gas cost impact associated with system gas throughput for the difference between the actual and approved heat value for the month of December 2022 for the Union South rate zone.

Table 1
December 2022 Heat Value Adjustment - Union South Rate Zone

Line No.	Particulars		
1	Approved Heat Value (GJ/10 ³ m ³)	(a)	39.120
2	Actual Heat Value (GJ/10 ³ m ³)	(b)	39.314
3	Heat Value Difference (GJ/10 ³ m ³)	(c)=(a)-(b)	0.194
4	Union South December 2022 System Gas Throughput (10 ³ m ³)	(d)	509,899.5
5	Heat Value Adjustment (GJ)	(e)=(d)*(c)	98,920.5
6	Approved Oct 2022 Reference Price (\$/GJ)	(f)	6.653
7	Gas Cost Impact (\$) (1)	(g)=(e)*(f)	658,118

Note:

(1) The gas cost impact would be recorded as a debit to Union South PGVA

A similar adjustment is also recorded for unaccounted for gas (UFG) costs. On a monthly basis, the UFG volume is calculated based on the approved heat value. In the following month, when the actual heat values are available, the difference between the actual and approved heat value is recorded in the UFG deferral accounts by applying the heat value difference to the UFG volumes. Please see Table 2 which provides a calculation of the gas cost related impact relating to UFG for the difference between the actual heat value and the approved heat value for the month of December 2022 for the Union rate zones.

Table 2
December 2022 UFG Heat Value Adjustment - Union Rate Zones

Line No.	Particulars		
1	Approved Heat Value (GJ/10 ³ m ³)	(a)	39.120
2	Actual Heat Value (GJ/10 ³ m ³)	(b)	39.314
3	Heat Value Difference (GJ/10 ³ m ³)	(c)=(a)-(b)	<u>0.194</u>
4	Union South December 2022 UFG Volume (10 ³ m ³)	(d)	39,732
5	Heat Value Adjustment (GJ)	(e)=(d)*(c)	7,708.0
6	Approved Oct 2022 Reference Price (\$/GJ)	(f)	6.653
7	Gas Cost Impact (\$) (1)	(g)=(e)*(f)	51,281

Note:

(1) The gas cost impact would be recorded as a debit (receivable) to UFG Volume Deferral Account

e,f) A quarterly adjusted heat value is not efficient when setting the annual heat value (AHV). The AHV aligns with the annual planning and forecasting processes.

From a gas cost perspective, gas cost related heat value variances, as described in part d) are captured in the relevant deferral and variance accounts, irrespective of the frequency of adjusting the forecast heat value.

The monthly heat value (MHV) process, used for billing purposes, will capture differences in balancing and storage activity between the direct purchase customers' daily contracted quantity (utilizing AHV) and their daily consumption (utilizing MHV).

Monthly Heat Values for ECDA, EEDA and Union South for 2016

Line No.	Particulars	ECDA HV (a)	EEDA HV (b)	Union South (c)
1	January 2016	38.85	38.66	39.12
2	February 2016	38.81	38.65	39.11
3	March 2016	38.67	38.46	39.04
4	April 2016	38.71	38.49	38.96
5	May 2016	38.28	38.13	38.62
6	June 2016	38.26	38.15	38.75
7	July 2016	38.07	37.91	38.76
8	August 2016	38.10	37.91	39.17
9	September 2016	37.94	38.05	38.69
10	October 2016	38.13	37.93	38.66
11	November 2016	38.62	38.27	38.98
12	December 2016	38.90	38.58	39.06

Monthly Heat Values for ECDA, EEDA and Union South for 2017

Line No.	Particulars	ECDA HV (a)	EEDA HV (b)	Union South (c)
1	January 2017	38.94	38.68	39.06
2	February 2017	38.84	38.74	39.00
3	March 2017	38.82	38.67	39.02
4	April 2017	38.69	38.47	38.93
5	May 2017	38.56	38.36	38.79
6	June 2017	38.22	38.20	38.64
7	July 2017	38.27	38.03	38.80
8	August 2017	38.34	38.11	38.72
9	September 2017	38.29	38.07	38.78
10	October 2017	38.45	38.28	38.74
11	November 2017	38.70	38.53	38.87
12	December 2017	38.79	38.66	38.90

Monthly Heat Values for ECDA, EEDA and Union South for 2018

Line No.	Particulars	ECDA HV (a)	EEDA HV (b)	Union South (c)
1	January 2018	38.81	38.72	38.87
2	February 2018	38.73	38.67	38.85
3	March 2018	38.82	38.73	38.88
4	April 2018	38.77	38.67	38.88
5	May 2018	38.32	38.26	38.66
6	June 2018	38.41	38.42	38.89
7	July 2018	38.44	38.41	38.87
8	August 2018	38.39	38.27	38.84
9	September 2018	38.32	38.24	38.90
10	October 2018	38.65	38.42	39.27
11	November 2018	38.84	38.49	39.36
12	December 2018	39.08	38.73	39.21

Monthly Heat Values for ECDA, EEDA and Union South for 2019

Line No.	Particulars	ECDA HV (a)	EEDA HV (b)	Union South (c)
1	January 2019	39.17	38.85	39.23
2	February 2019	39.11	38.79	39.24
3	March 2019	39.08	38.69	39.35
4	April 2019	38.95	38.61	39.27
5	May 2019	38.62	38.36	39.07
6	June 2019	38.44	38.47	38.77
7	July 2019	38.53	38.43	39.07
8	August 2019	38.48	38.37	39.14
9	September 2019	38.45	38.48	39.09
10	October 2019	38.66	38.37	39.47
11	November 2019	39.39	38.92	39.60
12	December 2019	39.41	39.11	39.57

Monthly Heat Values for ECDA, EEDA and Union South for 2020

Line No.	Particulars	ECDA HV (a)	EEDA HV (b)	Union South (c)
1	January 2020	39.37	38.99	39.54
2	February 2020	39.34	39.04	39.46
3	March 2020	39.34	38.91	39.57
4	April 2020	39.12	38.78	39.43
5	May 2020	38.77	38.54	39.08
6	June 2020	38.42	38.43	38.94
7	July 2020	38.47	38.36	39.14
8	August 2020	38.46	38.57	38.99
9	September 2020	38.53	38.68	38.99
10	October 2020	38.86	38.48	39.40
11	November 2020	39.08	38.65	39.30
12	December 2020	39.23	38.97	39.31

Monthly Heat Values for ECDA, EEDA and Union South for 2021

Line No.	Particulars	ECDA HV (a)	EEDA HV (b)	Union South (c)
1	January 2021	39.21	38.97	39.31
2	February 2021	39.22	39.00	39.33
3	March 2021	39.13	38.87	39.25
4	April 2021	38.86	38.67	39.20
5	May 2021	38.59	38.61	38.98
6	June 2021	38.52	38.58	39.00
7	July 2021	38.42	38.47	38.82
8	August 2021	38.52	38.64	38.97
9	September 2021	38.62	39.01	38.92
10	October 2021	38.64	38.95	39.01
11	November 2021	39.07	38.89	39.18
12	December 2021	39.24	39.40	39.30

Monthly Heat Values for ECDA, EEDA and Union South for 2022

Line No.	Particulars	ECDA HV (a)	EEDA HV (b)	Union South (c)
1	January 2022	39.18	39.02	39.27
2	February 2022	39.14	39.03	39.25
3	March 2022	39.13	38.88	39.26
4	April 2022	38.95	38.84	39.13
5	May 2022	38.62	38.93	38.86
6	June 2022	38.54	38.68	38.72
7	July 2022	38.58	38.63	38.89
8	August 2022	38.77	38.74	38.88
9	September 2022	38.73	38.90	38.82
10	October 2022	38.77	38.67	39.03
11	November 2022	38.97	38.78	39.10
12	December 2022	39.09	39.02	39.24

Monthly Heat Values for Union North by Delivery Area for 2016

Line No.	Particulars	EDA (a)	MDA (b)	NCDA (c)	NDA (d)	SSMDA (e)	WDA (f)
1	January 2016	38.82	38.24	38.86	38.26	38.24	38.23
2	February 2016	38.78	38.42	38.82	38.40	38.39	38.37
3	March 2016	38.54	38.33	38.59	38.37	38.35	38.35
4	April 2016	38.64	38.13	38.67	38.17	38.15	38.16
5	May 2016	38.20	38.09	38.26	38.13	38.10	38.11
6	June 2016	38.14	38.17	38.15	38.24	38.25	38.28
7	July 2016	37.93	37.77	37.96	37.78	37.78	37.78
8	August 2016	37.92	37.85	37.97	37.85	37.85	37.85
9	September 2016	37.85	37.82	37.86	37.82	37.83	37.82
10	October 2016	38.06	37.93	38.07	37.93	37.94	37.95
11	November 2016	38.45	37.92	38.48	37.95	37.93	37.92
12	December 2016	38.79	37.90	38.83	37.93	37.89	37.91

