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Enbridge Gas Inc.
 P.O. Box 2001
 50 Keil Drive N.
 Chatham, Ontario, N7M 5M1
 Canada

VIA EMAIL and RESS

October 22, 2024

Nancy Marconi
 Registrar
 Ontario Energy Board
 2300 Yonge Street, Suite 2700
 Toronto, Ontario, M4P 1E4

Dear Nancy Marconi:

**Re: Enbridge Gas Inc. (Enbridge Gas)
 Ontario Energy Board (OEB) File No. EB-2023-0343
 East Gwillimbury Community Expansion Project
 Interrogatory Responses**

In accordance with the OEB’s Procedural Order No. 3, dated September 20, 2024, enclosed please find the interrogatory responses of Enbridge Gas.

In accordance with the OEB’s *Practice Direction on Confidential Filings*, Enbridge Gas is requesting confidential treatment of the following information. Details of the specific confidential information for which confidential treatment is sought are set out in Table 1:

Table 1

Exhibit	Confidential Information Location	Brief Description	Basis for Confidentiality
I.FRPO.2	p. 2, Table 1	Station Pressure and Flow The redacted information is station names.	The redactions relate to the locations of Enbridge Gas infrastructure. Public disclosure poses both a safety and a security risk as it may allow third parties to determine gas system configurations and points of sensitivity or vulnerability that may expose Enbridge Gas to security risks.

If you have any questions, please contact the undersigned.

Sincerely,

Eric VanRuymbeke
 Sr. Advisor – Leave to Construct Applications

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1, page 1

Preamble:

The East Gwillimbury Community Expansion Project was approved to receive funding assistance from Phase 2 of the Government of Ontario's Natural Gas Expansion Program (NGEP).

OEB staff notes that Enbridge Gas filed unredacted versions of its NGEP proposals in many previous community expansion proceedings.

Question(s):

Please file an unredacted version of Enbridge Gas's NGEP proposal for the East Gwillimbury Community Expansion Project.

Response:

Please see Attachment 1 to this response for the unredacted East Gwillimbury Community Expansion project proposal submitted to the OEB on July 3, 2020, pursuant to the Final Guidelines for Potential Projects to Expand Access to Natural Gas Distribution.

Schedule 5A
Enbridge Gas Community Expansion Project Proposal
East Gwillimbury (North)

**Enbridge Gas Inc.
Potential Projects to Expand Access to Natural Gas Distribution**

Part I – Name of Proponent	
Name of Proponent: Enbridge Gas Inc.	File No: EB-2019-0255
Project Name: East Gwillimbury (North and East) Community Expansion Project	
Address of Head Office: 50 Keil Drive North Chatham, ON N7M 5M1	Telephone Number: 519-436-4600
Name of Individual to Contact: Patrick McMahon	Office Telephone Number: 519-436-5325
	Cell Phone Number: 519-437-0759
	Email Address: patrick.mcmahon@enbridge.com

Part II – Description of Proponent’s Technical Expertise and Financial Capability
<i>Natural gas distributors that are currently rate-regulated by the OEB are not required to complete this Part.</i>
<i>A proponent that is not currently rate-regulated as a natural gas distributor by the OEB and that has multiple proposed projects is only required to provide the information in this Part once, unless the proponent has different organizational or financial structure approaches for its projects. In that case, the information in this Part must be provided for each different organizational or financing structure.</i>

Part II – Description of Proponent’s Technical Expertise and Financial Capability	
2.1	<p>Describe the proponent’s technical expertise to develop, construct, operate and maintain a natural gas distribution system.</p> <p>N/A</p>
2.2	<p>Describe the proponent’s financial capability to develop, construct, operate and maintain a natural gas distribution system, and provide the following:</p> <ul style="list-style-type: none"> • Current credit rating of the proponent, its parent or associated companies. • Financial statements for each of the past two fiscal years. This may include audited financial statements, annual reports, prospectuses or other such information. If the proponent does not have financial statements (because it is a new entrant), the proponent is instead to provide pro forma financial statements for two years along with notes or business plans explaining the assumptions used in preparing the pro forma statements, where the documents must be signed by at least one key individual. • If the proponent needs to raise additional debt or equity to finance the proposed project, evidence of the proponent’s ability to access the debt and equity markets. <p>New entrants that cannot provide the information identified in this section should explain why that is the case and provide the best information that they have available.</p> <p>N/A</p>

Part III – Description of and Support for Project

3.1

Provide a general overview of the project, which is to include the following: communities to be connected, including whether the project would serve any on-reserve Indigenous communities; existing population of each community by residential, commercial/institutional and industrial sectors; routing; length of pipeline; and nominal pipe size.

Enbridge Gas is proposing to extend service within the Town of East Gwillimbury to serve the northern portion of the community. The proposed facilities will provide access to natural gas to a forecasted 422 customers (391 residential, 22 commercial / institutional and 9 industrial).

The proposed project will tie-in to the existing system at Woodbine Avenue and Ravenshoe Road and run east along Ravenshoe Road to Highway 48 (inclusive of subdivision off McCowan Road). The proposed project will tie-in to the existing system at the intersection of Woodbine Avenue and Holborn Road to provide gas service along Holburn Road, Warden Avenue, John Rye Trail and tie-in to the existing system at the intersection of Warden Avenue and Doane Road.

The proposed project will tie-in to the existing system at the intersection of Mount Albert Road and McCowan Road and run along McCowan Road north to Pelosi Way. The proposed project will tie-in to the existing system on Centre Street north of Mount Albert Road, and run north along Centre Street to Queensville Sideroad East. An additional small segment is proposed along Davis Drive between Warden Avenue and Kennedy Road. Some additional small segments of distribution piping are proposed in the community of Holland Landing to expand the distribution system along 2nd Concession Road south of Mount Albert Road, Bathurst Street and Queensville Sideroad West, and along Mount Albert Road at Yonge Street.

Three stations are proposed to cut the existing high pressure system down to distribution pressure to serve the community. These stations are located at the intersection of Mount Albert Road and McCowan Road, north of the intersection of Warden Avenue and Doane Road, and at the intersection of Ravenshoe Road and Woodbine Avenue.

The approximate length and size of the distribution pipelines required:

Pipe Type	Diameter (NPS)	Length (m)
Polyethylene	2	23,950
Polyethylene	4	6187

Please refer to Schedule 5A-1 for Project Map.

<p>3.2</p>	<p>Provide the annual and cumulative forecast of the number of customer attachments over the ten-year rate stability period by residential, commercial/institutional and industrial sectors for each community. Indicate for each customer type whether the service to be provided would be firm or interruptible.</p> <p>Please refer to Schedule 5A-2, Table 3.2.</p>
<p>3.3</p>	<p>Provide the annual and cumulative forecast of volumes (in m³) over the ten-year rate stability period by residential, commercial/institutional and industrial sectors for each community.</p> <p>For the residential segment, the default value for the average consumption level is 2,200 m³ per year. A proponent that has more accurate information regarding the annual consumption for residential customers in a given community may use that value, in which case it must explain how it has determined that it is more accurate than the default.</p> <p>Please refer to Schedule 5A-2, Table 3.3.</p>
<p>3.4</p>	<p>Provide the estimated conversion costs to convert each of the existing heating systems (e.g., propane forced air, oil forced air, electric forced air and electric baseboard) and water-heating systems (e.g., electric, oil and propane) to natural gas. To the extent available, provide information on the current proportion of customers on each type of heating system.</p> <p>Provide the estimated annual costs of the existing alternative fuels relative to natural gas, including the annual savings with natural gas. The calculation of household energy costs for natural gas should include conversion costs, commodity costs, associated upstream transportation costs to Ontario, incremental CNG and LNG costs (where applicable), costs under the federal <i>Greenhouse Gas Pollution Pricing Act</i> and distribution costs. The assessment of household energy cost impacts should include greenhouse gas (GHG) emission estimates (whether positive or negative) related to converting existing heating and water heating systems to natural gas. The major assumptions (e.g., conversion factors) used in the calculations must also be provided.</p> <p>Please refer to Schedule 5A-3, Table 3.4.</p>

3.5	<p>Provide the proposed schedule for construction including the start date, all major milestones (with any phases) and the projected in-service date.</p> <p>Please refer to Schedule 5A-4 for Proposed Construction Schedule.</p>
3.6	<p>Provide letter(s) from the Band Council(s) and/or local government, as applicable, stating support for the project, including details of any commitment to financial support.</p> <p>Please refer to Schedule 5A-5.</p>
3.7	<p>Provide a copy of the Certificate of Public Convenience and Necessity (Certificate) for the area to be served, if held by the project proponent. If not, indicate whether another entity holds the Certificate for the area to be served, if known, and if so, identify the Certificate holder.</p> <p>Where the project proponent holds a Certificate for the areas to be served, specify the boundaries of the Certificate and indicate whether the boundaries encompass the entire area that would be supplied by the proposed project.</p> <p>Please refer to Schedule 5A-6 for Enbridge’s CPCN for the Town of East Gwillimbury (FBC 108) which covers the entire area of the proposed project.</p> <p>(Note: The Town of East Gwillimbury was formed by the amalgamation of the Township of East Gwillimbury with all the previously incorporated villages and hamlets within the township.)</p>
<p>Part IV – Cost of Project</p>	
4.1	<p>Confirm that the proposed project includes a ten-year rate stability period.</p> <p>The proposed project does include a ten-year rate stability period.</p>

<p>4.2</p>	<p>Provide the total forecast of capital costs (including any forecast of upstream reinforcement costs) of the project at the end of the rate stability period (i.e., year ten).</p> <p>Where applicable, the inflation rate to be used is the most recent quarter average GDP IPI FDD. For interest during construction, the proponent is to use the OEB-prescribed interest rate for construction work in progress (CWIP).</p> <p>For projects proposing to use CNG and/or LNG, the costs of required infrastructure and other associated costs must be included as part of the total project capital costs.</p> <p>Include any upstream reinforcement costs in the total cost of the project. To the extent that the reinforcement costs for an incumbent utility’s proposed project are materially different from the reinforcement costs that the utility has estimated for another proponent’s project in the same area, the incumbent utility must identify in its filing that two separate estimates exist and explain the reasons for the differences.</p> <p>Please refer to Schedule 5A-2, Table 4.2.</p>														
<p>4.3</p>	<p>Provide the total annual forecast revenue requirement of the project over the ten-year rate stability period (using fully allocated OM&A costs) and rate base amount at the end of year ten.</p> <p>Complete the tables below:</p> <p>Revenue Requirement</p> <table border="1" data-bbox="370 1243 1404 1312"> <thead> <tr> <th>Description</th> <th>Year 1</th> <th>Year 2...</th> <th>Year 10</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Revenue Requirement</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1" data-bbox="370 1354 886 1423"> <thead> <tr> <th>Description</th> <th>Year 10</th> </tr> </thead> <tbody> <tr> <td>Closing Rate Base</td> <td></td> </tr> </tbody> </table> <p>Where applicable, the inflation rate to be used is the most recent quarter average GDP IPI FDD. For interest during construction, the proponent is to use the OEB-prescribed interest rate for construction work in progress (CWIP).</p> <p>Please refer to Schedule 5A-2, Table 4.3.</p>	Description	Year 1	Year 2...	Year 10	Total	Revenue Requirement					Description	Year 10	Closing Rate Base	
Description	Year 1	Year 2...	Year 10	Total											
Revenue Requirement															
Description	Year 10														
Closing Rate Base															

Part V – Section 36.2 Funding	
5.1	<p>Provide the total amount of section 36.2 funding needed to support the project.</p> <p>\$8,373,365</p> <p>Please refer to Schedule 5A-2, Table 5.1.</p>
5.2	<p>Provide the section 36.2 funding amount per customer number served in year ten of the project.</p> <p>\$19,842</p> <p>Please refer to Schedule 5A-2, Table 5.2.</p>
5.3	<p>Provide the section 36.2 funding amount per volume (m³) in year ten of the project.</p> <p>\$4.37</p> <p>Please refer to Schedule 5A-2, Table 5.3.</p>

Part VI – Distribution Charge	
6.1	<p>Provide the estimated amount that the proponent proposes to recover from residential customers on an annual basis (inclusive of any system expansion surcharge) in the form of an estimated annual distribution charge inclusive of fixed and variable charges over the rate stability period.</p> <p>Provide a confirmation that there would be no material cross-subsidization between rate classes.</p> <p>Please refer to Schedule 5A-2, Table 6.1.</p> <p>Enbridge Gas confirms that there will be no material cross-subsidization between rate classes.</p>

Part VII – Profitability Index / Benefit to Cost Ratio	
7.1	<p>Provide, in a summary table, the expected Profitability Index (PI) of the project, inclusive of the proposed section 36.2 funding. Provide any major assumptions used in the calculation, and specify all proposed section 36.2 funding, revenue from rates (including any proposed system expansion surcharges), capital contributions and municipal tax holidays or other municipal financial support.</p> <p>The project must have a PI of 1.0. The PI is to be calculated based on an individual project (i.e., not a “portfolio” of projects).</p> <p>Please refer to Schedule 5A-2, Table 7.1.</p>
7.2	<p>Provide, in a summary table that otherwise meets the requirements of section 7.1, the expected PI of the project without the proposed section 36.2 funding.</p> <p>Please refer to Schedule 5A-2, Table 7.2.</p>

Part VIII – OEB Approvals	
8.1	<p>Identify any OEB approvals that will be required for the project (Leave to Construct, Certificate of Public Convenience and Necessity, Municipal Franchise Agreement, Rate Order).</p> <ul style="list-style-type: none"> • Leave to Construct
8.2	<p>For OEB approvals identified in section 8.1, provide a schedule for applying for them and the date by which each of these approvals is required to meet the proposed in-service date. For this purpose, proponents should reference the performance standards posted on the OEB’s website and where applicable assume a written hearing process.</p> <p>Please refer to Schedule 5A-4.</p>

Schedule 5A-1
Enbridge Gas Community Expansion Project Proposal
East Gwillimbury (North)

East Gwillimbury



Schedule 5A-2
Enbridge Gas Community Expansion Project Proposal
East Gwillimbury (North)

Community Expansion **East Gwillimbury (North and East)**
InService Date: Nov-01-2023

EB-2019-0255
 Schedule 5A-2

Table 3.2 - Customer Attachments Over The Rate Stability Period

<u>Customer Type</u>	<u>Firm / IT</u>	<u>Project Year</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>Total</u>
Residential	Firm		106	94	35	25	20	24	21	24	22	20	391
Commercial	Firm		-	10	3	2	2	2	-	-	-	-	19
Institutional	Firm		-	-	-	-	-	-	-	-	-	-	-
Agricultural	Firm		-	2	1	-	-	-	-	-	-	-	3
Industrial	Firm		-	3	2	2	1	1	-	-	-	-	9
Total Customers			106	109	41	29	23	27	21	24	22	20	422
Cumulative Customers			106	215	256	285	308	335	356	380	402	422	

Table 3.3 - Annual and Cumulative Volumes Over The Rate Stability Period (m3)

<u>Customer Type</u>	<u>Project Year</u>	<u>Annual Volumes - m3</u>										<u>Total</u>
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	
Residential		127,200	367,200	522,000	594,000	648,000	700,800	754,800	808,800	864,000	914,400	6,301,200
Commercial		-	18,400	41,700	50,300	57,700	65,100	68,800	68,800	68,800	68,800	508,400
Institutional		-	-	-	-	-	-	-	-	-	-	-
Agricultural		-	11,200	27,400	32,400	32,400	32,400	32,400	32,400	32,400	32,400	265,400
Industrial		-	150,000	400,000	600,000	750,000	850,000	900,000	900,000	900,000	900,000	6,350,000
Total Volumes		127,200	546,800	991,100	1,276,700	1,488,100	1,648,300	1,756,000	1,810,000	1,865,200	1,915,600	13,425,000