Monthly Heat Values for Union North by Delivery Area for 2017

Line No.	Particulars	EDA (a)	MDA (b)	NCDA (c)	NDA (d)	SSMDA (e)	WDA (f)
1	January 2017	38.84	37.92	38.89	37.96	37.90	37.91
2	February 2017	38.82	38.06	38.86	38.10	38.49	38.06
3	March 2017	38.76	37.98	38.82	38.04	38.71	38.03
4	April 2017	38.66	37.99	38.73	37.99	37.95	37.94
5	May 2017	38.55	38.20	38.63	38.19	38.16	38.16
6	June 2017	38.19	38.04	38.21	38.09	38.13	38.08
7	July 2017	38.12	37.99	38.14	38.01	37.99	37.98
8	August 2017	38.26	38.01	38.27	38.01	38.03	38.01
9	September 2017	38.17	38.05	38.19	38.06	38.06	38.06
10	October 2017	38.35	38.28	38.37	38.23	38.18	38.22
11	November 2017	38.65	38.40	38.65	38.41	38.41	38.39
12	December 2017	38.75	38.18	38.78	38.20	38.19	38.18

Monthly Heat Values for Union North by Delivery Area for 2018

Line No.	Particulars	EDA (a)	MDA (b)	NCDA (c)	NDA (d)	SSMDA (e)	WDA (f)
1	January 2018	38.78	38.31	38.81	38.33	38.29	38.30
2	February 2018	38.72	38.39	38.75	38.40	38.35	38.37
3	March 2018	38.77	38.42	38.79	38.45	38.45	38.43
4	April 2018	38.73	38.29	38.76	38.34	38.32	38.30
5	May 2018	38.29	38.20	38.33	38.22	38.21	38.20
6	June 2018	38.43	38.51	38.41	38.50	38.50	38.50
7	July 2018	38.44	38.36	38.44	38.38	38.37	38.36
8	August 2018	38.38	38.24	38.38	38.24	38.16	38.22
9	September 2018	38.39	38.03	38.35	38.08	38.10	38.07
10	October 2018	38.38	38.40	38.37	38.35	38.34	38.36
11	November 2018	38.26	38.19	38.22	38.16	38.43	38.20
12	December 2018	38.82	38.20	38.78	38.21	38.28	38.18

Monthly Heat Values for Union North by Delivery Area for 2019

Line No.	Particulars	EDA (a)	MDA (b)	NCDA (c)	NDA (d)	SSMDA (e)	WDA (f)
1	January 2019	39.17	38.32	39.24	38.39	38.51	38.35
2	February 2019	39.13	38.22	39.19	38.26	38.70	38.23
3	March 2019	39.06	38.25	39.13	38.29	38.54	38.24
4	April 2019	38.94	38.38	38.87	38.44	38.36	38.35
5	May 2019	38.40	38.29	38.55	38.36	38.33	38.35
6	June 2019	38.47	38.50	38.47	38.48	38.50	38.48
7	July 2019	38.42	38.41	38.44	38.42	38.42	38.42
8	August 2019	38.36	38.38	38.37	38.36	38.37	38.36
9	September 2019	38.46	38.50	38.48	38.50	38.51	38.49
10	October 2019	38.39	38.38	38.42	38.38	38.38	38.39
11	November 2019	39.18	38.52	39.22	38.54	38.67	38.50
12	December 2019	39.37	38.66	39.53	38.66	38.69	38.66

Monthly Heat Values for Union North by Delivery Area for 2020

Line No.	Particulars	EDA (a)	MDA (b)	NCDA (c)	NDA (d)	SSMDA (e)	WDA (f)
1	January 2020	39.36	38.45	39.48	38.51	38.91	38.46
2	February 2020	39.36	38.66	39.41	38.69	38.71	38.65
3	March 2020	39.28	38.57	39.40	38.61	38.62	38.57
4	April 2020	38.81	38.68	39.12	38.72	38.70	38.70
5	May 2020	38.52	38.54	38.66	38.55	38.55	38.54
6	June 2020	38.47	38.38	38.46	38.39	38.40	38.41
7	July 2020	38.35	38.46	38.29	38.52	38.43	38.47
8	August 2020	38.56	38.61	38.53	38.57	38.60	38.60
9	September 2020	38.68	38.72	38.67	38.69	38.70	38.68
10	October 2020	38.51	38.36	38.84	38.37	38.40	38.34
11	November 2020	38.80	38.48	39.04	38.49	38.45	38.47
12	December 2020	39.23	38.66	39.26	38.69	38.66	38.66

Monthly Heat Values for Union North by Delivery Area for 2021

Line No.	Particulars	EDA (a)	MDA (b)	NCDA (c)	NDA (d)	SSMDA (e)	WDA (f)
1	January 2021	39.25	38.62	39.28	38.65	38.59	38.62
2	February 2021	39.28	38.57	39.30	38.62	38.77	38.58
3	March 2021	39.12	38.53	39.23	38.54	38.53	38.51
4	April 2021	38.89	38.65	38.92	38.66	38.62	38.63
5	May 2021	38.60	38.53	38.68	38.58	38.57	38.57
6	June 2021	38.57	38.59	38.58	38.58	38.57	38.58
7	July 2021	38.49	38.45	38.46	38.47	38.46	38.46
8	August 2021	38.62	38.75	38.55	38.71	38.71	38.72
9	September 2021	38.98	39.08	38.96	39.19	39.07	39.06
10	October 2021	39.15	38.89	38.92	38.90	38.91	38.94
11	November 2021	39.01	38.81	39.03	38.82	38.77	38.79
12	December 2021	39.22	38.84	39.23	38.89	38.91	38.87

Monthly Heat Values for Union North by Delivery Area for 2022

Line No.	Particulars	EDA (a)	MDA (b)	NCDA (c)	NDA (d)	SSMDA (e)	WDA (f)
1	January 2022	39.22	38.75	39.25	38.76	38.83	38.74
2	February 2022	39.20	38.79	39.21	38.84	38.84	38.81
3	March 2022	39.03	38.67	39.22	38.70	38.68	38.66
4	April 2022	39.00	38.80	38.99	38.80	38.79	38.79
5	May 2022	38.89	38.88	38.92	38.90	38.90	38.90
6	June 2022	38.69	38.66	38.68	38.65	38.65	38.65
7	July 2022	38.62	38.60	38.63	38.61	38.62	38.62
8	August 2022	38.74	38.76	38.75	38.72	38.75	38.73
9	September 2022	38.88	38.96	38.87	38.94	38.95	38.94
10	October 2022	38.69	38.61	38.70	38.62	38.63	38.62
11	November 2022	38.83	38.69	38.89	38.69	38.72	38.68
12	December 2022	39.13	38.84	39.14	38.90	38.90	38.85

Monthly Heat Values for Spruce, Union CDA and Kirkwall for 2016

Line No.	Particulars	Spruce (a)	Union CDA (b)	Kirkwall (c)
1	January 2016	38.23		38.39
2	February 2016	38.42		38.42
3	March 2016	38.32		38.39
4	April 2016	38.12		38.39
5	May 2016	38.08		38.38
6	June 2016	38.20		38.38
7	July 2016	37.77		38.38
8	August 2016	37.85		38.38
9	September 2016	37.82		38.38
10	October 2016	37.94		38.39
11	November 2016	37.93	38.47	38.39
12	December 2016	37.90	38.76	38.39

* Union CDA data only available beginning Nov 2016

Monthly Heat Values for Spruce, Union CDA and Kirkwall for 2017

Line No.	Particulars	Spruce (a)	Union CDA (b)	Kirkwall (c)
1	January 2017	37.92	38.42	38.38
2	February 2017	38.06	38.37	38.39
3	March 2017	37.97	38.37	38.38
4	April 2017	37.98	38.37	38.39
5	May 2017	38.21	38.36	38.38
6	June 2017	38.05	38.35	38.37
7	July 2017	37.99	38.37	38.38
8	August 2017	38.01	38.39	38.38
9	September 2017	38.05	38.42	38.38
10	October 2017	38.28	38.39	38.39
11	November 2017	38.40	38.40	38.37
12	December 2017	38.17	38.39	38.41

Monthly Heat Values for Spruce, Union CDA and Kirkwall for 2018

Line No.	Particulars	Spruce (a)	Union CDA (b)	Kirkwall (c)
1	January 2018	38.31	38.34	38.58
2	February 2018	38.39	38.36	38.37
3	March 2018	38.42	38.43	38.36
4	April 2018	38.29	38.45	38.39
5	May 2018	38.20	38.37	38.36
6	June 2018	38.50	38.36	38.35
7	July 2018	38.36	38.40	38.38
8	August 2018	38.23	38.43	38.41
9	September 2018	38.06	38.38	38.39
10	October 2018	38.40	38.44	38.45
11	November 2018	38.19	38.41	38.42
12	December 2018	38.20	38.37	38.39

Monthly Heat Values for Spruce, Union CDA and Kirkwall for 2019

Line No.	Particulars	Spruce (a)	Union CDA (b)	Kirkwall (c)
1	January 2019	38.33	38.39	38.56
2	February 2019	38.22	38.38	38.42
3	March 2019	38.27	38.36	38.37
4	April 2019	38.39	38.35	38.36
5	May 2019	38.29	38.35	38.35
6	June 2019	38.51	38.34	38.34
7	July 2019	38.41	38.44	38.36
8	August 2019	38.37	38.48	38.37
9	September 2019	38.49	38.47	38.37
10	October 2019	38.38	38.48	38.40
11	November 2019	38.52	38.40	38.43
12	December 2019	38.66	38.40	38.41