<u>Customer Type</u>	<u>Project Year</u>	<u>Cumulative Volumes - m3</u>									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
Residential		127,200	494,400	1,016,400	1,610,400	2,258,400	2,959,200	3,714,000	4,522,800	5,386,800	6,301,200
Commercial		-	18,400	60,100	110,400	168,100	233,200	302,000	370,800	439,600	508,400
Institutional		-	-	-	-	-	-	-	-	-	-
Agricultural		-	11,200	38,600	71,000	103,400	135,800	168,200	200,600	233,000	265,400
Industrial		-	150,000	550,000	1,150,000	1,900,000	2,750,000	3,650,000	4,550,000	5,450,000	6,350,000
Total Volumes		127,200	674,000	1,665,100	2,941,800	4,429,900	6,078,200	7,834,200	9,644,200	11,509,400	13,425,000

Table 4.2 - Total Capital Costs At End Of The Rate Stability Period

Total Capital Costs	<u>Year 10</u>	<u>\$ 15,563,359</u>
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Table 4.3 - Revenue Requirement Over The Rate Stability Period

	<u>Project Year</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>Total</u>
Revenue Requirement		<u>\$ 276,531</u>	<u>426,092</u>	<u>484,644</u>	<u>510,043</u>	<u>528,028</u>	<u>546,525</u>	<u>561,208</u>	<u>574,164</u>	<u>587,192</u>	<u>598,549</u>	<u>\$ 5,092,975</u>
Closing Rate Base (net of proposed Section 36.2 funding)	<u>Year 10</u>	<u>\$ 5,894,940</u>										

Community Expansion **East Gwillimbury (North and East)**
InService Date: Nov-01-2023

EB-2019-0255
 Schedule 5A-2

Table 5.1 - Total Amount of Section 36.2 Funding

Section 36.2 Funding Needed to Support the Project \$ 8,373,365

Table 5.2 - Section 36.2 Funding Amount Per Customer Served

Section 36.2 Funding Amount Per Customer Served \$ Year 10
19,842

Table 5.3 - Section 36.2 Funding Amount Per Volume (m3)

Section 36.2 Funding Amount Per Volume (m3) \$ Year 10
4.37

Table 6.1 - Distribution Charge

	<u>Project Year</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>Total</u>
Distribution Revenue	\$	22,289	79,156	128,589	154,902	174,239	190,835	203,969	213,431	223,104	231,935	\$ 1,622,449
SES Revenue		29,256	125,764	227,953	293,641	342,263	379,109	403,880	416,300	428,996	440,588	3,087,750
Total Distribution Charge	\$	<u>51,545</u>	<u>204,920</u>	<u>356,542</u>	<u>448,543</u>	<u>516,502</u>	<u>569,944</u>	<u>607,849</u>	<u>629,731</u>	<u>652,100</u>	<u>672,523</u>	\$ <u>4,710,199</u>

Table 7.1 - Profitability Index (PI) Inclusive of Section 36.2 Funding

	<u>Net Present Value</u>
<u>Cash Inflow</u>	
Revenue:	
Distribution Revenue	\$ 3,404,443
System Expansion Surcharge (SES) Revenue	5,952,927
Total Revenue (A)	<u>9,357,370</u>
Expenses:	
O&M Expense	(494,167)
Municipal Tax	(1,090,785)
Income Tax	<u>(1,005,611)</u>
Total Expenses (B)	<u>(2,590,563)</u>
Total Cash Inflow (C = A + B)	\$ 6,766,807
<u>Cash Outflow</u>	
Gross Capital	(15,141,011)
Proposed Section 36.2 Funding	8,373,365
Change in Working Capital	840
Total Cash Outflow (D)	<u>\$ (6,766,807)</u>
Profitability Index (PI) Inclusive of Section 36.2 Funding (C / D)	<u>1.00</u>

Community Expansion **East Gwillimbury (North and East)**
InService Date: Nov-01-2023

EB-2019-0255
 Schedule 5A-2

Table 7.2 - Profitability Index (PI) Without Section 36.2 Funding

	<u>Net Present Value</u>
<u>Cash Inflow</u>	
Revenue:	
Distribution Revenue	\$ 3,404,443
System Expansion Surcharge (SES) Revenue	<u>5,952,927</u>
Total Revenue (A)	9,357,370
Expenses:	
O&M Expense	(494,167)
Municipal Tax	(1,090,785)
Income Tax	<u>284,198</u>
Total Expenses (B)	(1,300,753)
Total Cash Inflow (C = A + B)	\$ 8,056,616
<u>Cash Outflow</u>	
Gross Capital	(15,141,011)
Change in Working Capital	<u>840</u>
Total Cash Outflow (D)	<u>\$ (15,140,172)</u>
Profitability Index (PI) Without Section 36.2 Funding (C / D)	<u>0.53</u>

Schedule 5A-3
Enbridge Gas Community Expansion Project Proposal
East Gwillimbury (North)

Section 3.4 East Gwillimbury (North and East)

Total Forecasted Customers 422 Penetration Rate 65%

Existing Fuel / Heating Type	Number of Customers	Current proportion of customer ¹	Estimated Conversion Cost ²	Estimated Annual Energy Costs (existing fuel)	Estimated Annual Energy Costs (natural gas)	Estimated Annual Savings per customer	Estimated Annual Savings	Estimated Annual GHG per customer Existing Fuel (tCO2e)	Estimated Annual GHG Change (increased GHG is +ve/decreased GHG is -ve) per customer switching to natural gas (tCO2e)	Estimated Annual GHG - Total Community - Existing Fuel (tCO2e)	Estimated Annual GHG Change (increased GHG is +ve/decreased GHG is -ve) total community switching to natural gas (tCO2e)
Oil	89	21%	\$ 5,000	\$ 3,050	\$ 1,481	\$ 1,570	\$ 139,111	7.2	-2.7	636	(237)
Electricity F/A	38	9%	\$ 5,000	\$ 2,187	\$ 1,481	\$ 706	\$ 26,831	0.6	3.9	22	149
Electricity Baseboard	51	12%	\$ 12,000	\$ 2,187	\$ 1,481	\$ 706	\$ 35,775	0.6	3.9	30	198
Propane	186	44%	\$ 600	\$ 1,764	\$ 1,481	\$ 283	\$ 52,608	5.6	-1.1	1,038	(202)
Wood	38	9%	\$ 3,500	N/A	N/A	\$ -	N/A	NA	NA	NA	NA
Other	21	5%	\$ 5,000	N/A	N/A	\$ -	N/A				
Total	422	100%	\$ 31,100	\$ 9,188	\$ 5,923	\$ 3,266	\$ 254,325	13.9	4.1	1,725	(92)

¹ Fuel shares were estimated based on the average fuel share distribution observed in other potential expansion areas. Specifically, the fuel share distribution from 27 prospective expansion areas surveyed in 2018 and 2020 were averaged, with weights based number of homes in each area. Fuel percentages may not add up to 100% due to rounding error.

² Based on Market Research gathered information. All of the costs are installed costs, so the cost of new equipment + the cost of having it installed.

	Emission Factors				
	CO2	CH4	N2O	CO2e	Units
Natural Gas	1863 g/m3	0.037 g/m3	0.035 g/m3	0.001874355 tonnes/m3	
Heating Oil	2725 g/L	0.006 g/L	0.031 g/L	0.002734388 tonnes/L	
Propane	1510 g/L	0.024 g/L	0.108 g/L	0.001542784 tonnes/L	
Electricity	30 g/kWh	-	-	0.00003 tonnes/kWh	
Wood	-	-	-	-	-

Emission Factor Sources:

Natural gas, heating oil and propane CO2 factors: Guideline for Quantification, Reporting and Verification of GHG Emissions - Ontario Ministry of Environment, Conservation and Parks

Natural gas, heating oil and propane CH4 and N2O factors: Canada's Greenhouse Gas Quantification Requirements, December 2019 - Environment and Climate Change Canada

Electricity factors: 2020 National Inventory Report (Part 3) - Environment and Climate Change Canada (using 2018 consumption intensity for Ontario)

Estimated Annual GHG (tCO2e) = Emission Factors x Consumption Equivalent

Estimated Annual GHG Change (tCO2e) = Estimated Annual GHG For Natural Gas - Estimated Annual GHG For Existing Fuel (tCO2e)

Rate 1 (Community Expansion, Non-FN)					
Consumption Equivalent			Price per Unit		
Gas	m3	2400	Gas (incl. fixed)	\$/m3	0.617
Heating oil	L	2623	Heating oil	\$/L	1.163
Electricity	kWh	19460	Electricity	\$/kWh	0.112
Propane	L	3622	Propane	\$/L	0.487

Notes:

Gas prices correspond to EGI (EGD) April 2020 rates, including 23 cents per m³ SES charge

Heating Oil Prices correspond to the latest available Toronto retail prices (February 2019)

Electricity prices correspond to Hydro One (Med Density - R1) distribution rates implemented January 1, 2020 and includes the new Ontario Electricity Rebate (OER)

The calculated annual savings vs electricity do not reflect the COVID-19 Emergency pricing which is effective for 45 days

Propane prices correspond to the latest available monthly average EDPRO residential rates for Zone 4 (March 2020)

Carbon price is included for all energy types as reported. All costs exclude HST.

Schedule 5A-4
Enbridge Gas Community Expansion Project Proposal
East Gwillimbury (North)

Schedule 5A-5
Enbridge Gas Community Expansion Project Proposal
East Gwillimbury (North)



Town of
East Gwillimbury

Mike Molinari, P.Eng.

General Manager
Community Infrastructure & Environmental Services
905-478-3814
mmolinari@eastgwillimbury.ca

June 4, 2020

EB-2019-0255
Schedule 5A-5

Steve McGivery – Director GTA East Operations
ENBRIDGE GAS INC.
Technology & Operations Centre
101 Honda Blvd. Markham, Ontario L6C 0M6

Dear Regional Director:

Re: Expression of Support for Natural Gas Expansion to the Town of East Gwillimbury

In December 2019, the Government of Ontario announced plans to further increase access to natural gas by making financial support available for new service expansion projects. This Natural Gas Expansion Program will unlock financial support needed to expand natural gas service to new areas across Ontario that are not economically feasible without support. Our municipality is one such area, and we are eager to bring this affordable, reliable fuel source to our residents and businesses.

On behalf of the Town of East Gwillimbury, I would like to formally express our interest to have unserved areas in East Gwillimbury West and East Gwillimbury North, as outlined for Enbridge, included on Enbridge Gas' list of projects being proposed to the Ontario Energy Board (OEB) for consideration for financial support through the Natural Gas Expansion Program.

Based on the Guidelines issued by the OEB (EB-2019-0255), we are aware that Enbridge Gas Inc. may include support for the proposed project from Band Council(s) and/or local government, as applicable, demonstrated through a written expression of support and/or a commitment to financial support in its project submissions.

Natural gas is the most common, affordable heating fuel in Ontario. We fully support the efforts of Enbridge Gas Inc., the OEB and the Ministry of Energy, Northern

Development and Mines. We look forward to working together to expand natural gas access in our community to attract new opportunities, help create jobs and lower monthly costs for our residents.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Molinari". The signature is fluid and cursive, with a horizontal line extending from the end of the name.

Mike Molinari, P.Eng.
General Manager,
Community Infrastructure & Environmental Services

MM/cm

cc: Mark Wilson
Sr. Advisor, Municipal & Stakeholder Relations

Schedule 5A-6
Enbridge Gas Community Expansion Project Proposal
East Gwillimbury (North)

F.B.C. 108

IN THE MATTER OF The Municipal Franchises Act, Chapter 249 R. S. O. 1950 Section 8 as amended, and

EB-2019-0255
Schedule 5A-6

IN THE MATTER OF an Application by The Consumers' Gas Company of Toronto for a certificate of public convenience and necessity to construct works and to supply natural gas to the inhabitants of the Township of East Gwillimbury in the County of York

B E F O R E:

A. R. Crozier, Chairman } Monday, the 10th
W. R. Howard, Commissioner } day of June, 1957.

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

UPON THE APPLICATION of The Consumers' Gas Company of Toronto (hereinafter referred to as the "Applicant") for a certificate pursuant to the provisions of The Municipal Franchises Act, R. S. O. 1950 Chapter 249 and amendments thereto and upon the hearing of such application by the Board in the City of Toronto on the 10th day of June, 1957, after due notice of such hearing had been given as directed by the Board, in the presence of Counsel for the Applicant, no one else appearing, upon consideration of the evidence and exhibits produced at the hearing and upon hearing what was alleged by Counsel aforesaid,

- 1. THIS BOARD BOTH ORDER THAT a Certificate of Public Convenience and Necessity be and the same is hereby granted to The Consumers' Gas Company of Toronto for the supply of natural gas to the inhabitants of the Township of East Gwillimbury and for the construction of the works necessary therefor.**
- 2. The Board fixes the costs of this Application at \$10.00 payable forthwith by the Applicant.**

DATED at Toronto this 24th day of June 1957.

ONTARIO FUEL BOARD

.....
Chairman

.....
Commissioner

**IN THE MATTER OF The Municipal
Franchises Act, Chapter 249
R. S. O. 1950 Section 8 as
amended, and**

**IN THE MATTER OF an Application
by The Consumers' Gas Company of
Toronto for a certificate of public
convenience and necessity to
construct works and to supply
natural gas to the inhabitants of
the Township of East Gwillimbury
in the County of York**

**CERTIFICATE OF PUBLIC CONVENIENCE
AND NECESSITY**

**ZIGERMAN, HAYWOOD & TURVILLE
111 Richmond Street West,
TORONTO, Ontario.**

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1, Attachment 4, Pages 1-5

Preamble:

Enbridge Gas conducted surveys of potential residential customers to gauge interest in natural gas distribution service and conversion within the Project area. Enbridge Gas retained Forum Research, a third-party research supplier, to conduct surveys by telephone, online and in-person of potential residential customers in the Project area between May 23 and June 23, 2023. A total of 161 surveys were completed from a list of 460 homeowners, yielding a +/- 6.2% margin of error at the 95% confidence level. The level of completes represents a 35% response rate.

Question(s):

- a) Please compare the response rate for the East Gwillimbury Community Expansion Project to response rates in recent market surveys for other Enbridge Gas Phase II community expansion projects.
- b) Since the completion of the market research survey in June 2023, has Enbridge Gas obtained any additional information on the interest for switching to natural gas service as part of this community expansion project? Please provide any additional information.

Response:

- a) As described in the Company's pre-filed evidence at Exhibit B, Tab 1, Schedule 1, Attachment 4, the response rate was 35% based on a list of 460 properties identified for surveying. Surveys have not been completed for every community selected for funding in the second phase of the NGEP. Among 18 Phase 2 communities surveyed by Forum Research (primarily in 2022 and 2023), the response rates ranged from 13% to 56%, with an average response rate of 39%. Accordingly, the response rate for the East Gwillimbury Project is similar to the average for Phase 2 communities surveyed to date.

- b) Yes, Enbridge Gas began customer outreach in the community in March of 2024 which consisted of door-to-door engagement with residents, and a customer information session (kiosk). Since the start of outreach, Enbridge Gas has received 74 expressions of interest from residents in the community and 43 natural gas applications to date.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1, Pages 6-7, including Table 2
Exhibit B, Tab 1, Schedule 1, Attachment 4, Page 2

Preamble:

In June 2021, the proposed East Gwillimbury Community Expansion Project was approved to receive funding assistance as part of Phase 2 of the Government of Ontario's Natural Gas Expansion Program (NGEP). Among other things, the NGEP proposal assumed 422 customer attachment over the 10 year rate stability period.¹

From May to June 2023, Enbridge Gas retained Forum Research to conduct surveys of potential customers by telephone, online and in-person. Forum Research's results indicate that 76% of respondents would likely convert to natural gas if it were made available. Of those likely to convert, approximately 82% indicated that they would convert within 1 year of natural gas service becoming available and 16% indicated they would convert within 1-2 years of natural gas service becoming available.

The East Gwillimbury Community Expansion Project is proposed to go into service in stages between November 2024 and March 2025. The table below shows annual forecasted attachments over ten years, beginning in 2025. Enbridge Gas forecasted 369 customer attachments by the tenth year of the project.

Table 2: Forecasted Customer Attachments for the Project

East Gwillimbury Customer Additions	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total Forecasted
Residential Units (Singles)	84	52	51	34	34	18	18	18	18	17	344
Agricultural Units	0	5	1	0	0	0	0	0	0	0	6
Commercial/Industrial Units	2	8	4	3	2	0	0	0	0	0	19
Total	86	65	56	37	36	18	18	18	18	17	369

¹ EB-2019-0255, East Gwillimbury Schedule 5A-2, Table 3.2

Question(s):

- a) Please discuss the method and data Enbridge Gas used to forecast 369 residential attachments in the community of East Gwillimbury over ten years.
- b) What is the assumed capture rate of the forecast attachments by the end of the tenth year?
- c) Please discuss any anticipated potential delays that may affect the construction schedule for the Project or achieving the forecast number of customer attachments in the first and second year.
- d) Please describe in detail Enbridge Gas's outreach activities, plans and/or programs to ensure that the customer attachments will be realized as forecasted.
- e) Please comment on differences in forecasted number of customer attachments Enbridge Gas provided in the project proposal approved for funding in Phase 2 of the NGEF process and the project subject to this application.
- f) Please provide a comparison of the actual customer attachments relative to the LTC forecasted customer attachments to date for all of Enbridge Gas's Phase 2 NGEF supported community expansion projects that are already in service.

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the forecasted customer attachments for the Project have been updated from 369 to 263 total forecasted customers.

- a) Municipal Property Assessment Corporation (MPAC) data was used to establish the basis for the forecast and to designate property types such as commercial or industrial. Field visits were subsequently conducted to confirm addresses within the proposed Project scope and verify desktop category assumptions where applicable. Further, Enbridge Gas retained Forum Research to conduct surveys of potential customers in 2023, results of which yielded a 76% attachment rate for existing residential properties and small commercial properties. This percentage was applied to the total number of existing residential properties within the scope of the Project resulting in a forecast of 369 customers. Enbridge Gas further applied a conservative reduction of approximately 30% to the residential customer forecast (resulting in 263 total forecasted customers) to account for the particularly long services required to attach customers in this specific Project area and the associated Extra Length Charge (ELC) per meter, which has increased since this Application

was originally filed.² Please see the response to Exhibit I.STAFF-10 part b) for details on how the 30% reduction estimate was established.

- b) At the end of the ten-year period, the overall assumed capture rate for the Project is approximately 53%.
- c) Enbridge Gas does not anticipate any delays to the updated construction schedule for the Project filed on August 30, 2024, at Exhibit D, Tab 2, Schedule 1. Enbridge Gas believes that the updated attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased ELC.
- d) Enbridge Gas's Customer Attachment team began customer outreach in March 2024 and will continue throughout the Project lifecycle. Outreach activities to date include customer information sessions (Kiosks) hosted on March 25-26, 2024, in addition to digital/social marketing campaigns, and individual one-on-one conversations at residents' homes upon request or by means of door-to-door engagement activities. These outreach activities provide customers the opportunity to ask personalized questions unique to their individual circumstances. Customers can share their energy consumption from previous years to obtain cost comparisons and potential savings by assuming equivalent consumption had they been on natural gas. Enbridge Gas expects to conduct additional customer attachment events/sessions throughout Project construction and execution in coordination with the Municipality and the community.
- e) The Company's customer attachment forecast provided in the original project proposal approved for NGEF Phase 2 funding was developed based on a table-top estimate and desktop information available at the time. As discussed in the response to part a) above, customer count information relied solely upon MPAC data and municipal/community address extracts to establish the basis for the forecast and to designate property types (e.g., residential, commercial or industrial), which the forecast was subsequently adjusted (including through field visits, scope refinement, market research, and more recently, ELC calibration). The totality of these adjustments have led to the currently forecasted number of customers for the Project of 263 (as compared to 422 customers in the original NGEF project proposal). Please refer to Exhibit I.STAFF-11 part b) for an explanation of the pipe length reduction included in this Application compared to the NGEF project proposal that also contributed to a reduction in forecasted number of attachments.
- f) Please see Table 1 for a comparison of the actual customer attachments relative to the LTC forecasted customer attachments to date for all of Enbridge Gas's Phase 2 NGEF supported community expansion projects that are already in service.

² EB-2022-0200 Decision and Order, pp 49-50.

Table 1

Forecasted vs. Actual Attachments for In-Service Phase 2 Community Expansion Projects

Line No.	Project Name	Number of 10-year forecasted customers	Actual customer attachment to date*
1	Brunner	44	47
2	Kenora District (Hwy 594)	30	35
3	Stanley's Old Maple Lane Farm	11	13
4	Burks Falls	41	11
5	Haldimand Shores	112	68
6	Selwyn	87	50
7	Hidden Valley	130	70
8	Mohawks of the Bay of Quite	179	82

*As of Oct 13th, 2024 – Actual numbers reported represent services installed. Some services installed have not yet been unlocked by an HVAC service provider in the area.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

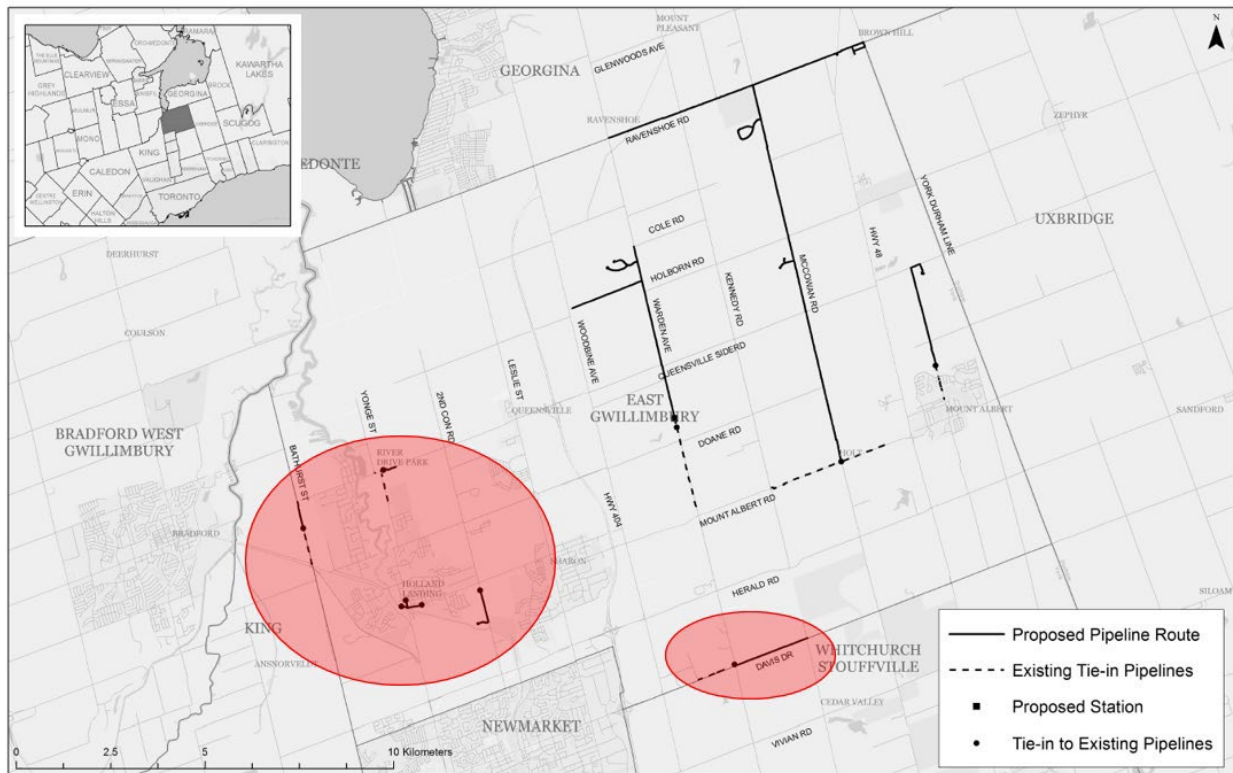
Interrogatory

Reference:

Exhibit A, Tab 2, Schedule 1, Attachment 1

Preamble:

The specific pipeline facilities for which Enbridge Gas is seeking OEB approval through the current application are shown on the following map (emphasis added):



Question(s):

- a) Please provide the total number of potential connecting customers and how many are forecasted to be connected as part of the current application in the red circles above.
- b) What is the cost of the project if the facilities in the red circles are removed?

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the Project Map has been updated from Enbridge Gas's pre-filed evidence at Exhibit A, Tab 2, Schedule 1, Attachment 1 to include the additional pipeline segment, located along Yonge Street, that was omitted from the original Environmental Report scope.

- a) Sections 1-5 circled in red have a total potential customer count of approximately 83. Approximately 58 customers are forecasted to connect within these red circled areas. Please see the response at Exhibit 1.FRPO-4, part a) for the forecast breakdown by pipeline section.
- b) As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the estimated costs for the Project have been updated from Enbridge Gas's pre-filed evidence at Exhibit E, Tab 1, Schedule 1, Table 1. The red circled areas include Sections 1-5, totaling \$3.6 million for planning and execution of the mains. Please see the response at Exhibit 1.PP-2, part d) for the estimated cost per pipeline section. The total Project cost without these sections would be \$9.4 million excluding any associated impact to the attachment forecast from the scope reduction (\$13.0 million minus \$3.6 million).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1, Page 7
Exhibit E, Tab 1, Schedule 1, Page 2
Exhibit H, Tab 1, Schedule 1, Attachment 3, Page 3-4
EB-2019-0255, East Gwillimbury Schedule 5A-2

Preamble:

Enbridge Gas submitted its East Gwillimbury project proposal for NGEP funding in November 2020.¹

On July 7, 2023, Enbridge Gas notified the MOE of a change in the scope of the East Gwillimbury Community Expansion Project.²

On November 28, 2023, Enbridge Gas filed its application seeking leave to construct (LTC) the East Gwillimbury Community Expansion Project. Enbridge Gas also stated that the cost estimate set out above is lower than the amount estimated original project proposal under Phase 2 of the NGEP by approximately \$820,000. The cost variance is primarily attributed to a reduction in forecasted large volume industrial customers and the identification of a more constructible scope route that bypasses the Highway 404 extension plans and minimizes significant water course crossings and areas with anticipated high-water table.

OEB staff prepared the table below, which compares the NGEP proposal to the LTC application in terms of pipeline lengths, 10-year customer forecast, and capital costs.

¹ EB-2019-0255

² H-1-1 Attachment 3, page 1 (dated July 7, 2023)

Comparison of NGEP Proposal, Ministry Update and LTC Application

	NGEP Proposal	Update to Ministry of Energy	LTC Application
Customer Forecast	422		369
Penetration rate	65%		76% ³
NPS 2 PE (km)	23.95	27.0	27.0
NPS 4 PE (km)	6.187	10.3	10.1
NPS 2 Steel (km)	0	0	0.115
NPS 4 Steel (km)	0	0	0.06
Total Length (km)	30.137	37.3	37.355
Total Capital Cost	Redacted		\$14,743,806
NGEP Funding	\$8,373,365		\$8,373,365
Net Capital Cost	Redacted		\$6,370,441

Question(s):

- a) Please confirm that the summary information provided in the table above is correct. If not, please identify and correct any errors.
- b) Please confirm that matters relating to the appropriate net capital amount to be included in rate base is properly addressed in Enbridge Gas's next rebasing proceeding. Otherwise, please explain.
- c) Please discuss why the scope was updated with steel pipelines in the LTC application but was not included in the NGEP proposal and update to the Ministry of Energy.
- d) Please discuss how the project went from 422 customers forecasted to connect to 369 customers forecasted to connect (65% and 76% penetration rates respectively), while the pipeline length increased from approximately 30 km to 37 km.

Response:

- a) See the response to Exhibit I.STAFF-11 part a).
- b) 1Confirmed. The appropriate net capital forecast to be included in rate base will be addressed in the next rebasing proceeding. The final capital costs to be included in rate base will be determined at the rebasing application following the end of the 10-year rate stability period for the Project.

³ Based on Forum Research, 76% of respondents overall are likely (extremely likely, very likely or likely) to connect to natural gas.

- c) The NGEF proposal focused on high-level pipe lengths, materials and associated pressures to support the capacity of the proposed customer additions for the new infrastructure. At that time, the Project scope was proposed to consist of polyethylene (PE) pipe only. During the planning and design stage, more granularity on the tie-in and proposed station locations was pursued. Steel pipe was added to the Project scope presented in the LTC application to capture the small amount of steel pipe required to connect the new stations to the existing steel facilities.
- d) See the response to Exhibit I.STAFF-11 part b).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit F, Tab 1, Schedule 1, Page 6

Preamble:

A Cultural Heritage Checklist was completed that recommended a “Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment” (Existing Conditions Report) be completed for the East Gwillimbury Community Expansion Project. Enbridge Gas stated that it will complete the report and submit it to the Ministry of Citizenship and Multiculturalism (MCM) for acceptance prior to construction.

A Stage 1 Archaeological Assessment (AA) was completed in August 2023. As of September 1, 2023, the report was still being reviewed by the MCM. A Stage 2 AA will be completed based on the recommendations from the Stage 1 AA and will be submitted to the MCM for acceptance prior to construction. Any mitigation measures or recommendations for construction from the Stage 2 AA will be outlined in the site-specific Environmental Protection Plan.

Question(s):

a) Please provide an update on the Existing Conditions Report.

Please provide an update on the need for any Stage 2 and 3 AAs.

Response:

As noted in the cover letter to Enbridge Gas’s evidence update filed August 30, 2024, the Environmental Report (ER) Amendment for the Project has been added to Enbridge Gas’s pre-filed evidence at Exhibit F, Tab 1, Schedule 1, Attachment 3.

a) A Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment (CHRECPIA) was completed by TMHC in March 2024 for the Project and was updated to include the Yonge Street segment addressed in the ER Amendment in May/June 2024. The CHRECPIA was submitted to the Ministry of Citizenship and Multiculturalism (MCM) for review on June 26, 2024. No response from the MCM

has been received regarding the CHRECPIA, to date. The CHRECPIA Report can be found in Appendix F of the ER Amendment. Enbridge Gas expects the CHRECPIA will be reviewed by the MCM before construction commences and will adhere to any recommendations within the report to protect cultural heritage resources.

- b) The Stage 1 Archaeological Assessment (AA) recommended the need for a Stage 2 AA in certain portions of the Preferred Route. The Stage 2 AA field work was completed in November 2023. Preliminary results from the Stage 2 AA fieldwork indicate that Stage 3 AA will not be required. Once completed, the Stage 2 AA Report will be submitted to the MCM for review and acceptance into the Ontario Public Register of Archaeological Reports before construction commences. Archaeological assessment of the additional segment along Yonge Street was captured by a previously completed Stage 1 AA, which did not recommend any further AA in EGI's PR component in the area.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit F, Tab 1, Schedule 1, Attachment 1
Environmental Report (East Gwillimbury), Appendix G -1

Preamble:

A link was provided in the application to the Environmental Report as
<https://www.enbridgegas.com/about-enbridge-gas/projects/east-gwillimbury>

The referenced attachment provides an Ontario Pipeline Coordinating Committee (OPCC) Environmental Report Consultation Log.