Monthly Heat Values for Spruce, Union CDA and Kirkwall for 2020

Line No.	Particulars	Spruce (a)	Union CDA (b)	Kirkwall (c)
1	January 2020	38.47	38.41	38.42
2	February 2020	38.66	38.42	38.43
3	March 2020	38.58	38.37	38.38
4	April 2020	38.67	38.41	38.41
5	May 2020	38.55	38.36	38.37
6	June 2020	38.37	38.34	38.35
7	July 2020	38.46	38.35	38.38
8	August 2020	38.61	38.38	38.37
9	September 2020	38.72	38.35	38.36
10	October 2020	38.39	38.50	38.37
11	November 2020	38.48	38.38	38.38
12	December 2020	38.66	38.34	38.35

Monthly Heat Values for Spruce, Union CDA and Kirkwall for 2021

Line No.	Particulars	Spruce (a)	Union CDA (b)	Kirkwall (c)
1	January 2021	38.62	38.33	38.35
2	February 2021	38.58	38.35	38.36
3	March 2021	38.53	38.32	38.33
4	April 2021	38.64	38.34	38.34
5	May 2021	38.53	38.34	38.34
6	June 2021	38.58	38.35	38.35
7	July 2021	38.46	38.34	38.34
8	August 2021	38.75	38.35	38.36
9	September 2021	39.08	38.35	38.36
10	October 2021	38.93	38.36	38.38
11	November 2021	38.81	38.37	38.37
12	December 2021	38.85	38.41	38.41

Monthly Heat Values for Spruce, Union CDA and Kirkwall for 2022

Line No.	Particulars	Spruce (a)	Union CDA (b)	Kirkwall (c)
1	January 2022	38.75	38.45	38.44
2	February 2022	38.79	38.42	38.41
3	March 2022	38.67	38.40	38.41
4	April 2022	38.80	38.36	38.37
5	May 2022	38.86	38.36	38.36
6	June 2022	38.66	38.36	38.36
7	July 2022	38.61	38.37	38.33
8	August 2022	38.72	38.37	38.35
9	September 2022	38.97	38.48	38.36
10	October 2022	38.62	38.39	38.38
11	November 2022	38.69	38.37	38.36
12	December 2022	38.86	38.34	38.37

Summary of the Range of Differences in Heat Value for Union North 2016

Line No.	Particulars	Max HV from North Zones	Min HV from North Zones	% Difference between Min & Max	North Annual Heat Value Used
		(a)	(b)	(c)	(d)
1	January 2016	38.86	38.23	1.6%	37.97
2	February 2016	38.82	38.37	1.2%	37.97
3	March 2016	38.59	38.33	0.7%	37.97
4	April 2016	38.67	38.13	1.4%	38.26
5	May 2016	38.26	38.09	0.4%	38.26
6	June 2016	38.28	38.14	0.4%	38.26
7	July 2016	37.96	37.77	0.5%	38.26
8	August 2016	37.97	37.85	0.3%	38.26
9	September 2016	37.86	37.82	0.1%	38.26
10	October 2016	38.07	37.93	0.4%	38.26
11	November 2016	38.48	37.92	1.5%	38.26
12	December 2016	38.83	37.89	2.4%	38.26

Summary of the Range of Differences in Heat Value for Union North 2017

Line No.	Particulars	Max HV from North Zones	Min HV from North Zones	% Difference between Min & Max	North Annual Heat Value Used
		(a)	(b)	(c)	(d)
1	January 2017	38.89	37.90	2.5%	38.26
2	February 2017	38.86	38.06	2.1%	38.26
3	March 2017	38.82	37.98	2.2%	38.26
4	April 2017	38.73	37.94	2.0%	38.21
5	May 2017	38.63	38.16	1.2%	38.21
6	June 2017	38.21	38.04	0.4%	38.21
7	July 2017	38.14	37.98	0.4%	38.21
8	August 2017	38.27	38.01	0.7%	38.21
9	September 2017	38.19	38.05	0.4%	38.21
10	October 2017	38.37	38.18	0.5%	38.21
11	November 2017	38.65	38.39	0.7%	38.21
12	December 2017	38.78	38.18	1.5%	38.21

Summary of the Range of Differences in Heat Value for Union North 2018

Line No.	Particulars	Max HV from North Zones	Min HV from North Zones	% Difference between Min & Max	North Annual Heat Value Used
		(a)	(b)	(c)	(d)
1	January 2018	38.81	38.29	1.3%	38.21
2	February 2018	38.75	38.35	1.0%	38.21
3	March 2018	38.79	38.42	0.9%	38.21
4	April 2018	38.76	38.29	1.2%	38.28
5	May 2018	38.33	38.20	0.3%	38.28
6	June 2018	38.51	38.41	0.3%	38.28
7	July 2018	38.44	38.36	0.2%	38.28
8	August 2018	38.38	38.16	0.6%	38.28
9	September 2018	38.39	38.03	0.9%	38.28
10	October 2018	38.40	38.34	0.2%	38.28
11	November 2018	38.43	38.16	0.7%	38.28
12	December 2018	38.82	38.18	1.6%	38.28

Summary of the Range of Differences in Heat Value for Union North 2019

Line No.	Particulars	Max HV from North Zones	Min HV from North Zones	% Difference between Min & Max	North Annual Heat Value Used
I like		(a)	(b)	(c)	(d)
1	January 2019	39.24	38.32	2.3%	38.28
2	February 2019	39.19	38.22	2.5%	38.28
3	March 2019	39.13	38.24	2.3%	38.28
4	April 2019	38.94	38.35	1.5%	38.40
5	May 2019	38.55	38.29	0.7%	38.40
6	June 2019	38.50	38.47	0.1%	38.40
7	July 2019	38.44	38.41	0.1%	38.40
8	August 2019	38.38	38.36	0.0%	38.40
9	September 2019	38.51	38.46	0.1%	38.40
10	October 2019	38.42	38.38	0.1%	38.40
11	November 2019	39.22	38.50	1.8%	38.40
12	December 2019	39.53	38.66	2.2%	38.40

Summary of the Range of Differences in Heat Value for Union North 2020

Line No.	Particulars	Max HV from North Zones	Min HV from North Zones	% Difference between Min & Max	North Annual Heat Value Used
		(a)	(b)	(c)	(d)
1	January 2020	39.48	38.45	2.6%	38.40
2	February 2020	39.41	38.65	1.9%	38.40
3	March 2020	39.40	38.57	2.1%	38.40
4	April 2020	39.12	38.68	1.1%	38.71
5	May 2020	38.66	38.52	0.4%	38.71
6	June 2020	38.47	38.38	0.2%	38.71
7	July 2020	38.52	38.29	0.6%	38.71
8	August 2020	38.61	38.53	0.2%	38.71
9	September 2020	38.72	38.67	0.1%	38.71
10	October 2020	38.84	38.34	1.3%	38.71
11	November 2020	39.04	38.45	1.5%	38.71
12	December 2020	39.26	38.66	1.5%	38.71

Summary of the Range of Differences in Heat Value for Union North 2021

Line No.	Particulars	Max HV from North Zones	Min HV from North Zones	% Difference between Min & Max	North Annual Heat Value Used
		(a)	(b)	(c)	(d)
1	January 2021	39.28	38.59	1.7%	38.71
2	February 2021	39.30	38.57	1.9%	38.71
3	March 2021	39.23	38.51	1.8%	38.71
4	April 2021	38.92	38.62	0.8%	38.81
5	May 2021	38.68	38.53	0.4%	38.81
6	June 2021	38.59	38.57	0.0%	38.81
7	July 2021	38.49	38.45	0.1%	38.81
8	August 2021	38.75	38.55	0.5%	38.81
9	September 2021	39.19	38.96	0.6%	38.81
10	October 2021	39.15	38.89	0.7%	38.81
11	November 2021	39.03	38.77	0.7%	38.81
12	December 2021	39.23	38.84	1.0%	38.81

Summary of the Range of Differences in Heat Value for Union North 2022

Line No.	Particulars	Max HV from North Zones	Min HV from North Zones	% Difference between Min & Max	North Annual Heat Value Used
		(a)	(b)	(c)	(d)
1	January 2019	39.25	38.74	1.3%	38.81
2	February 2019	39.21	38.79	1.1%	38.81
3	March 2019	39.22	38.66	1.4%	38.81
4	April 2019	39.00	38.79	0.5%	38.80
5	May 2019	38.92	38.88	0.1%	38.80
6	June 2019	38.69	38.65	0.1%	38.80
7	July 2019	38.63	38.60	0.1%	38.80
8	August 2019	38.76	38.72	0.1%	38.80
9	September 2019	38.96	38.87	0.2%	38.80
10	October 2019	38.70	38.61	0.2%	38.80
11	November 2019	38.89	38.68	0.5%	38.80
12	December 2019	39.14	38.84	0.8%	38.80

ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental-housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Ex. 3, Tab 6, Schedule 1

Preamble:

EGI evidence on pg. 10 states: *For existing Union South T-Service and Rate M7 customers, Enbridge Gas proposes to eliminate third-party energy sampling and install three chromatographs in required locations to work in alignment with existing live daily gas chromatograph data. The Union South T-Service and Rate M7 customers will be mapped to a live chromatograph, or blend of live chromatographs to calculate the MHV. This heat value proposal simplifies the process for the customer and Enbridge Gas, eliminating the reliance on a third-party process, the two-month data lag, and the annual reconciliation process, as well as maintaining required data integrity.*

Question(s):