Question(s):

- a) The link is not to the Environmental Report, please updated the link.
- b) Please provide any updates to the OPCC Consultation Log since the time that the application was filed.

Response:

- a) The Environmental Report (ER), OPCC Update Letter and ER Amendment can be found on the Project webpage¹ at the links below:

[Environmental Report](#)

[OPCC Update Letter](#)

[ER Amendment](#)

- b) As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, an ER Amendment has been filed at Exhibit F, Tab 1, Schedule 1, Attachment 3. An up-to-date stakeholder and OPCC comments/correspondence log can be found in Appendix C of the ER Amendment.

¹ <https://www.enbridgegas.com/ontario/new-customers/community-expansion/east-gwillimbury>

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit H, Tab 1, Schedule 1, Page 1

Preamble:

Enbridge Gas contacted the Ministry of Energy (MOE) about the East Gwillimbury project in September 2022. Enbridge Gas received a Delegation Letter from the MOE in December 2022, which indicated that the MOE had delegated the procedural aspects of consultation to Enbridge Gas for the Project. The Delegation Letter identified nine Indigenous communities to be consulted.

Enbridge Gas notified the MOE of a change in the project scope on July 7, 2023.

Enbridge Gas filed the Indigenous Consultation Report for the Project with the MOE on the same date it filed the application with the OEB (i.e., November 28, 2023). The Indigenous Consultation Report reflects Enbridge Gas's Indigenous engagement activities for the Project up to and including November 14, 2023; however, Enbridge Gas says it will continue to engage throughout the life of the Project.

Enbridge Gas said that it would file with the OEB the MOE's opinion letter regarding the sufficiency of Indigenous consultation on the Project as soon as it is received.

Question(s):

- a) Has Enbridge Gas received the MOE's opinion letter? If so, please file a copy. If not, when does Enbridge Gas anticipate receiving the letter?
- b) Please provide any other updates regarding Indigenous consultation since the time that the application was filed.

Response:

- a) No, Enbridge Gas has not received the MOE's opinion letter on sufficiency. The MOE requires time to review Enbridge Gas's evidence update filed on August 30, 2024 and the responses to interrogatories.

- b) As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the Indigenous Consultation Log has been updated from Enbridge Gas's pre-filed evidence at Exhibit H, Tab 1, Schedule, Attachment 8. Please see Exhibit I.STAFF-12 Attachment 1 for the Indigenous Consultation Log from August 2, 2024 to October 8, 2024.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Exhibit I, Tab 1, Schedule 1, page 1

Preamble:

The OEB has developed standard conditions of approval that are typically imposed in leave to construct approvals.¹ Enbridge Gas stated that it has reviewed these standard conditions and has not identified any additional or revised conditions that it wishes to propose for this project.

The OEB's standard conditions of approval, with minor modifications (underlined) to Conditions 2(b) (ii) and (iv), 7(a), and 7(b) as proposed by OEB staff, are provided below.

Question(s):

- a) Based on a letter from Enbridge Gas regarding a recently approved project², OEB staff has suggested minor modifications (underlined) to Conditions 2(b) (ii) and (iv), 7(a), and 7(b) to better reflect the intent of those conditions. Please confirm if Enbridge Gas agrees with OEB staff's suggested minor modifications.
- b) If Enbridge Gas does not agree with any of the conditions of approval set out below, please identify the specific conditions that Enbridge Gas disagrees with. Explain the rationale for disagreement and for any proposed changes or amendments.

¹ Standard conditions of approval are included in Schedule 1 of the OEB's standard issues list for leave to construct applications: <https://www.oeb.ca/sites/default/files/issues-list-LTC-natural-gas.pdf>

² Enbridge Gas January 12, 2024 letter providing notification of planned in-service date - Mohawks of the Bay of Quinte Community Expansion Project (EB-2022-0248)

Application under Section 90(1) of the OEB Act
Enbridge Gas Inc.
EB-2023-0343
DRAFT
Standard Conditions of Approval

1. Enbridge Gas Inc. shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2023-0343 and these Conditions of Approval.
2. (a) Authorization for leave to construct shall terminate 12 months after the decision is issued unless construction has commenced prior to that date.
(b) Enbridge Gas Inc. shall give the OEB notice in writing:
 - i. of the commencement of construction, at least 10 days prior to the date construction commences
 - ii. of the planned in-service start date, at least 10 days prior to the date the facilities begin to go into service
 - iii. of the date on which construction was completed, no later than 10 days following the completion of construction
 - iv. of the full project in-service date, no later than 10 days after all the facilities go into service
3. Enbridge Gas Inc. shall obtain all necessary approvals, permits, licences, certificates, agreements and rights required to construct, operate and maintain the Project.
4. Enbridge Gas Inc. shall implement all the recommendations of the Environmental Report filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.
5. Enbridge Gas Inc. shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Enbridge Gas Inc. shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.
6. Concurrent with the final monitoring report referred to in Condition 7(b), Enbridge Gas Inc. shall file a Post Construction Financial Report, that provides a variance analysis of project cost, schedule and scope compared to the estimates filed in this proceeding, including the extent to which the project contingency was utilized.

Enbridge Gas Inc. shall also file a copy of the Post Construction Financial Report in the proceeding where Enbridge Gas Inc. proposes to start collecting revenues

associated with the Project.

7. Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB one electronic (searchable PDF) version of each of the following reports:
 - (a) A post construction report, within three months of the full project in-service date, which shall:
 - i. provide a certification, by a senior executive of the company, of Enbridge Gas Inc.'s adherence to Condition 1
 - ii. describe any impacts and outstanding concerns identified during construction
 - iii. describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction
 - iv. include a log of all complaints received by Enbridge Gas Inc., including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions
 - v. provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licenses, and certificates required to construct, operate, and maintain the proposed project
 - (b) A final monitoring report, no later than fifteen months after the full project in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:
 - i. provide a certification, by a senior executive of the company, of Enbridge Gas Inc.'s adherence to Condition 4
 - ii. describe the condition of any rehabilitated land
 - iii. describe the effectiveness of any actions taken to prevent or mitigate any identified impacts of construction
 - iv. include the results of analyses and monitoring programs and any recommendations arising therefrom
 - v. include a log of all complaints received by Enbridge Gas Inc., including the date/time the complaint was received; a description of the complaint; any actions taken to address the complaint; and the rationale for taking such actions
8. Enbridge Gas Inc. shall designate one of their employees as project manager who will be the point of contact for these conditions, and shall provide the employee's name and contact information to the OEB and to all affected landowners, and shall clearly post the project manager's contact information in a prominent place at the construction site.

Response:

- a) Enbridge Gas agrees with the OEB staff's suggested minor modifications to conditions 2(b) (ii) and (iv), 7(a), and 7(b).
- b) Enbridge Gas agrees with all of the conditions of approval set out above.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Updated Evidence, Exhibit B, Tab 1, Schedule 1, pg 7
EB-2022-0200, Decision and Order, December 21, 2023, pg 50

Preamble:

On August 30, 2024, Enbridge Gas filed an updated Application that included, amongst other things, updates to its Environmental Report, customer forecasts, and cost estimates (Updated Application). This was an update from the previous Application that was filed on November 28, 2023 (Original Application).

In Enbridge's rebasing application, Enbridge Gas proposed a harmonized service length threshold of 20 metres that would be provided free of charge for infill service connections, and an updated Extra Length Charge (ELC) of \$159 per additional metre across all franchise areas, and requested approval of this charge. In the OEB's Decision and Order, the OEB approved the proposed ELC of \$159 per meter beyond the first 20 meters for use in 2024.¹

Enbridge Gas updated the customer attachment forecast to account for long services in this specific Project area and the associated ELC per meter, which was increased since the market research survey was conducted.

Enbridge Gas updated its forecast to a total of 263 customers from 369 customers in the Original Application.

Question(s):

- a) Under the Original Application, without the increased ELC, were customers required to pay for longer services?
 - i. Under what conditions were customers not required to pay extra for their service connection?
 - ii. Please compare the charges assumed in the Original and the Updated Application?

- b) Please provide further discussions for a 106 (~29%) customer decrease compared to the Original Application.
 - i. Does EGI attribute the decrease to the ELC cost deterring customers from connecting?
 - ii. How was the updated customer connection number forecasted? Was a study/ survey completed to determine the updated customer forecast? If yes, please provide the study/ survey.

- c) Please provide and compare the number of forecasted customers in the project area requiring greater than 20 meters of service (i.e. when a ELC is required) in the Original Application and the Updated Application?
 - i. Please provide and compare the average cost the ELC for these set of customers in the Original and Updated Application.

- d) Please provide a detailed discussion on how the updated route was selected.

- e) How many potential customers are there in the project area?
 - i. What is the penetration rate of the project area?

- f) For Natural Gas Expansion Program (NGEP) LTCs that are currently under construction or have been recently constructed and attaching customers, will the ELC also affect connection count in those project areas?
 - i. Will these NGEP LTCs still hold a PI of 1.0?

Response:

- a) Yes.
 - i. Customers with a service length less than 20 m from the property line were not required to pay an extra charge for their service connection.
 - ii. The ELC assumed in the Original Application was \$32 per metre beyond the first 20 m from the property line, based on the ELC at the time. In the Updated Application, the ELC assumed is \$159 per metre beyond the first 20 m, in accordance with the OEB decision in the 2024 Rebasing Phase 1 proceeding.¹

- b) Enbridge Gas's forecast of 369 customers in the Original Application was established using Municipal Property Assessment Corporation (MPAC) data, field

¹ EB-2022-0200 Decision and Order, December 21, 2023, p. 50.

visits and market research. Please see Exhibit I.STAFF-3 parts a) and e) for more information. In the Updated Application, the Company reduced its customer forecast by approximately 30% to account for the number of services that would require an ELC payment higher than the drop-off point historically observed (see sub-part ii. for further details), resulting in a customer attachment forecast of 263.

- i. Higher costs in general can influence a potential customer's willingness to connect to natural gas. In this case, Enbridge Gas decreased the customer forecast for East Gwillimbury to account for a potential reduction in attachments due to the higher total ELC costs expected in this community driven by a higher proportion of long services within the scope of the Project.
- ii. Enbridge Gas developed a model to update the attachment forecast and account for the increased ELC, as described below.

It is difficult to determine a single, definitive ELC drop off point or threshold figure applicable to all customers at which they would be deterred from switching to natural gas (if at all). A customer's decision to convert to natural gas depends on several factors, including but not limited to, their economic status, fuel usage levels, existing fuel source and equipment and how they relate to the cost to convert to natural gas, and payback tolerance related to the upfront investment to convert to natural gas.

In order to estimate a threshold figure that could be applied to the customer connection forecast for the Project, Enbridge Gas analyzed historical total ELC cost data from a sample of residential attachments from 2022 and 2023 (see Attachment 1 to this response for the historical data in this sample). The mean of the total ELC amounts paid in this data sample was \$859 with a standard deviation of \$1,599. At 3 standard deviations from the mean (i.e., at an ELC threshold of approximately \$5,600), 99.7% of attachments occurred up to this ELC value. Enbridge Gas believes this ELC value is a reasonable and conservative estimate of the ELC threshold at which potential customers may be deterred from attaching.

Enbridge Gas then estimated the number of customers in the Project area that would require a total ELC of greater than \$5,600 using the data set provided at Exhibit I.ED-21, Attachment 1 (see column I), which consists of the estimated ELC amounts for potential customers in the Project area. The result was that 128 of 461 potential customers (or approximately 30%) would require a total ELC amount of greater than \$5,600. Enbridge Gas applied this factor ($1 - 30\% = 70\%$)

and the initial penetration rate (76%) to the potential residential forecast (448) from the Original Application, resulting in a total residential customer forecast of 238, which is 106 customers less than the original residential customer forecast of 344. See Exhibit I.STAFF-11, Table 1.

c) and c) i) Please see Table 1.

Table 1:

	LTC Application – Filed November 28, 2023	LTC Application – Updated as of August 30, 2024
Number of customers in attachment forecast assumed to pay an ELC (>20m)	224 (estimated) ^[1]	123 (estimated) ^[2]
Average ELC for a residential customer in the forecast (including HST) ^[3]	At old ELC rate of 32\$/m >20 m \$2,105	At new ELC rate of 159\$/m >20 m \$1,617

Note: The average ELC for a residential customer decreased in the Updated Application despite the increased per meter charge, because the customers assumed to connect in the forecast have a lower average length due to the forecast calibration (as described in part b).

[1] and [2] – The figures are estimated using the data set provided at Exhibit I.ED-21, Attachment 1, which consists of the estimated ELC amounts for potential customers in the Project area. The figures do not result in an exact difference of 106 customers (to reflect the customer forecast reduction figure described in part b) above) due to rounding; however, the difference is not material.

[3] – The average ELC relates to customers that are paying an ELC only. Customers paying \$0 ELC are not included in the average.

d) Since the Original Application, in addition to preparing the ER Amendment, Enbridge Gas reviewed and advanced its design for the Project. Pipe lengths were updated to more accurately reflect the lengths expected to be installed, ultimately resulting in a reduction of overall pipe from 37.3 km to 36.5 km. The updated route resulted from changes to the following segments:

- **Section 2:** 85m of NPS 4 PE IP of Reinforcement at Doane Rd. W. and Yonge St. was required to support the expected load addition for Section 2. This segment was omitted from the Project Map and Environmental Assessment study area in error and has since been included in the ER Amendment. Note the 85m of pipe was included in the written description and the pipe totals filed in the 2023 evidence.
- **Section 3:** approximately 115 m of proposed NPS 2 PE IP was reduced, eliminating a redundant tie in on Queen St. that serviced no additional customers.

- **Section 5:** approximately 335 m of NPS 2 PE IP main on Davis Drive was reduced from the endpoint in front of vacant land.
 - **Section 6:** approximately 350 m of proposed NPS 2 PE IP main on Holburn Rd. was reduced from the end point after confirming the two residences were already serviced from Woodbine Ave.
- e) There are 480 potential customers in the Project area that will have access to connect to Enbridge Gas's system. See Exhibit I.STAFF-11 part b).
- i. The penetration rate of the Project area as contained in the Updated Application is 53%, which accounts for the ELC calibration. See Exhibit I.STAFF-11 part a).
- f) Enbridge Gas has evaluated NGEP projects that are recently constructed or currently under construction with the best available information and determined that adjustments to the customer forecasts for these projects due to the increased ELC are not required. This is due to a much lower portion of residential properties that would surpass the \$5,600 ELC threshold (as described in part b) above) in those communities. Additionally, some of these projects were accepting applications for service before the implementation of the increased ELC.
- i. It is expected that recently constructed or currently under construction NGEP projects will achieve a PI of at least 1.0. See part f) above.

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Please see Exhibit I.STAFF-10_Attachment 1.xlsx on the OEB's RDS.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Updated Evidence, Exhibit D, Tab 1, Schedule 1, pg 1
Updated Evidence, Exhibit E, Tab 1, Schedule 1, pg 1

Preamble:

A total of approximately 36.5 km of new natural gas main will be installed. This is updated from a total of approximately 37.3 km of new natural gas mains in the Original Application.