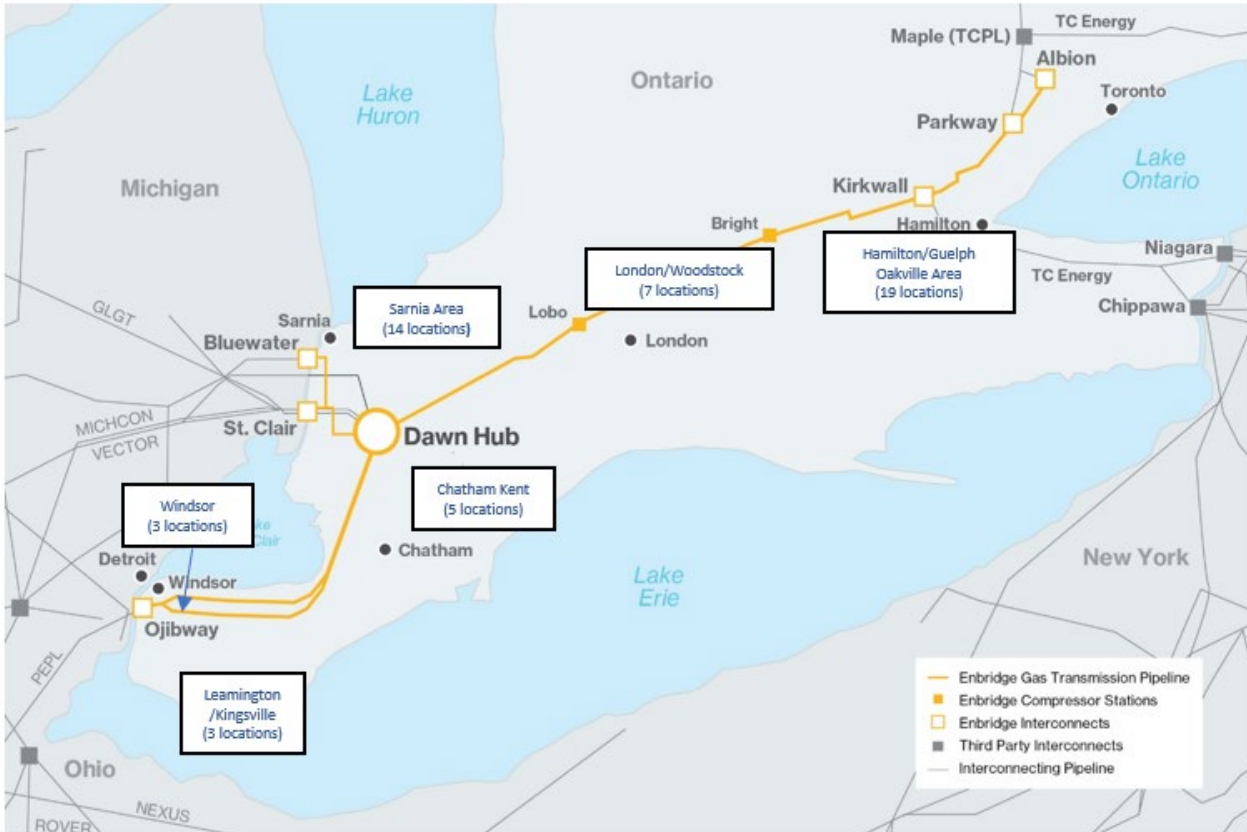
Please provide a map that shows the locations in which third-party sampling has been done historically.

- a) Please provide the monthly data from those locations for the same 2016-2022 period.
- b) On the same map, please specify where EGI intends to install three chromatographs in required locations.
 - i. Please describe how those locations have been chosen.

Response:

Please see Figure 1.

Figure 1: Third Party Sampling Locations by Geographic Area



- a) Please see Attachment 1 for the monthly data for the bottle sampling locations utilized from 2016 to 2022. For columns that do not have heat value data, that location either stopped being a bottle sample site or started as a bottle sample site during this time range.
- b) Enbridge Gas is proposing to install chromatographs at the following sites: St. Clair interconnect, Ojibway interconnect and one at either Lobo or Bright. The locations are labelled in Figure 1. Enbridge Gas will complete further analysis to finalize the locations.
 - i. The proposed chromatograph sites chosen are at primary receipt and delivery locations on the Enbridge Gas Transmission System which do not currently have chromatographs. Once installed, Enbridge Gas will have the appropriate equipment at all major receipt and delivery interconnects (St. Clair, Ojibway, Dawn, Kirkwall and Parkway) to measure volume and energy. Also, a chromatograph installation at Lobo or Bright (approximate midpoint of the Dawn

Parkway System) will provide additional heat value information along the Dawn Parkway System.