OEB staff prepared the table below, which compares the NGEF proposal to the LTC application in terms of pipeline lengths, 10-year customer forecast, and capital costs.
[ADD CHART]

Question(s):

- a) Please confirm that the summary information provided in the table above is correct. If not, please identify and correct any errors.
- b) Please discuss how the project went from 422 customers forecasted to connect to 263 customers forecasted to connect (65% and 76% penetration rates respectively), while the pipeline length increased from approximately 30 km to 36.53 km.
 - i. Does Enbridge Gas believe that the NGEF proposal is the same/ similar to the Updated Application, as there is a decrease of 37% from its original customer forecast, while the NGEF funding remains the same.
- c) Please provide a discussion on the disproportionate decreases in capital cost and pipeline length. The project capital cost has decreased by roughly \$1.7 million (~12% of Original Application budget) while the total length of pipeline has decreased only 0.82 km (~2% of Original Application pipeline).

Response:

- a) The summary information in the table provided in the interrogatory is not correct. In preparing the response to this interrogatory, Enbridge Gas discovered a discrepancy in the pipe total between the table and the map included in the original proposal. Upon review of the Project scope, it was identified that the total kilometres stipulated in the NGEF proposal (totaling 30 km) did not align with the total kilometres of measured main to execute on the associated scope map submitted. The column “NGEF Proposal – Pipe totals to match original map filed” has been added to Table 1 to provide the pipe lengths as per the map filed in the NGEF proposal, totaling 44.1 km, and used to determine the attachment forecast.

As noted in the cover letter to Enbridge Gas’s evidence update filed August 30, 2024, the pipeline lengths (Exhibit B, Tab 1, Schedule 1, pp. 3-4, para. 2), forecasted customer attachments (Exhibit B, Tab 1, Schedule 1, Table 2) and estimated costs (Exhibit E, Tab 1, Schedule 1, Table 1) for the Project have been updated from Enbridge Gas’s pre-filed evidence. The updated values have been added to Table 1 in the column “LTC Application – Updated as of August 30, 2024”.

Table 1 Comparison of NGEF Proposal, Ministry Update and LTC Applications

	NGEF Proposal	NGEF Proposal – Pipe totals to match original map filed	DTC Update to Ministry of Energy	LTC Application – Filed November 28, 2023	LTC Application – Updated as of August 30, 2024
Total Potential Customers^[1]	645			480	480
Total Potential Residential Customers^[1]	605			448	448
Total Customer Forecast	422			369	263
Residential Customer Forecast^[1]	391			344	238

Penetration rate	65%			76% ¹	53% ²
NPS 2 PE (km)	23.95	37.887	27.0	27.0	26.1
NPS 4 PE (km)	6.187	6.187	10.3	10.1	10.3
NPS 2 Steel (km)	0		0	0.115	0.14
NPS 4 Steel (km)	0		0	0.06	0
Total Length (km)	30.137	44.074	37.3	37.355	36.53
Total Capital Cost	Redacted			\$14,743,806	\$12,999,254
NGEP Funding	\$8,373,365			\$8,373,365	\$8,373,365
Net Capital Cost	Redacted			\$6,370,441	\$4,625,889

Note: [1] – Rows added by Enbridge Gas to the table provided in the interrogatory.

b) During feasibility analysis, scope refinement was pursued considering constructability and permitting complexities and customer information where available to support overall project feasibility. For example, sections 7 and 9 were connected and a part of section 7 was removed to mitigate the direct conflict at Woodbine Ave. and Ravenshoe Rd. with known Highway 404 extension plans. As discussed in part a) the total pipeline length was incorrectly stated in the NGEP proposal as 30 km. As per the corrected value of 44.1km provided in Table 1, the total pipeline length since the NGEP proposal has decreased by approximately 7.6 km.

The attachment forecast for the original NGEP proposal (422) was derived based on customers within scope of the 44 km of proposed main using a standard attachment assumption of 65% for residential. In this original count, there were also some customers included that already had access to natural gas (at locations near the tie ins). Overall scope refinement and verification of in scope customers resulted in a lower total number of potential customers with access to connect to the system count of 480; the forecasted attachment therefore reduced from 422 to 369 despite the increased residential attachment rate based on the market research. Please see Exhibit I.STAFF-10 part b) regarding the subsequent forecast update from 369 to

¹ Based on Forum Research, 76% of respondents overall are likely (extremely likely, very likely or likely) to connect to natural gas.

² See Exhibit I.STAFF-10, part b) ii. for details on customer forecast assumptions.

263 customers. The total potential customer count of 480 has not changed, but rather the customer forecast-was updated.

- i. Yes, Enbridge Gas believes the Project is similar to the original NGEF Proposal as the intended areas of interest to the municipality are being serviced, taking into account design and construction constraints identified since the original conceptual proposal.
- c) As per Table 2, the overall Project cost did not decrease proportionally with the 800m main reduction because the primary driver for the 12% cost decrease was the reduced forecast (30% less services reflected in the lower ancillary cost). Additionally, the contingency percentage applied was also lowered on all elements of the estimate as the Project design matured resulting in greater accuracy and validation of assumptions. The reduction in contingency primarily drove the disproportionately higher pipeline cost reduction at 8% compared to the 2% reduction in pipeline length.

Table 2: LTC Application Parameter Comparison

	LTC Application – Filed November 28, 2023	LTC Application – Updated as of August 30, 2024
Total Pipeline costs (\$)	11,993,792	11,073,147
Total ancillary cost (\$)	2,750,013	1,926,107
Total Cost (\$)	14,743,806	12,999,254
Estimate level and Contingency	Class 4 (15%)	Class 3 (10%)
Length (km)	37.3	36.5
Customers	369	263

ENBRIDGE GAS INC.

Answer to Interrogatory from
Ontario Energy Board Staff (STAFF)

Interrogatory

Reference:

Updated Evidence, Exhibit H, Tab 1, Schedule 1, pg 4
Updated Evidence, Exhibit H, Tab 1, Schedule 1, Attachment B, pg 40 and 261-265

Preamble:

The information presented in Attachment 7 and Attachment 8 reflects Enbridge Gas's Indigenous engagement activities for the Project up to and including August 1, 2024; however, Enbridge Gas stated it will continue to engage throughout the life of the Project to ensure any impacts on Aboriginal or treaty rights and interests are addressed, as appropriate.

In an email exchange between Enbridge Gas and the Mississaugas of Scugog Island First Nations (MSIFN), MSIFN had provide a number of comments and suggestions on Enbridge Gas's Environmental Report.

As of August 1, 2024, Enbridge Gas has emailed MSIFN advising they have received the comments and are preparing the response.

Question(s):

- a) Please provide any updates to MSIFN's concerns and any correspondents.
- b) Please provide the updated Indigenous Consultation Log, if applicable.

Response:

- a) Enbridge Gas continues to work to respond to MSIFN's concerns and will be providing information to MSIFN in the next month.
- b) See Attachment 1 to this response.

Enbridge Gas Inc. Indigenous Consultation Log for the
East Gwillimbury Community Expansion Project (the Project)

Log from August 2, 2024 to October 8, 2024

Alderville First Nation (AFN)					
Line Item	Date	Method	Summary of Enbridge Gas Inc. (Enbridge Gas) Consultation Activity	Summary of Community Consultation Activity	Issues or Concerns Raised and Enbridge Gas Responses
1.43	September 21, 2024	Email		An AFN representative emailed the Enbridge Gas representative to inquire if they are preparing an agreement for capacity funding for the Project.	
1.44	September 25, 2024	Email	An Enbridge Gas representative emailed the AFN representative to advise they were preparing an agreement that would cover multiple projects.		
1.45	September 25, 2024	Email		An AFN representative emailed the Enbridge Gas representative to inquire if they can update and resend the agreement.	
1.46	October 4, 2024	Email	An Enbridge Gas representative emailed the AFN representative to provide a capacity funding agreement for review and signature.		
1.47	October 7, 2024	Email		An AFN representative emailed the Enbridge Gas representative a signed copy of the capacity funding agreement.	
Beausoleil First Nation ("BFN")					
There were no follow-ups or engagement with BFN during this period.					
Chippewas of Georgina Island ("CGI")					
There were no follow-ups or engagement with CGI during this period.					
Chippewas of Rama First Nation ("CRFN")					
There were no follow-ups or engagement with CRFN during this period.					

Curve Lake First Nation (CLFN)					
Line Item	Date	Method	Summary of Enbridge Gas Inc. (Enbridge Gas) Consultation Activity	Summary of Community Consultation Activity	Issues or Concerns Raised and Enbridge Gas Responses
5.16	September 6, 2024	Email		<p>A CLFN representative emailed the Enbridge Gas representative to provide comments on the amended ER provided on June 24, 2024.</p> <p>A CLFN representative advised that there is a possibility of presence of pre-Contact Woodland encampment and a post-Contact Indigenous burial ground, within the proposed pipeline project boundaries. The CLFN representative advised that the CLFN archeologist has asked for additional time to research the potential that ancestors were buried in the proposed Project area and asked for Enbridge Gas to confirm if this was okay.</p> <p>The CLFN representative provided comments on the ER regarding Treaty Territory recognition regarding Project location, opportunity to distinguish between Rights holders and Indigenous</p>	

				<p>communities that may be interested in the Project, creating an opportunity to collaborate with Indigenous communities on Cultural Keystone Species and species of interest that may be of traditional importance to the area.</p> <p>The CLFN representative recommends if trenchless method is not possible at water-crossings to inform CLFN and allow for the review of the proposed water crossing mitigation. CLFN advises that if fish salvage activities are determined to be required, that CLFN would like the opportunity to participate in these activities.</p> <p>The CLFN representative advises that Michi Saagig Treaty wetlands are to be protected with a 120 meter buffer, to provide detail construction approach, sediment and erosion control measures and mitigation measures if wetland disturbance is to be anticipated.</p>	
5.17	September 9, 2024	Email	An Enbridge Gas representative emailed the CLFN representative to confirm		

			receipt of the ER comments provided and advised that Enbridge Gas would start working to respond.		
Hiawatha First Nation (HFN)					
There were no follow-ups or engagement with HFN during this period.					
Huron-Wendat Nation (HWN)					
There were no follow-ups or engagement with HWN during this period.					
Kawartha Nishnawbe First Nation (KNFN)					
There were no follow-ups or engagement with KNFN during this period.					
Mississaugas of Scugog Island First Nation (MSIFN)					
There were no follow-ups or engagement with MSIFN during this period.					

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Reference: Exhibit B, Tab 1, Schedule 1

Question(s):

- a) Please reproduce Figure 1 adding a separate column for heating with electric air source heat pumps and please complete the row in Table 1 for electric air source heat pumps with caveats as necessary. Please provide a table listing all the calculations and assumptions underlying the cost estimate for electric air source heat pumps.
- b) Please reproduce Figure 1 and Table 1 adding details for the annual costs for a cold-climate heat pump generated using the Guidehouse spreadsheet filed in the Hidden Valley Community Expansion Case, updated to incorporate the latest rates and the gas monthly customer charges.
- c) Please provide all the underlying calculations and assumptions underlying Figure 1 and Table 1, including the underlying spreadsheet with live formulas. Please include all assumptions, including, but not limited to, the assumed price on carbon.
- d) If an excel spreadsheet is used to assess the relative cost-effectiveness of the various heating options, please provide that live excel spreadsheet with the variables set consistent with output in Figure 1. A model that Enbridge used in the past can be found at EB-2019-0188, Exhibit I.ED.7, Attachment 1, but we do not have a version that has been updated and set with the variables used in this case.

Response:

As noted at Page 2 of the cover letter to Enbridge Gas's evidence update (filed August 30, 2024) Exhibit B, Tab 1, Schedule 1, Figure 1 has been removed and replaced with Exhibit B, Tab 1, Schedule 1, Attachment 5, which includes updates to provide energy comparison information as of July 2024. As a result, Figure 1 is referred to as "Attachment 5" for this interrogatory response.

a - b)

ED's request seeks to have Enbridge Gas develop information that is unrelated to and incongruent with the purpose of the figure and table referenced in the interrogatory (Attachment 5 and Table 1), which is to illustrate consumer cost savings for conversions from existing base case fuel (i.e., electric (resistance), oil, and propane) to natural gas. Attachment 5 and Table 1 are not intended to provide information regarding consumer conversions from natural gas (or other fuels) to non-natural gas energy solutions. As a result, it is not appropriate to provide a response to ED's request.

Enbridge Gas has provided a lengthy discussion regarding the annual operating costs and up-front capital costs of high-efficiency electric cold climate air source heat pumps (ccASHP) in the response to Exhibit I.ED-28. However, the intent of this leave to construct Application is to demonstrate the need for, and community interest in, connecting to natural gas, and therefore incorporating the ccASHP data into Attachment 5 and Table 1 serve no practical purpose in the context of this Application. In fact, providing consumers with cost information regarding conversions to ccASHP is not relevant to Enbridge Gas's natural gas leave to construct Applications, as the Company has no ability to cause consumers to convert to those solutions via the Applications. Furthermore, the OEB is not making a choice between heat pumps or the pipeline expansion.

Aside from the relevance issue, there are a number of other reasons why providing the comparison requested would be inappropriate and/or misleading:

- Information related to conversions to non-natural gas energy solutions without consideration of those energy solutions' supply-side requirements and implications would not be appropriate or valuable. Regarding natural gas solutions, the Company's natural gas community expansion applications contemplate all OEB-established natural gas supply-side requirements for leave to construct, including natural gas project costs, natural gas project economics, environmental impacts, land impacts, and Indigenous consultations.
- Attachment 5 and Table 1 reflect whole-home heating scenarios (which include space heating and water heating). High-efficiency electric ccASHPs only provide space heating. As such, ED's request to add high-efficiency electric ccASHPs omits water heating considerations from the analysis. Adding electric water heating equipment to the analysis would require

additional and separate performance efficiency considerations from the high-efficiency electric ccASHP, further complicating the analysis.

- The performance efficiencies of the energy solutions in Attachment 5 and Table 1 are based on weighted-average efficiencies for each fuel type, not the highest possible performance efficiency for each fuel type. ED's request to add high efficiency electric ccASHPs to Attachment 5 and Table 1 as a comparable to the other energy solutions would be an asymmetrical comparison to those other energy solutions.

In summary, Enbridge Gas is neither causing consumers to convert to high efficiency electric ccASHPs, nor causing consumers to convert from high-efficiency electric ccASHPs to natural gas, via the current leave to construct Application. As such, and based on the foregoing, providing consumer cost comparison information for high-efficiency electric ccASHPs as requested by ED is entirely outside of the scope of the Company's natural gas leave to construct Application.

c – d)

Please see Attachment 1 to this response for all the underlying calculations and assumptions used for Attachment 5 and Table 1. The model referenced by ED in the interrogatory was not used in relation to this Project or the current Application.

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Please see Exhibit I.ED-1_Attachment 1.xlsx on the OEB's RDS.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1

Question(s):

- a) Please provide all communications to and from the Town of East Gwillimbury, Township of King, Town of Georgina, and Town of Whitchurch-Stouffville regarding the project, including all communications to the each of these Townships describing the benefits (e.g. letters, presentations, etc.).
- b) Please provide a list of all meetings with staff and elected officials from the Town of East Gwillimbury, Township of King, Town of Georgina, and Town of Whitchurch-Stouffville and the meeting notes and materials for each.

Response:

- a) The Town of East Gwillimbury was provided a Notice of Study Commencement and Virtual Open House on June 19, 2023 and a copy of the draft Environmental Report (ER) on September 11, 2023. The Town of East Gwillimbury was also provided a Notice of Project Change on May 23, 2024, and a copy of the draft ER Amendment on June 25, 2024. Please refer to Appendix F3 of the ER¹ for a copy of the Notice of Study Commencement and Virtual Open House and Appendix A of the ER Amendment² for a copy of the Notice of Project Change. Please also refer to Appendix G-1, section 1.4 of the ER, and section 1.4 of Appendix C of the ER Amendment for complete summaries of the project correspondence with the Town of East Gwillimbury. Correspondence with the Town of East Gwillimbury related to the review of the draft Environmental Report can be found in Appendix G-2 of the ER. The Town of East Gwillimbury did not provide comments on the draft ER Amendment.