Historical Bottle Sample Heat Values (GJ/10³m³) - By Location Area

Line No.	Year	Month	Leamington/ Kingsville			Windsor			Chatham Kent Area					Sarnia Area													
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)
1	2016	1	38.92	39.13	38.96		39.20	39.30	38.88	39.64	39.14	38.99	39.08	39.40	39.40	39.41	39.43	39.25	39.62	39.30	39.29	39.64	39.24	39.30	39.15	39.38	39.40
2		2	39.54	39.67	38.93		39.21	39.48	38.70	39.33	39.14	39.01	39.23	39.52	39.46	39.35	39.43	39.41	39.48	39.56	39.40	39.49	39.43	39.43	39.42	39.47	39.54
3		3	39.72	39.18	39.61		39.18	39.90	39.03	38.93	38.93	38.88	39.02	39.30	39.58	39.27	39.53	39.51	39.50	39.37	39.51	39.20	39.52	39.51	39.52	39.46	39.44
4		4	39.72	39.18	39.15		39.21	39.90	38.88	38.90	38.93	39.06	39.07	39.16	39.29	38.97	39.45	39.56	39.42	39.32	39.29	39.12	39.30	39.49	39.28	39.27	39.30
5		5	39.17	38.98	39.06		39.11	39.74	38.96	38.97	38.74	39.08	38.79	38.99	39.10	38.92	39.11	39.15	39.48	38.98	39.04	39.11	39.03	39.16	39.00	39.05	39.08
6		6	38.79	37.70	38.80		38.94	38.90	39.00	38.93	38.89	39.05	39.23	39.05	38.99	38.99	39.12	38.95	39.68	38.93	39.04	38.78	38.90	39.36	38.99	39.04	39.03
7		7	39.11	39.13	38.94		38.72	39.17	38.90	39.03	38.45	39.07	38.91	39.02	38.87	39.02	39.17	39.51	39.66	38.87	39.04	38.89	39.07	39.64	39.02	38.99	38.92
8		8	39.27	39.14	39.09		38.80	39.09	39.74	39.10	38.59	39.07	39.65	39.14	39.22	39.13	39.24	39.36	39.69	38.99	39.41	38.66	39.25	39.28	39.22	39.30	38.96
9		9	39.24	39.51	39.09		39.49	39.26	39.03	39.01	38.93	38.98	39.54	39.90	39.48	39.90	39.92	39.98	39.85	39.49	39.92	39.41	39.97	39.83	39.66	39.84	39.87
10		10	39.12	39.27	39.32		39.57	39.24	39.10	39.05	38.84	38.90	38.80	39.10	39.22	39.12	39.36	39.57	39.78	39.16	39.13	39.68	39.12	39.31	39.17	39.22	39.14
11		11	39.12	39.22	39.15		39.57	39.30	38.77	38.60	38.56	38.80	38.65	38.89	38.63	38.78	38.61	38.79	39.77	38.74	38.87	38.38	38.74	38.74	38.97	38.93	38.78
12		12	38.86	39.09	39.28		39.29	39.25	39.02	38.87	39.23	38.86	39.03	39.04	38.96	39.04	39.12	38.94	39.58	38.98	38.93	39.08	38.98	39.11	38.95	39.09	39.10
13	2017	1	39.10	39.26	39.12		39.16	39.28	39.42	39.12	39.08	39.02	39.21	39.34	39.11	39.15	39.45	39.28	39.49	39.35	39.34	39.10	39.32	38.74	39.35	39.36	39.35
14		2	38.95	39.16	39.10		38.93	39.17	39.42	38.96	39.52	38.86	39.43	39.25	39.33	39.25	39.34	39.36	39.46	39.29	39.30	39.36	39.28	39.44	39.28	39.28	39.32
15		3	39.22	39.03	39.25		39.08	39.18	39.42	38.97	38.89	38.90	38.96	39.09	39.21	39.08	39.24	39.37	39.46	39.38	39.15	39.21	39.16	38.96	39.10	39.22	39.26
16		4	39.13	39.18	39.13		39.10	39.16	39.04	39.02	39.06	39.01	39.05	39.30	39.38	39.20	39.21	39.48	39.43	39.32	39.29	39.31	39.28	39.29	39.26	39.29	39.29
17		5	38.90	39.09	39.14		39.08	38.95	39.21	39.04	39.04	39.07	39.35	39.32	39.24	39.32	39.28	39.56	39.73	39.34	39.29	38.98	39.28	39.38	39.32	39.30	39.33
18		6	38.90	39.49	39.49		39.46	39.35	39.13	38.81	39.25	38.87	39.30	38.89	38.93	39.32	39.03	38.99	39.66	38.98	38.95	38.96	38.90	39.12	38.89	38.97	38.69
19		7	39.24	39.35	39.38		39.46	39.20	39.14	39.07	39.82	38.87	39.13	38.86	38.87	39.17	39.00	38.82	39.78	38.88	38.82	38.77	38.75	39.12	38.79	38.88	38.94
20		8	39.14	39.16	39.10		39.27	39.13	39.53	39.34	39.10	39.08	39.22	39.09	39.12	39.13	39.11	39.13	39.73	39.16	39.17	39.01	39.14	39.17	39.09	38.90	39.06
21		9	39.26	39.15	39.00		39.19	39.13	38.91	39.00	39.24	39.10	38.83	38.92	38.96	39.09	39.02	39.10	39.66	38.97	38.96	39.10	38.92	39.56	38.95	38.95	39.02
22		10	39.29	39.28	39.24		39.20	39.25	39.36	39.08	39.42	39.13	39.36	39.03	39.17	39.16	39.09	39.23	39.42	39.03	38.77	39.28	39.02	39.67	39.02	39.01	39.26
23		11	38.94	39.14	39.43		39.37	39.35	39.23	39.27	38.83	39.00	39.26	39.00	38.96	38.74	39.04	38.84		39.12	39.41	39.04	39.06	39.14	39.27	39.01	39.07
24		12	39.03	39.00	39.18		39.09	39.20	38.57	38.57	38.41	38.55	38.44	38.94	38.90	38.91	39.09	39.21		39.12	39.12	39.07	39.08	39.24	39.06	39.07	39.11
25	2018	1	38.68	38.53	38.64		39.57	38.39	38.66	38.54	38.57	38.57	38.53	39.03	39.21	39.21	39.14	39.43		39.37	39.02	39.19	39.30	38.98	39.29	39.14	39.06
26		2	38.68	38.47	38.59		39.53	39.56	38.82	38.63	38.91	38.69	38.60	39.12	39.09	38.93	39.12	39.36		39.06	39.09	39.12	39.06	39.22	39.08	39.04	38.94
27		3	38.86	38.98	38.69		39.36	39.55	38.82	39.08	39.03	38.68	39.36	39.02	39.05	39.00	39.05	39.30		39.01	38.81	39.20	38.90	39.10	38.73	39.04	39.03
28		4	38.98	38.98	38.83		39.71	38.97	38.85	38.60	39.13	39.03	38.61	38.69	38.81	38.86	38.98	39.16		38.81	38.69	38.81	38.76	39.05	38.75	38.98	39.02
29		5	38.98	38.98	39.40		39.72	38.91	38.85	39.02	39.19	39.03	39.12	38.80	39.08	38.63	39.11	39.35		39.14	38.62	38.70	39.15	39.26	39.06	38.85	38.93
30		6	39.15	39.18	39.42		39.45	39.04	38.85	39.27	39.18	39.09	38.87	38.57	38.80	38.57	38.79	39.25		38.89	39.43	39.42	38.71	39.36	38.67	38.99	39.05
31		7	39.29	39.33	39.42		39.56	39.39	39.42	39.27	39.32	38.99	38.80	39.04	39.39	39.00	39.50	39.41		39.27	38.98	39.38	39.23	39.54	39.24	39.17	39.39
32		8	39.29	39.29	39.36		39.48	39.03	38.62	39.14	39.32	39.15	38.81	39.04	39.10	39.00	39.16	39.09		39.09	39.17	38.95	39.09	39.24	39.02	39.09	39.11
33		9	39.14	38.83	39.20		39.61	38.72	39.36	39.30	39.41	39.18	39.39	39.01	38.96	38.89	39.10	39.14		39.05	38.96	38.89	38.98	39.31	38.98	39.05	39.12
34		10	39.63	39.63	39.60		39.65	39.62	39.42	38.59	39.21	39.28	39.35	38.93	39.12	38.96	39.26	39.41		39.23	39.08	39.19	39.27	39.54	39.13	39.23	39.20
35		11	39.60	39.63	39.68		39.70	39.56	39.46	39.48	39.64	39.49	39.58	39.34	39.33	39.19	39.37	39.58		39.41	39.21	39.42	39.35	39.47	39.33	39.35	39.55
36		12	39.44	39.50	39.70	39.99	40.04	39.69	39.40	38.94	39.20	39.44	39.47	39.63	39.57	39.30	39.26	39.56		39.58	39.29	39.57	39.48	39.57	39.45	39.33	39.38
37	2019	1	39.39	39.50	39.75	40.01	39.83	39.86	39.29	39.13	39.29	39.22	39.32	39.20	39.47	39.42	39.34	39.51		39.43	39.26	39.54	39.28	39.53	39.28	39.37	39.37
38		2	39.36	39.50	39.58	39.73	39.76	39.25	39.16	39.08	39.44	39.16	39.24	39.51	39.51	39.26	39.39	39.52		39.47	39.31	39.24	39.31	39.52	39.22	39.39	38.83
39		3	39.55	39.33	39.57	39.75	39.84	39.21	38.68	39.09	39.21	39.15	39.16	39.31	39.46	39.48	39.41	39.41		39.46	39.40	39.49	39.42	39.47	39.36	39.38	39.45
40		4	39.46	39.38	39.69	39.43	39.86	39.58	39.03	38.91	38.85	38.94	39.03	39.11	39.33	39.42	39.31	39.48		39.29	39.21	39.44	39.26	39.41	39.26	39.37	39.32
41		5	39.19	39.30	39.44	39.32	39.59	39.58	38.94	38.81	38.67	38.85	38.86	39.38	39.45	39.19	39.54	39.64		39.55	39.50	39.55	39.48	39.63	39.45	39.52	39.45
42		6	39.86	39.48	39.84	39.64	39.51	39.88	39.51	38.91	39.41	38.82	38.85	39.50	39.43	39.68	39.78	39.70		39.37	39.26	39.43	39.26	39.67	39.29	39.44	39.45
43		7	39.86	39.48	39.77	39.77	39.81	39.80	38.52	38.68	38.58	38.74	39.25	39.15	39.22	39.07	39.25	39.60		39.07	38.97	39.16	38.98	39.34	39.05	39.07	39.09
44		8	39.82	39.77	39.40	40.16	39.79	39.86	38.52	39.21	40.00	39.09	38.39	38.87	39.29	39.04	39.34	39.75		39.40	39.32	39.21	39.24	39.83	39.29	39.52	39.48
45		9	39.82	39.69	39.91	39.91	39.79	39.92	39.36	39.21	38.95	39.20	39.84	39.31	39.43	39.25	39.67	39.86		39.66	39.56	39.22	39.47	39.87	39.52		

Historical Bottle Sample Heat Values (GJ/10³m³) - By Location Area (Continued)

Line No.	Year	Month	Leamington/ Kingsville			Windsor			Chatham Kent Area					Sarnia Area												
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)
48		12	39.95	39.77	40.00	39.99	39.99	39.99	39.73	39.21	39.34	39.42	39.67	39.73	39.68	39.82	39.75	39.89	39.73	39.77	39.58	39.80	39.51	39.75	39.75	39.78
49	2020	1	39.30	39.66	39.94	39.92	39.99	39.92	39.74	39.65	39.30	39.46	39.67	39.81	39.67	39.79	39.80	39.36	39.73	39.57	39.48	39.59	39.78	39.59	39.75	39.67
50		2	39.31	39.74	39.91	39.98	40.03	39.97	39.45	38.86	39.71	39.38	39.70	39.48	39.79	39.83	39.81	39.84	39.72	39.59	39.82	39.61	39.83	39.62	39.71	39.75
51		3	39.80	39.48	39.82	39.99	40.07	39.96	39.58	39.73	39.82	39.59	39.58	39.55	39.64	39.47	39.58	39.83	39.59	39.61	39.53	39.61	39.72	39.59	39.62	39.70
52		4	40.10	39.73	39.93	39.98	40.00	39.93	39.75	39.48	39.27	39.23	39.75	39.77	39.58	39.71	39.71	39.88	39.81	39.78	39.72	39.80	39.76	39.76	39.73	39.72
53		5	38.91	39.69	39.79	39.89	39.98	39.82	39.49	40.15	39.72	39.15	39.61	39.50	39.69	39.64	39.34	39.80	39.68	39.50	39.81	39.55	39.70	39.38	39.57	39.70
54		6	39.93	39.61	40.02	39.89	39.93	39.92	39.32	39.58	39.77	39.06	39.79	39.22	39.43	39.45	39.25	39.61	39.33	39.19	39.44	39.19	39.58	39.19	39.31	39.30
55		7	39.95	39.94	39.89	39.93	39.91	39.53	39.82	38.84	39.86	38.85	39.90	39.23	39.23	39.09	39.25	39.59	39.20	39.24	39.21	39.31	39.46	39.12	39.37	39.36
56		8	39.94	39.74	39.64	39.93	39.96	39.85	39.85	38.90	39.64	38.96	39.61	39.09	39.31	39.13	39.23	39.55	39.77	39.32	39.05	39.24	39.36	39.60	39.32	39.32
57		9	40.07	40.09	40.04	39.97	39.92	39.90	39.71	39.30	39.69	39.22	39.66	39.27	39.37	39.34	39.54	39.58	39.73	39.42	39.50	39.35	39.50	39.67	39.52	39.46
58		10	39.92	39.29	39.99	40.01	39.93	39.26	39.24	39.42	39.22	39.26	39.43	39.63	39.39	39.41	39.52	39.50	39.12	39.30	39.54	39.59	39.37	39.45	39.41	39.43
59		11	39.87	39.47	39.98	40.00	40.05	39.99	39.62	39.75	39.60	39.66	39.70	39.62	39.62	39.71	39.66	39.68	39.62	39.53	39.50	39.49	39.59	39.53	39.57	39.60
60		12	39.09	39.00	39.82	39.97	40.03	39.99	39.03	39.21	39.31	39.24	39.36	39.25	39.31	39.03	39.33	39.64	39.35	39.39	39.42	39.38	39.46	39.39	39.39	39.42
61	2021	1	38.96	39.06	40.02	40.00	40.06	39.99	38.55	39.06	39.15	39.10	39.03	39.42	39.44	39.39	39.34	39.69	39.48	39.38	39.47	39.41	39.59	39.38	39.42	39.40
62		2	39.06	39.09	39.84	39.95	40.02	39.61	38.99	39.12	39.15	39.12	39.10	39.46	39.53	39.53	39.67	39.73	39.49	39.36	39.49	39.29	39.64	39.37	39.50	39.70
63		3	39.37	39.04	39.29	39.90	39.75	39.12	39.14	38.65	39.36	39.14	39.24	39.31	39.54	39.39	39.23	39.70	39.44	39.29	39.29	39.26	39.59	39.28	39.53	39.47
64		4	39.48	39.24	39.72	39.94	39.95	39.94	38.81	38.74	39.20	39.08	39.05	39.26	39.21	39.06	39.18	39.48	39.29	39.18	39.34	39.00	39.44	39.06	39.28	39.25
65		5	39.49	39.80	39.87	39.88	40.00	39.86	38.61	39.10	39.10	39.20	39.22	39.24	39.08	39.26	39.10	39.36	39.26	39.00	39.15	38.98	39.32	39.07	39.11	39.12
66		6	39.87	39.86	40.05	40.04	39.92	40.06	39.12	39.34	39.08	39.28	39.56	39.29	39.12	39.00	39.17	39.31	39.17	39.16	39.09	39.22	39.28	39.17	39.13	39.18
67		7	39.87	39.86	39.88	39.94	39.93	39.94	39.12	39.09	39.19	38.93	39.67	39.24	39.09	39.32	39.17	39.36	39.11	39.18	39.25	39.33	39.31	39.16	39.19	39.26
68		8	39.84	39.85	39.81	39.80	39.77	39.84	39.90	39.40	39.78	39.09	39.81	39.28	39.07	39.12	39.10	38.79	39.05	39.07	39.13	39.33	39.10	39.12	39.13	39.06
69		9	39.33	39.17	39.19	39.71	39.73	39.78	39.81	39.18	39.24	39.19	39.21	39.37	39.35	39.16	39.17	39.09	39.38	39.46	39.19	39.33	39.06	39.31	39.18	39.22
70		10	39.73	39.69	39.59	39.70	39.70	39.70	39.75	39.10	39.44	38.81	39.07	39.37	39.35	39.16	39.17	39.09	39.38	39.46	39.19	39.33	39.06	39.31	39.18	39.22
71		11	39.45	39.36	39.53	39.60	39.52	39.59	39.18	39.35	38.91	39.07	39.07	39.14	39.35	39.17	39.14	39.17	39.13	39.18	38.73	39.17	39.22	39.15	39.14	39.08
72		12	38.97	39.09	39.16	39.43	39.42	39.56	39.35	39.20	38.85	39.13	39.11	39.19	39.05	39.24	39.14	39.20	39.16	39.08	39.11	39.17	38.89	39.13	39.24	39.20
73	2022	1	38.97	39.03	39.19	39.82	39.31	39.22	39.38	38.96	39.00	38.96	38.10	39.09	38.75	39.07	39.05	39.11	39.12	39.08	39.02	39.06	38.89	39.14	39.24	39.04
74		2	38.95	39.27	39.45	39.75	39.81	39.00	38.82	39.23	39.35	39.30	38.10	39.09	38.75	39.07	39.05	39.11	39.12	39.08	39.02	39.06	38.89	39.14	39.24	39.04
75		3	39.05	39.19	39.48	39.94	39.97	39.36	39.18	39.00	39.37	39.14	39.15	39.20	39.37	39.22	39.44	39.46	39.37	39.27	39.30	39.25	39.39	39.26	39.27	39.24
76		4	39.03	39.10	39.46	39.92	39.98	39.56	39.02	39.09	39.12	39.06	39.06	39.33	39.24	39.15	39.40	39.11	39.23	39.24	39.30	39.30	39.35	39.34	39.32	39.40
77		5	39.24	39.44	39.29	39.66	39.86	39.85	39.27	39.04	39.14	39.16	39.14	39.25	39.23	39.35	39.27	39.25	39.40	39.38	39.40	39.62	39.24	39.59	39.40	39.43
78		6	39.02	39.25	39.03	39.89	39.94	39.87	39.24	39.23	39.15	39.21	39.19	39.53	39.37	39.41	39.20	39.27	39.33	39.33	39.27	39.23	39.19	39.44	39.31	39.22
79		7	39.97	39.72	39.94	39.95	39.95	39.98	39.34	39.16	38.92	39.12	39.22	39.09	39.17	39.06	39.28	39.11	39.07	39.14	39.23	39.11	39.09	39.01	39.06	39.15
80		8	39.74	39.51	39.53	39.96	39.87	39.12	39.45	39.28	39.41	39.15	39.37	39.18	39.20	39.36	39.30	39.28	39.20	39.23	39.20	39.55	39.33	39.09	39.21	39.22
81		9	39.92	39.88	39.91	39.92	39.90	40.01	39.44	39.50	38.96	39.15	39.52	39.50	39.33	39.29	39.44	39.36	39.33	39.30	39.33	39.41	39.44	39.32	39.30	39.29
82		10	39.58	39.59	39.68	39.80	39.84	39.98	39.27	39.31	39.34	39.15	39.28	39.41	39.40	39.53	39.45	39.52	39.41	39.42	39.33	39.39	39.55	39.51	39.40	39.44
83		11	39.65	39.57	39.71	39.76	39.76	39.76	39.47	39.42	39.40	39.30	39.48	39.41	39.40	39.53	39.45	39.52	39.41	39.42	39.33	39.39	39.55	39.51	39.40	39.44
84		12	39.42	39.28	39.57	39.93	39.89	39.82	39.33	39.55	39.29	39.26	39.36	39.46	39.22	39.19	39.20	39.29	39.29	39.38	39.28	39.38	39.28	39.47	39.41	39.43

Historical Bottle Sample Heat Values (GJ/103m3) - By Location Area (Continued)