¹ Exhibit F, Tab 1, Schedule 1, Attachment 1.

² Ibid, Attachment 3.

For all other communications with the Town of East Gwillimbury, please see Attachment 1 to this response.

The Township of King, Town of Georgina, and Town of Whitchurch-Stouffville are not included in the Project scope and therefore there are no communications to provide.

- b) Please see Attachment 2 to this response for the consultation log between Enbridge Gas and the Town of East Gwillimbury regarding the Project.

From: [Kendra Black](#)
To: [Donna Popovic](#)
Subject: FW: Meeting Request | East Gwillimbury System Expansion Project - Leave-to-Construct application
Date: Friday, October 13, 2023 2:27:08 PM
Attachments: [image001.png](#)
[image002.png](#)
[image006.png](#)
[image007.png](#)

LOL so I sent the email and forgot to copy you!!!

From: Casey, Gina <gcasey@eastgwillimbury.ca>
Sent: Friday, October 13, 2023 1:05 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Cc: Neuman, Paul <pneuman@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>; Wrzala, Ray <rwrzala@eastgwillimbury.ca>; Molinari, Mike <mmolinari@eastgwillimbury.ca>
Subject: [External] RE: Meeting Request | East Gwillimbury System Expansion Project - Leave-to-Construct application

CAUTION! EXTERNAL SENDER

Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Kendra,

You are welcome to present to Council and to move this forward you will need to complete the required Deputation form and submit it to Clerks for placement on a future agenda. I have included the link below.

I am copying those Town staff who attended the meeting in June for information.

[Deputation Request Form](#)

Gina Casey

Executive Coordinator to Mayor & Council
Town of East Gwillimbury
19000 Leslie Street, Sharon, Ontario L0G 1V0
905-478-4283 Ext. 1276
gcasey@eastgwillimbury.ca

This electronic transmission is directed in confidence solely to the person(s) named above and may not be otherwise distributed, copied or disclosed. If you have received this transmission in error, please reply to this transmission advising us of the error and delete the message without making a copy.

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Thursday, October 12, 2023 4:31 PM
To: Casey, Gina <gcasey@eastgwillimbury.ca>

Subject: Meeting Request | East Gwillimbury System Expansion Project - Leave-to-Construct application

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hello Gina,

I hope you are doing well.

I am reaching out today for a couple of reasons.

It's been a while since a few of us with the project team met with Mayor Hackson and municipal staff on the East Gwillimbury project. We continue to work on our Leave-to-Construct application to the Ontario Energy Board for project approval. When we spoke in June, I noted that our project applications are strengthened by written support from the municipality and it was suggested that perhaps Enbridge come to council to present on the project and make a formal request for a letter of support or a resolution.

We are working towards a late-November submission date, and I am wondering if we could discuss bringing this agenda item forward in the near future. We are happy to provide materials and templates as well.

I also wanted to introduce you to Donna Popovic, who has recently joined Enbridge Gas in the role of Municipal Advisor for this operating region. Donna will be the lead for the relationship between Enbridge and East Gwillimbury going forward.

I look forward to hearing from you when you have a moment.

With thanks,
Kendra

From: Casey, Gina <gcasey@eastgwillimbury.ca>

Sent: Monday, May 29, 2023 11:29 AM

To: Kendra Black <Kendra.Black@enbridge.com>

Subject: [External] RE: East Gwillimbury System Expansion Project

CAUTION! EXTERNAL SENDER

Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?

DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Kendra,

I have issued the meeting notice.

Gina Casey

Mayor & Council Executive Coordinator
Town of East Gwillimbury
19000 Leslie Street, Sharon, Ontario L0G 1V0
905-478-4283 Ext. 1276
gcasey@eastgwillimbury.ca

This electronic transmission is directed in confidence solely to the person(s) named above and may not be otherwise distributed, copied or disclosed. If you have received this transmission in error, please reply to this transmission advising us of the error and delete the message without making a copy.

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Friday, May 26, 2023 4:32 PM
To: Casey, Gina <gcasey@eastgwillimbury.ca>
Subject: RE: East Gwillimbury System Expansion Project

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Gina,

I will always copy you going forward – thank you!
June 14 2:30pm works best for our team.

We'd like to include:

Sara Alhasan <sara.alhasan@enbridge.com>
Amanda Thoms <Amanda.Thoms@enbridge.com>
Sean Kramer <Sean.Kramer@enbridge.com>
Kendra Black <Kendra.Black@enbridge.com>

Thank you very much, and have a nice weekend,

Kendra

From: Casey, Gina <gcasey@eastgwillimbury.ca>
Sent: Friday, May 26, 2023 10:15 AM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] RE: East Gwillimbury System Expansion Project

CAUTION! EXTERNAL SENDER

**Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.**

Good morning Kendra,

No problem, all good – but yes it is more efficient if you include me on emails. Forgiven

We will be including appropriate Town staff and I provide the following dates/times for your consideration:

June 12 11am or 3pm

June 13 11am or 2pm

June 14 2:30pm

June 21 2 or 3pm

The meeting will be at the address in my signature line.

Let me know what works and I am happy to issue the meeting notice – please provide me those to include from Enbridge.

Thanks Kendra!

Gina Casey

Mayor & Council Executive Coordinator
Town of East Gwillimbury
19000 Leslie Street, Sharon, Ontario L0G 1V0
905-478-4283 Ext. 1276

gcasey@eastgwillimbury.ca

This electronic transmission is directed in confidence solely to the person(s) named above and may not be otherwise distributed, copied or disclosed. If you have received this transmission in error, please reply to this transmission advising us of the error and delete the message without making a copy.

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Thursday, May 25, 2023 9:32 AM
To: Casey, Gina <gcasey@eastgwillimbury.ca>
Subject: FW: East Gwillimbury System Expansion Project

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Good morning Gina,

I've recently replaced Sonia Fazari on the municipal advisor file.
I was not sure if I should copy you on this email – please forgive me for not!

With thanks,
Kendra

From: Kendra Black <Kendra.Black@enbridge.com>

Sent: Thursday, May 25, 2023 9:27 AM
To: vhackson@eastgwillimbury.ca
Subject: East Gwillimbury System Expansion Project

Good morning Mayor Hackson,

I am reaching out in hopes of arranging a meeting to provide an overview and update regarding the natural gas system expansion project planned for East Gwillimbury. We have formed a project team, and our project planning is underway, and I thought it would be helpful if we could provide you with and update on this front.

We also have a milestone coming up, which is a public engagement effort (a virtual open house) to provide the community with the opportunity to learn about the proposed project, share any comments, and ask any questions. We'd like to meet with you in advance to ensure you are well aware of the planned activities and proposed project plan.

Would there be an opportunity to arrange something for June?

I look forward to hearing back from you when you have a moment.

With thanks,

Kendra

Kendra Black
Supervisor, Municipal and Stakeholder Engagement
Public Affairs & Communications

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416-806-7443
500 Consumers Road, Toronto, ON, M2J 1P8

enbridgegas.com

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From: [Kendra Black](#)
To: [McNeil, Amanda](#)
Cc: [Donna Popovic](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Wednesday, October 18, 2023 4:07:20 PM
Attachments: [image001.jpg](#)
[image003.jpg](#)

Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 18, 2023 3:49 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] Town of EG Deputation Request - Enbridge Gas

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Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: [Donna Popovic](#)
To: [Kevin](#)
Cc: [Mark Dinner](#)
Subject: Request Letter of Support - East Gwillimbury System Expansion Project - Leave-to-Construct application
Date: Monday, October 23, 2023 4:34:00 PM

Hi Kevin,

Thanks for taking my call earlier. I want to follow up on our chat regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. I have connected with Mark Dinner, cc'd here, and confirmed the Lead To Construct (LTC) application submission is schedule for November 28th. We would require the letter of support from Council at the November 7th meeting. The letter would reinforce the need for this project and strengthen our application.

Given the tight timeline for this, we are happy to provide a formal written request with all required supporting materials, including a template letter with suggested language for Council's reference. As noted in our conversation, we'd be happy to present in the new year and provide an update on the project proceedings.

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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From: [Brake, Kevin](#)
To: [Donna Popovic](#)
Cc: [Mark Dinner](#)
Subject: [External] RE: Request Letter of Support - East Gwillimbury System Expansion Project - Leave-to-Construct application
Date: Tuesday, October 24, 2023 12:18:13 PM

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Hi Donna,

Thanks for the follow up email.

Are you able to provide the items noted below as soon as possible so we can share with our Clerks department?

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Monday, October 23, 2023 4:34 PM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Cc: Mark Dinner <Mark.Dinner@enbridge.com>
Subject: Request Letter of Support - East Gwillimbury System Expansion Project - Leave-to-Construct application

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From: [Donna Popovic](#)
To: [Brake, Kevin](#)
Cc: [Mark Dinner](#)
Subject: RE: Request Letter of Support - East Gwillimbury System Expansion Project - Leave-to-Construct application
Date: Wednesday, October 25, 2023 10:48:00 AM

Hi Kevin,

Thanks very much for the accommodation and getting this to council on November 7th. I am working on the formal request and letter of support, I'll have final items send to you early next week.

Thanks,
Donna

From: Brake, Kevin <kbrake@eastgwillimbury.ca>
Sent: Tuesday, October 24, 2023 12:18 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Mark Dinner <Mark.Dinner@enbridge.com>
Subject: [External] RE: Request Letter of Support - East Gwillimbury System Expansion Project - Leave-to-Construct application

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To: Brake, Kevin <kbrake@eastgwillimbury.ca>
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Thanks.

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Public Affairs & Communications

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From: [Brake, Kevin](#)
To: [Donna Popovic](#)
Cc: [Mark Dinner](#); [Walkom, Andrew](#)
Subject: [External] RE: Request Letter of Support - East Gwillimbury System Expansion Project - Leave-to-Construct application
Date: Wednesday, October 25, 2023 11:25:19 AM

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Hi Donna,

Thanks for the update. I have copied Andrew Walkom, Deputy Clerk, to advise on requirements/timeline for receipt of information for the deputation.

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 10:49 AM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Cc: Mark Dinner <Mark.Dinner@enbridge.com>
Subject: RE: Request Letter of Support - East Gwillimbury System Expansion Project - Leave-to-Construct application

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Hi Kevin,

Thanks very much for the accommodation and getting this to council on November 7th. I am working on the formal request and letter of support, I'll have final items send to you early next week.

Thanks,
Donna

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Sent: Tuesday, October 24, 2023 12:18 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Mark Dinner <Mark.Dinner@enbridge.com>
Subject: [External] RE: Request Letter of Support - East Gwillimbury System Expansion Project - Leave-to-Construct application

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Thanks,

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Thanks.

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Public Affairs & Communications
donna.popovic@enbridge.com

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From: [Donna Popovic](#)
To: [Kendra Black](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Wednesday, October 25, 2023 1:06:00 PM
Attachments: [image001.jpg](#)
[image002.jpg](#)
[image003.jpg](#)
[image004.jpg](#)

Thanks for flagging this! Yes, is not what Kevin communicated to me, it's the opposite. I'm going to loop him and have this sorted ASAP!

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Wednesday, October 25, 2023 1:04 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Subject: Fwd: Town of EG Deputation Request - Enbridge Gas

Please see below!

Is this in conflict w the update you had yesterday (or was that Monday?) the days are blurry!

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 25, 2023 11:44 AM
To: Kendra Black <Kendra.Black@enbridge.com>
Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastgwillimbury.ca to advise of the change.
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- Once you have joined the meeting, ensure to keep your microphone on mute until the Mayor

has acknowledged you, and asks that you provide your comments.

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- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
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You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastgwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Wednesday, October 18, 2023 4:07 PM
To: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 18, 2023 3:49 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] Town of EG Deputation Request - Enbridge Gas

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905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: [Donna Popovic](#)
To: [Kevin](#)
Cc: amcneil@eastgwillimbury.ca; [Kendra Black](#); [Mark Dinner](#)
Subject: FW: Town of EG Deputation Request - Enbridge Gas
Date: Wednesday, October 25, 2023 1:31:00 PM
Attachments: [image003.jpg](#)
[image005.jpg](#)
[image004.jpg](#)
[image006.jpg](#)

Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

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Public Affairs & Communications
donna.popovic@enbridge.com

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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 25, 2023 11:44 AM
To: Kendra Black <Kendra.Black@enbridge.com>

Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Kind regards,

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Town of East Gwillimbury

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905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Wednesday, October 18, 2023 4:07 PM
To: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

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Sent: Wednesday, October 18, 2023 3:49 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] Town of EG Deputation Request - Enbridge Gas

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[image006.jpg](#)

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Hi Donna,

Apologies for any confusion.

Yes, we were trying to defer the presentation if possible and did discuss the possibility of a written request for support with a future presentation however we felt that this may create an opportunity for support to be deferred until the presentation could be received.

As we discussed during our conversation that receiving the letter of support is somewhat time-sensitive, we decided to have you go ahead with the presentation to avoid any confusion or questions about a future presentation, hence the communication from Amanda regarding confirmation of deputation on the November 7th agenda.

I hope this clarifies things. If the presentation could be kept to 3-5 minutes it would be appreciated. If you could mention in the presentation that you have been working with town staff through the process and that we are supportive of the initiative, it would be appreciated. I'm assuming you will also note public engagement to date regarding the project?

Apologies again for any confusion.

Regards,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 1:31 PM
To: Brake, Kevin <kbrake@eastwillimbury.ca>
Cc: McNeil, Amanda <amcneil@eastwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
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Sent: Wednesday, October 25, 2023 11:44 AM

To: Kendra Black <Kendra.Black@enbridge.com>

Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>

Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Sent: Wednesday, October 18, 2023 3:49 PM

To: Kendra Black <Kendra.Black@enbridge.com>

Subject: [External] Town of EG Deputation Request - Enbridge Gas

CAUTION! EXTERNAL SENDER

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Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: [Donna Popovic](#)
To: [Brake, Kevin](#); [McNeil, Amanda](#)
Cc: [Kendra Black](#); [Mark Dinner](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Wednesday, October 25, 2023 2:33:00 PM
Attachments: [image001.jpg](#)
[image003.jpg](#)
[image002.jpg](#)
[image005.jpg](#)

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[@McNeil, Amanda](#) I will aim to have all the materials to you by EOD October 31st. If there are any issues, I'll follow up to coordinate with you directly.

Thank you both kindly for accommodating our request and making this possible on such a tight timeline. It's much appreciated!

Best,

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

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From: [Brake, Kevin](#)
To: [Donna Popovic](#); [McNeil, Amanda](#)
Cc: [Kendra Black](#); [Mark Dinner](#); [Sudhakaran, Renju](#)
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas
Date: Friday, October 27, 2023 10:54:45 AM
Attachments: [image001.jpg](#)
[image006.jpg](#)
[image002.jpg](#)
[image003.jpg](#)

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Hi Donna,

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Kevin

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Sent: Wednesday, October 25, 2023 2:33 PM
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Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>
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Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

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To: McNeil, Amanda <amcneil@eastgwillimbury.ca>
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Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

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From: [Donna Popovic](#)
To: [Brake, Kevin](#); [McNeil, Amanda](#)
Cc: [Kendra Black](#); [Mark Dinner](#); [Sudhakaran, Renju](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Friday, October 27, 2023 11:14:00 AM
Attachments: [image001.jpg](#)
[image005.jpg](#)
[image002.jpg](#)
[image003.jpg](#)

Hi Kevin,

Thanks for the update! I will aim to have it by Monday afternoon! I'll follow up if there are any issues.

Have a great weekend.

Donna

From: Brake, Kevin <kbrake@eastwillimbury.ca>
Sent: Friday, October 27, 2023 10:55 AM
To: Donna Popovic <donna.popovic@enbridge.com>; McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Sudhakaran, Renju <RSudhakaran@eastwillimbury.ca>
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Date: Friday, October 27, 2023 11:48:00 AM
Attachments: [image001.jpg](#)
[image005.jpg](#)
[image002.jpg](#)
[image003.jpg](#)

Hi Kevin,

Following up the submission of materials, much of our team is away today and we need to get the final materials through review and approvals. Would it be possible to submit our materials by Tuesday morning, please?

Thanks.
Donna

From: Donna Popovic
Sent: Friday, October 27, 2023 11:15 AM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>; McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Sudhakaran, Renju <RSudhakaran@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Kevin,

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Have a great weekend.
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Please find below some meeting procedures when appearing virtually:

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You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastgwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

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Subject: RE: Town of EG Deputation Request - Enbridge Gas

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From: [Brake, Kevin](#)
To: [Donna Popovic](#)
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas
Date: Friday, October 27, 2023 1:10:53 PM
Attachments: [image001.jpg](#)
[image005.jpg](#)
[image002.jpg](#)
[image003.jpg](#)

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From: [Brake, Kevin](#)
To: [Donna Popovic](#)
Cc: [McNeil, Amanda](#); [Walkom, Andrew](#)
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas
Date: Friday, October 27, 2023 4:25:27 PM
Attachments: [image001.jpg](#)
[image004.jpg](#)
[image005.jpg](#)
[image006.jpg](#)

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CAUTION! EXTERNAL SENDER

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

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- Once you have joined the meeting, ensure to keep your microphone on mute until the Mayor has acknowledged you, and asks that you provide your comments.

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You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Wednesday, October 18, 2023 4:07 PM
To: McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

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We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

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amcneil@eastgwillimbury.ca

From: [Donna Popovic](#)
To: [Brake, Kevin](#)
Cc: [McNeil, Amanda](#); [Walkom, Andrew](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Friday, October 27, 2023 4:35:00 PM
Attachments: [image001.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image006.jpg](#)

Hi Kevin,

This is immensely appreciated! Thank you kindly for the consideration.

Have a wonderful weekend.

Donna

From: Brake, Kevin <kbrake@eastgwillimbury.ca>
Sent: Friday, October 27, 2023 4:25 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Walkom, Andrew <AWalkom@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

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Thanks,

Kevin

From: Brake, Kevin
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To: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Donna,

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Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
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Hi Kevin,

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Donna

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Sent: Friday, October 27, 2023 11:15 AM
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Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Sudhakaran, Renju <RSudhakaran@eastwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Kevin,

Thanks for the update! I will aim to have it by Monday afternoon! I'll follow up if there are any issues.

Have a great weekend.
Donna

From: Brake, Kevin <kbrake@eastwillimbury.ca>
Sent: Friday, October 27, 2023 10:55 AM
To: Donna Popovic <donna.popovic@enbridge.com>; McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
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Hi Donna,

Clerks has advised that the presentation needs to be provided by Monday October 30th to allow time for publishing of the agenda on Tuesday.

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Wednesday, October 25, 2023 2:33 PM

To: Brake, Kevin <kbrake@eastgwillimbury.ca>; McNeil, Amanda <amcneil@eastgwillimbury.ca>

Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Thanks for the prompt response. This is a helpful explanation and provides further clarity on direction for our attendance. I'll work with our team on a short and concise presentation 3-5 minutes and supporting materials, including the draft support letter.

[@McNeil, Amanda](#) I will aim to have all the materials to you by EOD October 31st. If there are any issues, I'll follow up to coordinate with you directly.

Thank you both kindly for accommodating our request and making this possible on such a tight timeline. It's much appreciated!

Best,

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications

donna.popovic@enbridge.com

ENBRIDGE GAS INC.

500 Consumers Road, Toronto, ON, M2J 1P8

enbridgegas.com

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From: Brake, Kevin <kbrake@eastgwillimbury.ca>

Sent: Wednesday, October 25, 2023 2:18 PM

To: Donna Popovic <donna.popovic@enbridge.com>

Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

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Hi Donna,

Apologies for any confusion.

Yes, we were trying to defer the presentation if possible and did discuss the possibility of a written request for support with a future presentation however we felt that this may create an opportunity for support to be deferred until the presentation could be received.

As we discussed during our conversation that receiving the letter of support is somewhat time-sensitive, we decided to have you go ahead with the presentation to avoid any confusion or questions about a future presentation, hence the communication from Amanda regarding confirmation of deputation on the November 7th agenda.

I hope this clarifies things. If the presentation could be kept to 3-5 minutes it would be appreciated. If you could mention in the presentation that you have been working with town staff through the process and that we are supportive of the initiative, it would be appreciated. I'm assuming you will also note public engagement to date regarding the project?

Apologies again for any confusion.

Regards,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Wednesday, October 25, 2023 1:31 PM

To: Brake, Kevin <kbrake@eastgwillimbury.ca>

Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

Subject: FW: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from

Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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500 Consumers Road, Toronto, ON, M2J 1P8
enbridgegas.com
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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Sent: Wednesday, October 25, 2023 11:44 AM

To: Kendra Black <Kendra.Black@enbridge.com>

Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>

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Good morning, Kendra,

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November 7, 2023, at 10:00 a.m. The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

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You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>

Sent: Wednesday, October 18, 2023 4:07 PM

To: McNeil, Amanda <amcneil@eastwillimbury.ca>

Cc: Donna Popovic <donna.popovic@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

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Sent: Wednesday, October 18, 2023 3:49 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] Town of EG Deputation Request - Enbridge Gas

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Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

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amcneil@eastgwillimbury.ca

From: [Donna Popovic](#)
To: [Brake, Kevin](#)
Cc: [McNeil, Amanda](#); [Walkom, Andrew](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Tuesday, October 31, 2023 10:27:00 AM
Attachments: [image001.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image006.jpg](#)
Importance: High

Hi Kevin,

I will be sending the presentation materials to you shortly. I'm waiting on a final approval for one of the products and will have everything submitted in the next half hour.

Thanks.
Donna

From: Brake, Kevin <kbrake@eastgwillimbury.ca>
Sent: Friday, October 27, 2023 4:25 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Walkom, Andrew <AWalkom@eastgwillimbury.ca>
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Thanks,

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Thanks.
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From: Donna Popovic
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Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Kevin,

Thanks for the update! I will aim to have it by Monday afternoon! I'll follow up if there are any issues.

Have a great weekend.
Donna

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[@McNeil, Amanda](#) I will aim to have all the materials to you by EOD October 31st. If there are any issues, I'll follow up to coordinate with you directly.

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Public Affairs & Communications
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Kevin

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Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

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Sent: Wednesday, October 18, 2023 4:07 PM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Cc: Donna Popovic <donna.popovic@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

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Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

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Cc: [Walkom, Andrew](#); clerks@eastgwillimbury.ca; [Kendra Black](#); [Mark Dinner](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Tuesday, October 31, 2023 11:03:00 AM
Attachments: [image001.jpg](#)
[image003.jpg](#)
[East Gwillimbury LTC Letter of Support.docx](#)
[East Gwillimbury Community Expansion Project LTC Final Nov 7.pptx](#)
[image004.jpg](#)
[image006.jpg](#)
Importance: High

Hi Kevin, et Amanda,

Please find attached the Enbridge Letter of Support and the East Gwillimbury Community Expansion Project presentation materials for Council. To the presentation, we will also have an addendum for a LTC project map. It is not finalized yet and will need to be added to the appendix.

I have cc'd the Clerk's Office here for reference to the submission of these materials.

Please let me know if anything further is required prior to the November 7th meeting.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

ENBRIDGE GAS INC.

500 Consumers Road, Toronto, ON, M2J 1P8
enbridgegas.com
Safety. Integrity. Respect.

From: Donna Popovic
Sent: Tuesday, October 31, 2023 10:28 AM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Walkom, Andrew <AWalkom@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Importance: High

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Subject: FW: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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To: Kendra Black <Kendra.Black@enbridge.com>
Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastwillimbury.ca>; Brake, Kevin <kbrake@eastwillimbury.ca>
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Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastwillimbury.ca to advise of the change.
- Once you click on the meeting invite and/or call in to the meeting, you will be placed into a lobby and staff will admit you into the meeting.
- Once you have joined the meeting, ensure to keep your microphone on mute until the Mayor has acknowledged you, and asks that you provide your comments.

- Please begin your deputation with “Good morning, Madam Mayor and members of Council.” When asked a question, please begin your response with “Through you, Madam Mayor.”
- All deputants are limited to **5 minutes** of speaking at a Council Meeting.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply “leave” the virtual meeting and/or end your call.

You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Wednesday, October 18, 2023 4:07 PM
To: McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastwillimbury.ca>
Sent: Wednesday, October 18, 2023 3:49 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] Town of EG Deputation Request - Enbridge Gas

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Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

[PRINT ON MUNICIPAL LETTER HEAD]

November 7, 2023

Re: Expression of Support for Natural Gas Expansion to East Gwillimbury

In June of 2019 the Government of Ontario announced Phase 2 of the Natural Gas Expansion Program. Project funding was allocated to selected municipalities across Ontario to help expand access to natural gas services where it would not be economically feasible for the municipality to access the natural gas distribution system without this support. The Town of East Gwillimbury was one of the communities selected for project funding in the second phase of the Natural Gas Expansion Program.

Enbridge Gas Inc. is preparing to submit a Leave-to-Construct (LTC) application to the Ontario Energy Board (OEB) for the East Gwillimbury Community Expansion Project. This project will provide residents, businesses, and industries located within the project area with access to a safe, accessible, and reliable option for their energy needs. Through the construction of approximately 37.3km of newly proposed pipeline, this project will provide natural gas access to nearly 360 forecasted households and businesses in our community. Council is looking forward to seeing this system expansion completed and the benefits it will bring to our community.

On behalf of the Council of the Town of East Gwillimbury, I am pleased to formally support the East Gwillimbury Natural Gas Expansion Project and the Enbridge Gas submission for the LTC application to the OEB by way of this letter.

Natural gas is the most common and reliable heating fuel in Ontario. The Town of East Gwillimbury supports the Natural Gas Expansion Program efforts of Enbridge Gas Inc. and the Ministry of Energy. We look forward to working together to expand natural gas access in our community to attract new opportunities, help create jobs and enable safe, accessible, and reliable energy options for more residents and business owners in our community.

Sincerely,

Virginia Hackson
Mayor, Town of East Gwillimbury

East Gwillimbury Community Expansion Project

Enbridge Gas Update

November 7, 2023



The information contained in these documents is confidential and only for the use of intended recipient and may not be used, published or redistributed without the consent of Enbridge Gas Inc. This document provides general information only and may be subject to change at any time without notice.



Agenda

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Team Introductions

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Purpose

- The East Gwillimbury Community Expansion Project will provide residents, businesses, and industries located within the project area with access to safe, reliable, and affordable natural gas, in accordance with Phase Two of Ontario’s Natural Gas Expansion Program.

Scope

- There are a total of 9 Sections of proposed natural gas pipelines that make up the project scope
- Two New Distribution Stations will be added at Warden Ave. approximately 500m north of Doane Rd., and at the intersection of Mount Albert Rd. and McCowan Rd.
- Approximately 37 km of new pipeline is proposed surrounding the Town of East Gwillimbury and area

Customer Attachment

- Expected Customers – Approx 364
 - Residential: 344
 - Commercial/Industrial: 20

Pipe Material	Pipe Size (NPS)	Approx Length (m)
PE	2	27,000
PE	4	10,400
ST	2	100
ST	4	100
Total		37,600

Leave to Construct Application Requirements

For the Ontario Energy Board (OEB) to approve the East Gwillimbury Community Expansion project for construction a “Leave to Construct” (LTC) application is required.

Enbridge Gas is required to provide the following details to file an LTC application:

- ✓ Need for the project
- ✓ System Planning & Project Alternatives
- ✓ Project Cost & Economic Considerations
- ✓ Environmental Assessment Report
- ✓ Design and Construction Details
- ✓ Route Map and Form of Landowner Agreements
- ✓ Indigenous Consultation

**May include written expression of support for the proposed project from the local government (OEB Guidelines - EB-2019-0255)*



Ontario Energy Board

ENVIRONMENTAL GUIDELINES FOR THE
LOCATION, CONSTRUCTION AND OPERATION
OF HYDROCARBON PIPELINES
AND FACILITIES IN ONTARIO

7th Edition
2016

Letter of Support



Enbridge hopes to work with the community to file a “Leave to Construct” (LTC) application with the OEB in November 2023.



Your support can strengthen our application to reinforce the need and benefits to the community of this important project.

Anticipated OEB Process and Timing



East Gwillimbury Natural Gas Expansion Project

Anticipated Project Schedule

Proposed Timeline*	
2022-2024	Planning and Design <ul style="list-style-type: none"> • Pre-work • Environmental Surveys • Preliminary Preferred Route and Alternative Route Analysis • Ongoing Consultations
Q2 2024	Regulatory Approvals (OEB Hearing)
Q3 2024	Construction Commences

Thank you!

Appendix

Customer Attachment Overview



1-833-356-2689

CEAPPLICATIONS@enbridge.com or by calling

Enbridge Gas Inc.



North America's largest natural gas storage, transmission and distribution company

We deliver the energy that enhances people's quality of life.

- **Values:** Safety, Integrity, Respect, Inclusion.
- **Ambition:** To be the sustainable and reliable energy provider of choice.
- **Experience:** 175 years of experience in safe and reliable service.
- **Distribution business:** 3.9M customers, heating >75% of Ontario homes.
- **Dawn Storage Hub:** Canada's largest integrated underground storage facility and one of the top gas trading hubs in North America.
- **Leading Ontario's transition to net-zero emissions**
Advancing conservation, renewable gases and clean technologies for heat, transportation and industrial processes.

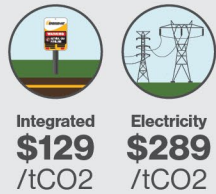


The Future of Energy

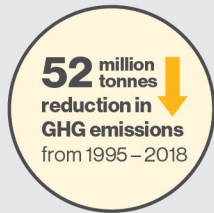
As our population grows, the demand for energy is increasing as are concerns about our environment. What can be done to transition to a lower-carbon energy supply that is there when we need it, at a cost we can afford?



Clean



Energy systems working together can deliver less costly greenhouse gas reductions.



Enhanced conservation measures lower costs & emissions.



Energy communities can partner in green energy technologies like **Combined Heat & Power, Geothermal systems** and **CNG**.



Greening the gas supply is a realistic, affordable option. **Hydrogen** and **RNG** are reducing emissions.

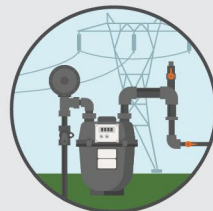
Reliable



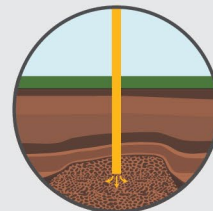
Natural gas serves over **30%** of Ontario's energy needs.



Energizing critical technologies that need more intensity than electricity can provide.

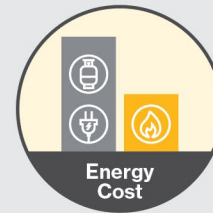


Renewable electricity requires natural gas.