Line No.	Year	Month	London						Woodstock						Hamilton Guelph Oakville Area													
			(z)	(aa)	(ab)	(ac)	(ad)	(ae)	(af)	(ag)	(ah)	(ai)	(aj)	(ak)	(al)	(am)	(an)	(ao)	(ap)	(aq)	(ar)	(as)	(at)	(au)	(av)	(aw)	(ax)	(ay)
1	2016	1	39.12	39.06	39.05	38.94	39.08	39.02	38.83	38.55	38.57	38.89	38.86	38.49	39.23	38.94	38.72	38.95	39.09	38.56	38.94	38.74	38.98	39.15	38.81	38.35	38.94	38.91
2		2	38.90	38.88	39.04	38.94	38.88	38.96	39.14	38.73	38.51	38.62	38.90	38.43	38.90	38.89	38.75	38.84	38.99	38.58	38.94	38.94	38.98	38.95	38.79	38.53	39.01	39.06
3		3	39.14	39.22	38.92	39.16	39.11	39.23	39.44	38.85	38.54	38.64	38.84	38.51	38.89	39.24	39.04	38.87	38.99	38.66	38.90	38.84	38.98	38.98	38.70	38.46	39.02	38.95
4		4	39.43	38.98	39.10	38.93	39.03	38.74	38.72	38.77	38.48	38.53	38.68	38.53	38.92	38.69	38.67	38.77	38.83	39.00	38.85	38.75	38.91	38.92	38.58	38.46	38.96	38.91
5		5	38.81	38.39	38.43	38.93	38.33	38.45	38.25	38.73	38.48	38.14	38.70	38.03	38.60	38.76	38.55	38.79	38.71	39.00	38.58	38.72	38.90	38.60	38.35	38.50	38.91	38.86
6		6	38.99	38.43	38.41	38.43	38.54	38.46	38.35	38.41	38.45	37.73	38.54	38.10	38.60	38.50	38.44	38.36	38.39	38.41	38.70	38.42	38.33	38.70	38.46	38.26	38.45	38.48
7		7	38.85	38.46	38.42	38.46	38.54	38.73	38.69	38.41	38.38	38.34	38.38	38.38	38.33	38.39	38.44	38.26	38.28	38.43	38.23	37.81	38.36	38.20	38.08	38.22	38.41	38.36
8		8	38.86	38.70	38.36	38.63	38.48	38.47	38.37	38.27	38.34	38.34	38.36	38.38	38.36	38.41	38.31	38.26	38.32	38.51	38.03	38.25	38.36	37.67	38.14	38.15	38.38	38.35
9		9	38.61	38.28	38.27	38.31	38.37	38.45	38.26	38.28	38.40	37.80	38.42	38.38	38.46	38.41	38.29	38.27	38.38	38.43	38.32	38.22	38.28	38.28	37.93	38.29	38.50	38.46
10		10	38.49	38.72	38.25	39.24	38.53	38.73	39.12	38.06	38.32	37.92	38.30	37.79	38.23	38.39	38.21	38.18	38.29	38.45	38.23	38.01	38.29	38.29	38.27	37.95	38.28	38.37
11		11	38.89	39.23	38.80	39.08	39.19	39.29	39.30	38.35	38.34	39.11	38.37	38.45	38.33	38.19	38.46	38.44	38.39	38.85	38.28	38.43	38.55	37.97	38.64	38.08	38.77	38.37
12		12	39.12	39.05	38.84	39.03	39.01	38.95	39.30	38.60	38.50	38.79	38.83	38.73	38.87	38.85	38.77	38.70	38.70	38.85	38.48	38.53	38.72	38.35	38.91	38.57	39.14	38.92
13	2017	1	39.03	39.02	38.89	39.01	39.02	39.02	37.60	38.78	38.54	38.75	38.92	38.96	38.95	39.10	38.87	38.65	39.06	38.83	38.74	38.74	38.94	38.55	38.88	38.88	39.14	39.00
14		2	39.11	39.02	39.06	39.02	39.07	39.09	39.07	38.82	38.59	38.78	38.92	39.00	38.90	38.93	38.88	38.65	39.01	39.11	38.76	38.77	38.96	38.61	38.89	38.87	39.10	39.00
15		3	39.01	38.98	38.96	38.99	38.98	38.99	38.97	38.79	38.62	38.84	38.88	38.82	38.99	38.97	38.84	38.96	39.00	38.97	38.84	38.80	38.96	38.67	38.88	38.88	39.05	38.98
16		4	39.22	38.93	39.61	38.90	39.91	38.85	39.06	38.76	38.61	38.48	38.83	38.85	38.95	38.80	38.84	38.96	38.96	38.83	38.70	38.73	38.89	38.64	38.60	38.83	39.00	38.97
17		5	39.25	39.10	39.61	38.65	38.60	38.37	38.37	38.71	38.57	38.38	38.92	39.07	39.00	39.00	38.97	38.96	38.96	38.84	38.68	38.63	39.00	38.56	38.51	38.69	39.08	38.93
18		6	38.68	38.38	38.38	38.38	38.38	38.32	38.38	38.48	38.43	38.27	38.62	38.38	38.41	39.57	38.54	38.56	38.55	38.51	38.78	38.51	38.49	38.72	38.26	38.49	38.50	38.64
19		7	39.68	38.37	38.36	38.56	38.57	38.68	38.48	38.25	38.36	38.25	38.36	37.94	38.28	38.37	38.29	38.27	38.79	38.52	38.33	38.28	38.36	38.30	38.23	38.37	38.36	38.35
20		8	38.88	38.44	38.45	38.75	38.81	38.75	38.97	38.25	38.40	38.32	38.39	38.21	38.28	38.37	38.38	38.33	38.40	38.75	38.33	38.38	38.36	38.41	38.39	38.37	38.45	38.42
21		9	38.68	38.46	38.20	38.18	38.27	38.39	38.33	38.34	38.37	38.35	38.38	38.33	38.35	38.37	38.27	38.39	38.32	38.50	38.39	38.39	38.32	38.69	38.39	38.33	38.37	38.42
22		10	38.80	38.69	38.49	38.62	38.64	38.53	38.51	38.38	38.38	38.43	38.43	38.38	38.38	38.40	38.38	38.39	38.38	38.31	38.33	38.38	38.07	38.34	38.39	38.39	38.46	38.39
23		11	38.91	38.77	38.77	38.86	38.84	38.95	38.85	38.42	38.40	38.72	38.46	38.41	38.45	38.40	38.47	38.39	38.44	39.02	38.40	38.40	38.44	38.33	38.66	38.42	38.63	38.53
24		12	38.97	38.91	38.86	38.83	38.82	39.18	38.98	38.59	38.41	39.11	38.71	38.41	38.73	38.38	38.47	38.59	38.89	39.08	38.52	38.56	38.79	38.47	38.79	38.65	38.90	38.83
25	2018	1	39.08	38.90	38.90	38.90	38.87	38.89	38.78	38.79	38.41	38.90	38.78	38.84	39.06	38.67	38.74	38.86	38.89	38.86	38.52	38.75	38.78	38.44	38.87	38.81	38.87	38.89
26		2	38.96	38.82	38.84	38.82	38.84	38.80	38.84	38.67	38.78	38.79	38.68	38.76	38.72	38.69	38.62	38.81	38.80	38.80	38.72	38.78	38.85	38.77	38.87	38.84	38.88	38.88
27		3	39.01	38.94	38.91	38.98	39.10	39.15	39.16	38.70	38.38	38.89	38.69	38.87	38.83	38.90	38.62	38.66	38.79	38.83	38.71	38.67	38.73	38.78	38.87	38.78	38.94	38.82
28		4	39.67	38.92	38.91	39.04	39.41	39.51	39.66	38.69	38.39	37.88	38.85	38.92	38.94	39.03	38.93	38.69	38.88	38.73	38.64	38.67	38.89	38.52	38.80	38.90	38.93	38.98
29		5	39.01	38.81	38.84	38.39	38.38	38.36	38.36	38.84	38.43	38.35	39.28	38.75	38.96	38.51	38.74	38.66	38.95	38.50	38.64	38.80	38.69	38.71	38.76	38.77	38.80	39.01
30		6	38.93	38.40	38.82	38.41	38.40	38.37	38.30	38.38	38.39	38.35	38.42	38.33	38.40	38.37	38.61	38.38	38.34	38.49	38.38	38.34	38.40	39.33	38.37	38.37	38.35	38.40
31		7	39.24	38.64	38.58	38.77	38.65	38.90	39.14	38.37	38.36	38.38	38.36	38.39	38.32	38.39	38.35	38.49	38.40	38.57	38.35	38.34	38.25	38.33	38.36	38.36	38.36	38.34
32		8	40.69	39.12	38.71	38.80	38.89	38.59	38.61	38.38	38.37	38.51	38.39	38.42	38.45	38.53	38.28	38.41	38.42	38.72	38.54	38.40	38.48	38.38	38.47	38.34	38.51	38.59
33		9	39.09	38.60	38.76	38.54	38.46	38.44	38.44	38.44	38.33	38.53	38.47	38.41	38.38	38.46	38.17	38.38	38.61	38.55	38.44	38.39	38.48	38.30	38.59	38.37	38.55	38.56
34		10	38.93	39.06	38.92	39.52	39.49	39.55	39.43	38.38	38.40	38.48	38.41	38.42	38.41	39.34	38.29	38.38	38.40	39.50	38.39	38.38	38.33	38.35	38.49	38.66	38.43	38.38
35		11	39.56	39.48	39.49	39.51	39.48	39.49	39.46	38.83	38.47	39.04	38.78	39.11	39.08	39.34	38.88	38.95	38.79	39.19	38.58	38.89	39.24	38.56	39.00	39.18	39.16	39.17
36		12	39.20	39.47	39.45	39.41	39.37	39.34	39.34	39.03	38.48	39.20	39.41	39.24	39.08	39.45	39.50	39.15	39.40	39.17	38.79	39.08	39.38	38.88	39.24	39.07	39.51	39.50
37	2019	1	39.47	39.31	39.29	39.32	39.24	39.23	39.25	39.08	38.54	39.22	39.40	39.25	39.08	39.21	39.31	39.10	39.48	39.22	39.05	38.94	39.31	39.09	39.23	39.04	39.44	39.39
38		2	39.30	39.25	39.19	39.26	39.19	39.26	39.16	39.14	38.54	39.15	39.22	39.19	39.08	39.21	39.25	39.02	39.19	39.22	39.08	39.03	39.31	39.02	39.23	39.22	39.49	39.29
39		3	39.30	39.25	39.19	39.26	39.19	39.26	39.16	39.09	38.80	39.19	39.12	39.17	39.08	39.20	39.17	39.04	39.17	39.23	39.09	39.04	39.31	38.93	39.14	39.14	39.19	39.27
40		4	39.31	39.27	39.20	39.33	39.31	39.29	39.35	39.07	38.43	39.34	39.31	39.08	39.35	39.38	39.32	39.18	39.18	39.47	39.09	39.12	39.31	39.05	39.09	39.09	39.29	39.28
41		5	39.70	39.23	39.43	39.39	39.53	39.58	39.77	38.81	38.69	39.02	39.17	38.75	39.43	38.91	38.83	38.60	39.30	39.16	38.80	38.66	39.31	39.13	38.83	38.81	39.52	39.45
42		6	39.84	39.23	39.40	38.71	38.98	39.28	38.35	38.37	38.61	38.31	38.66	38.39	39.23	38.51	38.50	38.34	38.93	38.86	38.39	38.35	39.31	38.74	38.41	38.42	39.18	38.95
43		7	39.39	38.51	38.45																							

Historical Bottle Sample Heat Values (GJ/103m3) - By Location Area (Continued)

Line No.	Year	Month	London Woodstock						Hamilton Guelph Oakville Area																			
			(z)	(aa)	(ab)	(ac)	(ad)	(ae)	(af)	(ag)	(ah)	(ai)	(aj)	(ak)	(al)	(am)	(an)	(ao)	(ap)	(aq)	(ar)	(as)	(at)	(au)	(av)	(aw)	(ax)	(ay)
48		12	39.82	39.82	39.77	39.87	39.77	39.84	39.86	39.04	38.45	39.53	39.31	39.51	39.61	39.24	39.07	39.37	39.70	39.59	38.70	38.80	39.41	38.66	39.47	39.51	39.75	39.75
49	2020	1	39.84	39.70	39.76	39.72	39.65	39.57	39.58	39.26	38.46	39.53	39.47	39.47	39.37	39.71	39.07	39.19	39.57	39.37	39.32	38.80	39.82	39.07	39.46	39.46	39.73	39.70
50		2	39.75	39.61	39.72	39.64	39.59	39.70	39.62	39.20	38.54	39.40	39.53	39.34	39.37	39.57	39.50	39.28	39.70	39.38	39.18	39.12	39.58	39.04	39.38	39.39	39.65	39.62
51		3	39.63	39.54	39.55	39.57	39.54	39.59	39.62	39.22	38.45	39.36	39.44	39.31	39.31	39.33	39.04	39.26	39.46	39.32	39.26	39.11	39.68	39.13	39.33	39.35	39.42	39.52
52		4	39.74	39.66	39.82	39.71	39.54	39.56	39.77	39.02	38.50	39.28	39.24	39.17	39.67	39.69	38.55	38.91	39.58	39.49	39.12	38.95	39.81	39.06	39.23	39.20	39.80	39.76
53		5	39.89	39.73	39.44	39.69	39.64	39.75	39.60	38.77	38.54	38.68	39.49	38.70	39.49	39.49	39.21	38.58	39.56	39.30	38.76	38.62	39.81	39.13	39.32	38.98	39.64	39.59
54		6	39.41	39.34	39.28	38.78	38.78	39.23	39.20	38.38	38.45	38.37	38.69	38.43	38.83	38.39	38.27	38.42	38.41	39.24	38.42	38.40	38.66	38.45	38.99	38.48	38.96	38.96
55		7	38.76	38.38	38.35	38.37	38.40	38.33	38.34	38.34	38.36	38.62	38.35	38.32	38.33	38.37	38.27	38.43	38.32	38.51	38.34	38.30	38.46	38.35	38.33	38.37	38.36	38.36
56		8	40.15	39.29	38.90	39.73	39.12	39.10	39.70	38.55	38.36	38.35	38.39	38.36	38.33	38.54	38.53	39.57	38.32	39.09	38.40	38.45	39.23	38.26	38.34	38.47	38.70	38.36
57		9	40.23	38.91	38.80	38.70	39.20	38.77	38.93	38.46	38.34	38.35	38.33	38.36	38.34	38.56	38.25	38.37	38.40	38.52	38.93	38.40	38.43	39.37	38.34	38.47	38.51	38.34
58		10	39.07	38.50	38.38	38.32	38.33	38.50	38.34	38.37	38.33	38.37	38.36	38.48	38.25	38.37	38.60	38.36	38.40	38.39	38.37	38.34	38.38	38.35	38.37	38.46	38.38	38.32
59		11	39.57	38.50	39.20	39.42	39.67	39.44	39.45	38.54	38.34	38.57	38.97	39.13	38.23	38.98	39.27	38.92	38.78	39.67	38.41	38.50	39.38	38.29	38.36	38.75	39.28	39.53
60		12	39.18	38.50	39.48	39.50	39.56	39.58	39.35	38.73	38.34	39.12	38.91	39.15	39.50	39.27	38.47	38.92	39.27	39.52	38.81	38.65	39.47	38.69	38.36	39.18	39.46	39.62
61	2021	1	39.61	39.48	39.56	39.50	39.48	39.44	39.33	39.04	38.36	39.10	39.26	39.28	39.36	39.50	38.47	39.01	39.35	39.26	38.97	38.94	39.50	38.77	39.17	39.27	39.51	39.53
62		2	39.49	39.48	39.38	39.43	39.45	39.44	39.37	39.09	38.25	39.29	39.30	39.28	39.19	39.42	39.25	39.16	39.37	39.26	39.05	39.02	39.59	38.98	39.23	39.28	39.43	39.40
63		3	39.32	39.30	39.33	39.36	39.38	39.22	39.27	39.05	38.25	39.02	39.08	39.18	39.49	39.27	39.21	39.01	39.26	39.25	39.16	38.98	39.39	39.01	39.24	39.23	39.36	39.42
64		4	39.72	39.38	39.47	39.50	39.53	39.29	39.49	38.94	38.44	38.85	39.29	39.04	39.51	39.44	39.48	38.97	39.40	39.26	39.10	38.87	39.46	39.04	39.07	38.95	39.50	39.58
65		5	39.49	39.64	39.40	39.45	39.57	39.42	39.50	38.56	38.46	38.74	39.20	38.85	38.79	39.50	39.44	38.44	39.05	39.31	38.76	38.87	39.39	38.81	38.81	38.69	39.29	39.61
66		6	38.85	39.81	39.71	39.11	38.41	39.16	38.92	38.35	38.32	38.40	38.97	38.39	38.28	38.42	39.22	38.36	38.64	38.40	38.53	38.36	38.69	38.45	38.49	38.44	38.79	39.61
67		7	38.45	38.33	38.35	38.36	38.35	38.46	38.46	38.30	38.28	38.69	38.33	38.55	38.33	38.36	39.22	38.44	38.33	38.46	38.34	38.27	38.46	38.25	38.40	38.35	38.42	38.68
68		8	38.64	38.35	38.70	38.35	38.78	38.70	38.67	38.30	38.29	38.34	38.50	38.36	38.33	38.47	39.22	38.41	38.30	38.36	38.41	38.38	38.46	38.29	38.42	38.51	38.49	38.34
69		9	38.63	38.51	38.42	38.50	38.91	38.56	38.47	38.39	38.40	38.34	38.43	38.46	38.33	38.67	38.15	38.52	38.30	39.25	38.35	38.43	38.49	38.36	38.56	38.47	38.69	38.98
70		10	38.85	39.10	39.08	39.05	38.59	38.92	38.75	38.36	38.35	38.38	38.40	38.50	38.33	38.37	38.33	38.34	38.29	39.04	38.35	38.41	38.67	38.34	38.42	38.45	38.41	38.23
71		11	38.51	38.98	38.81	38.43	38.97	38.92	38.94	38.42	38.38	38.73	38.40	38.74	38.33	38.56	38.41	38.60	38.53	38.95	38.37	38.38	38.28	38.35	38.61	38.47	38.61	39.20
72		12	39.21	39.19	39.13	39.20	39.20	39.24	39.34	38.80	38.42	39.07	38.38	39.09	38.33	39.20	39.14	38.92	39.36	39.22	38.83	38.38	39.14	38.76	39.00	38.97	39.29	39.30
73	2022	1	39.15	39.21	39.03	38.76	39.41	39.30	39.34	38.98	38.46	39.07	39.05	39.09	39.18	39.03	38.99	39.09	39.36	38.98	38.92	38.38	39.25	38.98	39.00	38.97	38.82	39.18
74		2	39.28	39.36	39.30	39.26	39.27	39.25	39.22	39.11	38.57	39.10	39.02	39.12	39.21	39.07	38.99	39.20	39.23	39.25	39.10	38.96	39.24	39.09	39.19	39.21	39.26	39.28
75		3	39.28	39.25	39.39	39.27	39.35	39.16	39.25	39.06	38.38	39.10	39.10	39.17	39.35	39.27	38.81	39.08	39.28	39.31	39.08	38.96	39.31	39.16	39.17	39.27	39.27	39.27
76		4	39.31	39.45	39.23	39.34	39.31	39.31	39.40	38.91	38.59	39.19	39.15	39.15	39.31	39.31	38.81	38.89	39.07	39.36	38.98	38.84	39.43	39.06	39.12	39.22	39.22	39.38
77		5	39.29	39.38	39.33	39.36	39.50	39.27	39.35	38.68	38.49	38.70	39.35	38.79	39.35	39.39	39.20	38.65	39.01	39.36	38.75	38.65	39.47	38.84	38.85	38.67	39.01	39.29
78		6	39.40	39.37	39.05	39.26	38.69	39.29	39.23	38.39	38.44	38.41	39.04	38.36	38.68	38.36	38.92	38.33	38.32	39.26	38.57	38.33	38.35	38.99	38.47	38.34	38.50	38.88
79		7	39.79	38.50	38.50	38.58	38.89	38.57	38.67	38.33	38.29	38.41	38.31	38.57	38.41	38.35	38.40	38.35	38.32	38.43	38.34	38.28	38.51	38.40	38.37	38.34	38.39	38.42
80		8	39.83	38.95	38.70	38.52	38.45	38.87	38.84	38.38	38.32	38.75	38.30	38.65	38.82	38.35	37.75	38.43	38.43	38.98	38.37	38.35	38.87	38.39	38.47	38.75	38.69	38.81
81		9	38.37	38.43	39.01	38.44	38.33	39.09	38.88	38.37	38.29	38.37	38.38	38.38	38.69	38.37	38.19	38.35	38.43	38.59	38.40	38.31	38.43	38.64	38.43	38.44	38.51	38.57
82		10	38.41	38.57	38.38	38.37	38.35	38.55	38.40	38.33	38.33	38.28	38.35	38.54	38.31	38.38	38.38	38.29	38.72	38.43	38.38	38.31	38.37	38.35	38.47	38.38	38.51	38.36
83		11	39.52	39.18	38.96	38.93	39.20	38.69	39.05	38.59	38.62	38.93	38.35	38.72	39.32	39.21	38.55	38.64	38.55	39.41	38.60	38.56	39.17	38.32	38.74	38.40	38.51	39.32
84		12	39.50	39.46	39.47	39.40	39.48	39.37	39.44	38.77	38.46	39.11	39.26	39.03	39.35	38.91	39.24	38.83	39.49	39.47	38.70	38.76	39.38	38.64	38.99	38.96	38.51	39.39