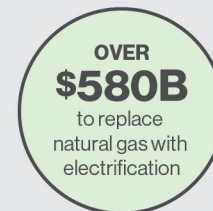


Natural gas supply diversity & storage capability delivers **99.9%** energy reliability.

Affordable



Natural gas is the **most affordable** energy choice. It is half the cost of other energy, helping Ontario families and business thrive.



Full electrification in Canada would present **significant financial hardship** for consumers.

From: [McNeil, Amanda](#)
To: [Donna Popovic](#)
Cc: [Kendra Black](#); [Mark Dinner](#); [Brake, Kevin](#)
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas
Date: Tuesday, October 31, 2023 1:17:04 PM
Attachments: [image002.jpg](#)
[image007.jpg](#)
[image009.jpg](#)
[image001.jpg](#)
[image003.jpg](#)
[image004.jpg](#)

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Kind regards,

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Subject: RE: Town of EG Deputation Request - Enbridge Gas

Importance: High

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Hi Kevin, et Amanda,

Please find attached the Enbridge Letter of Support and the East Gwillimbury Community Expansion Project presentation materials for Council. To the presentation, we will also have an addendum for a LTC project map. It is not finalized yet and will need to be added to the appendix.

I have cc'd the Clerk's Office here for reference to the submission of these materials.

Please let me know if anything further is required prior to the November 7th meeting.

Thank you.

Donna Popovic

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Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

Subject: FW: Town of EG Deputation Request - Enbridge Gas

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region

Public Affairs & Communications

donna.popovic@enbridge.com

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500 Consumers Road, Toronto, ON, M2J 1P8

enbridgegas.com

Safety. Integrity. Respect.

From: McNeil, Amanda <amcneil@eastwillimbury.ca>
Sent: Wednesday, October 25, 2023 11:44 AM
To: Kendra Black <Kendra.Black@enbridge.com>
Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastwillimbury.ca>; Brake, Kevin <kbrake@eastwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

CAUTION! EXTERNAL SENDER

Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastwillimbury.ca to advise of the change.
- Once you click on the meeting invite and/or call in to the meeting, you will be placed into a lobby and staff will admit you into the meeting.
- Once you have joined the meeting, ensure to keep your microphone on mute until the Mayor has acknowledged you, and asks that you provide your comments.
- Please begin your deputation with “Good morning, Madam Mayor and members of Council.” When asked a question, please begin your response with “Through you, Madam Mayor.”
- All deputants are limited to **5 minutes** of speaking at a Council Meeting.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply “leave” the virtual meeting and/or end your call.

You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastwillimbury.ca or to myself by **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>

Sent: Wednesday, October 18, 2023 4:07 PM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Cc: Donna Popovic <donna.popovic@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Sent: Wednesday, October 18, 2023 3:49 PM

To: Kendra Black <Kendra.Black@enbridge.com>

Subject: [External] Town of EG Deputation Request - Enbridge Gas

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Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: [Donna Popovic](#)
To: [McNeil, Amanda](#)
Cc: [Kendra Black](#); [Mark Dinner](#); [Brake, Kevin](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Tuesday, October 31, 2023 4:04:00 PM
Attachments: [image002.jpg](#)
[image006.jpg](#)
[image008.jpg](#)
[image001.jpg](#)
[image003.jpg](#)
[image004.jpg](#)

Hi Amanda,

Thanks very much for confirming our presentation materials have been received.

Our team will be attending the meeting virtually, including myself, Mark Dinner and Amanda Thoms.

Please let me know if you require any further information.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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enbridgegas.com
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From: McNeil, Amanda <amcneil@eastwillimbury.ca>
Sent: Tuesday, October 31, 2023 1:16 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Brake, Kevin <kbrake@eastwillimbury.ca>
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Hi Donna,

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Could you kindly confirm who from your team will be making the presentation, as well as if they are

still intending to appear virtually?

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

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Cc: Walkom, Andrew <AWalkom@eastgwillimbury.ca>; Clerks <Clerks@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

Importance: High

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Hi Kevin, et Amanda,

Please find attached the Enbridge Letter of Support and the East Gwillimbury Community Expansion Project presentation materials for Council. To the presentation, we will also have an addendum for a LTC project map. It is not finalized yet and will need to be added to the appendix.

I have cc'd the Clerk's Office here for reference to the submission of these materials.

Please let me know if anything further is required prior to the November 7th meeting.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications

donna.popovic@enbridge.com

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From: Donna Popovic

Sent: Tuesday, October 31, 2023 10:28 AM

To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Walkom, Andrew <AWalkom@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Importance: High

Hi Kevin,

I will be sending the presentation materials to you shortly. I'm waiting on a final approval for one of the products and will have everything submitted in the next half hour.

Thanks.
Donna

From: Brake, Kevin <kbrake@eastgwillimbury.ca>
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To: Donna Popovic <donna.popovic@enbridge.com>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Walkom, Andrew <AWalkom@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Our Clerks Department has advised the can provide an extension until Tuesday morning for delivery of the presentation.

Thanks,

Kevin

From: Brake, Kevin
Sent: Friday, October 27, 2023 1:11 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Donna,

This would be up to Clerks, I will follow and advise.

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Friday, October 27, 2023 11:48 AM
To: Brake, Kevin <kbrake@eastwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up the submission of materials, much of our team is away today and we need to get the final materials through review and approvals. Would it be possible to submit our materials by Tuesday morning, please?

Thanks.
Donna

From: Donna Popovic
Sent: Friday, October 27, 2023 11:15 AM
To: Brake, Kevin <kbrake@eastwillimbury.ca>; McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Sudhakaran, Renju <RSudhakaran@eastwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Kevin,

Thanks for the update! I will aim to have it by Monday afternoon! I'll follow up if there are any issues.

Have a great weekend.
Donna

From: Brake, Kevin <kbrake@eastwillimbury.ca>
Sent: Friday, October 27, 2023 10:55 AM
To: Donna Popovic <donna.popovic@enbridge.com>; McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Sudhakaran, Renju <RSudhakaran@eastwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Clerks has advised that the presentation needs to be provided by Monday October 30th to allow time for publishing of the agenda on Tuesday.

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 2:33 PM
To: Brake, Kevin <kbrake@eastwillimbury.ca>; McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Thanks for the prompt response. This is a helpful explanation and provides further clarity on direction for our attendance. I'll work with our team on a short and concise presentation 3-5 minutes and supporting materials, including the draft support letter.

[@McNeil, Amanda](#) I will aim to have all the materials to you by EOD October 31st. If there are any issues, I'll follow up to coordinate with you directly.

Thank you both kindly for accommodating our request and making this possible on such a tight timeline. It's much appreciated!

Best,

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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From: Brake, Kevin <kbrake@eastwillimbury.ca>
Sent: Wednesday, October 25, 2023 2:18 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: McNeil, Amanda <amcneil@eastwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>;

Mark Dinner <Mark.Dinner@enbridge.com>

Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Apologies for any confusion.

Yes, we were trying to defer the presentation if possible and did discuss the possibility of a written request for support with a future presentation however we felt that this may create an opportunity for support to be deferred until the presentation could be received.

As we discussed during our conversation that receiving the letter of support is somewhat time-sensitive, we decided to have you go ahead with the presentation to avoid any confusion or questions about a future presentation, hence the communication from Amanda regarding confirmation of deputation on the November 7th agenda.

I hope this clarifies things. If the presentation could be kept to 3-5 minutes it would be appreciated. If you could mention in the presentation that you have been working with town staff through the process and that we are supportive of the initiative, it would be appreciated. I'm assuming you will also note public engagement to date regarding the project?

Apologies again for any confusion.

Regards,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Wednesday, October 25, 2023 1:31 PM

To: Brake, Kevin <kbrake@eastgwillimbury.ca>

Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

Subject: FW: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially

requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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enbridgegas.com
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From: McNeil, Amanda <amcneil@eastwillimbury.ca>
Sent: Wednesday, October 25, 2023 11:44 AM
To: Kendra Black <Kendra.Black@enbridge.com>
Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastwillimbury.ca>; Brake, Kevin <kbrake@eastwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000

Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

VIRTUAL MEETING PROCEDURES

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- Please begin your deputation with “Good morning, Madam Mayor and members of Council.” When asked a question, please begin your response with “Through you, Madam Mayor.”
- All deputants are limited to **5 minutes** of speaking at a Council Meeting.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
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You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastgwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>

Sent: Wednesday, October 18, 2023 4:07 PM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Cc: Donna Popovic <donna.popovic@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 18, 2023 3:49 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] Town of EG Deputation Request - Enbridge Gas

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Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: [McNeil, Amanda](#)
To: [Donna Popovic](#)
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas
Date: Wednesday, November 1, 2023 8:49:22 AM
Attachments: [image002.jpg](#)
[image006.jpg](#)
[image008.jpg](#)
[image001.jpg](#)
[image003.jpg](#)
[image004.jpg](#)

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Perfect, thank you!

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Tuesday, October 31, 2023 4:04 PM
To: McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Brake, Kevin <kbrake@eastwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Amanda,

Thanks very much for confirming our presentation materials have been received.

Our team will be attending the meeting virtually, including myself, Mark Dinner and Amanda Thoms.

Please let me know if you require any further information.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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Legislative Coordinator

Town of East Gwillimbury

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Importance: High

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Hi Kevin, et Amanda,

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I have cc'd the Clerk's Office here for reference to the submission of these materials.

Please let me know if anything further is required prior to the November 7th meeting.

Thank you.

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Subject: RE: Town of EG Deputation Request - Enbridge Gas

Importance: High

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Donna

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Hi Donna,

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Kevin

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Sudhakaran, Renju <RSudhakaran@eastwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Kevin,

Thanks for the update! I will aim to have it by Monday afternoon! I'll follow up if there are any

issues.

Have a great weekend.

Donna

From: Brake, Kevin <kbrake@eastwillimbury.ca>
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Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 2:33 PM
To: Brake, Kevin <kbrake@eastwillimbury.ca>; McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Kevin,

Thanks for the prompt response. This is a helpful explanation and provides further clarity on direction for our attendance. I'll work with our team on a short and concise presentation 3-5 minutes and supporting materials, including the draft support letter.

[@McNeil, Amanda](#) I will aim to have all the materials to you by EOD October 31st. If there are any issues, I'll follow up to coordinate with you directly.

Thank you both kindly for accommodating our request and making this possible on such a tight

timeline. It's much appreciated!

Best,

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications

donna.popovic@enbridge.com

ENBRIDGE GAS INC.

500 Consumers Road, Toronto, ON, M2J 1P8

enbridgegas.com

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From: Brake, Kevin <kbrake@eastgwillimbury.ca>

Sent: Wednesday, October 25, 2023 2:18 PM

To: Donna Popovic <donna.popovic@enbridge.com>

Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>;

Mark Dinner <Mark.Dinner@enbridge.com>

Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Apologies for any confusion.

Yes, we were trying to defer the presentation if possible and did discuss the possibility of a written request for support with a future presentation however we felt that this may create an opportunity for support to be deferred until the presentation could be received.

As we discussed during our conversation that receiving the letter of support is somewhat time-sensitive, we decided to have you go ahead with the presentation to avoid any confusion or questions about a future presentation, hence the communication from Amanda regarding confirmation of deputation on the November 7th agenda.

I hope this clarifies things. If the presentation could be kept to 3-5 minutes it would be appreciated. If you could mention in the presentation that you have been working with town staff through the process and that we are supportive of the initiative, it would be appreciated. I'm assuming you will also note public engagement to date regarding the project?

Apologies again for any confusion.

Regards,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 1:31 PM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>;
Mark Dinner <Mark.Dinner@enbridge.com>
Subject: FW: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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enbridgegas.com
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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 25, 2023 11:44 AM
To: Kendra Black <Kendra.Black@enbridge.com>
Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

CAUTION! EXTERNAL SENDER

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastgwillimbury.ca to advise of the change.
- Once you click on the meeting invite and/or call in to the meeting, you will be placed into a lobby and staff will admit you into the meeting.
- Once you have joined the meeting, ensure to keep your microphone on mute until the Mayor has acknowledged you, and asks that you provide your comments.
- Please begin your deputation with "Good morning, Madam Mayor and members of Council." When asked a question, please begin your response with "Through you, Madam Mayor."
- All deputants are limited to **5 minutes** of speaking at a Council Meeting.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply "leave" the virtual meeting and/or end your call.

You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastgwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator
Town of East Gwillimbury
19000 Leslie Street, Sharon, Ontario L0G 1V0
905-478-4282 Ext. 1256 | Fax: 905-478-2808
amcneil@eastgwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Wednesday, October 18, 2023 4:07 PM
To: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 18, 2023 3:49 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] Town of EG Deputation Request - Enbridge Gas

CAUTION! EXTERNAL SENDER

Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator
Town of East Gwillimbury
19000 Leslie Street, Sharon, Ontario L0G 1V0
905-478-4282 Ext. 1256 | Fax: 905-478-2808
amcneil@eastgwillimbury.ca

From: [Donna Popovic](#)
To: [McNeil, Amanda](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Thursday, November 2, 2023 3:32:00 PM
Attachments: [image002.jpg](#)
[image006.jpg](#)
[image008.jpg](#)
[image001.jpg](#)
[image003.jpg](#)
[image004.jpg](#)

Hi Amanda,

A few follow up questions from our team for Tuesday's meeting.

The council meeting is schedule for 3 hours, do we sign on for the full time or is there a specific time we should be joining the meeting virtually?

What is the protocol for addressing Mayor and Council? I ask as every municipality has their own formal process for Council meetings, and we'd like to ensure we follow protocol.

Also, we have an update project map to add as part of our presentation, can we submit the additional reference materials at this time? Should be include it in out presentation and note the addition to Council?

Please let me know if there are any other meeting details or procedures that we should be aware of for Tuesday.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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500 Consumers Road, Toronto, ON, M2J 1P8
enbridgegas.com
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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, November 1, 2023 8:49 AM
To: Donna Popovic <donna.popovic@enbridge.com>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Perfect, thank you!

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Tuesday, October 31, 2023 4:04 PM
To: McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Brake, Kevin <kbrake@eastwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Amanda,

Thanks very much for confirming our presentation materials have been received.

Our team will be attending the meeting virtually, including myself, Mark Dinner and Amanda Thoms.

Please let me know if you require any further information.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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From: McNeil, Amanda <amcneil@eastwillimbury.ca>
Sent: Tuesday, October 31, 2023 1:16 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Brake, Kevin <kbrake@eastwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Donna,

Thank you for sending along the presentation materials. I can confirm receipt.

Could you kindly confirm who from your team will be making the presentation, as well as if they are still intending to appear virtually?

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Tuesday, October 31, 2023 11:04 AM

To: Brake, Kevin <kbrake@eastgwillimbury.ca>; McNeil, Amanda <amcneil@eastgwillimbury.ca>

Cc: Walkom, Andrew <AWalkom@eastgwillimbury.ca>; Clerks <Clerks@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

Importance: High

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Hi Kevin, et Amanda,

Please find attached the Enbridge Letter of Support and the East Gwillimbury Community Expansion Project presentation materials for Council. To the presentation, we will also have an addendum for a LTC project map. It is not finalized yet and will need to be added to the appendix.

I have cc'd the Clerk's Office here for reference to the submission of these materials.

Please let me know if anything further is required prior to the November 7th meeting.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region

Public Affairs & Communications

donna.popovic@enbridge.com

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From: Donna Popovic
Sent: Tuesday, October 31, 2023 10:28 AM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Walkom, Andrew <AWalkom@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Importance: High

Hi Kevin,

I will be sending the presentation materials to you shortly. I'm waiting on a final approval for one of the products and will have everything submitted in the next half hour.

Thanks.
Donna

From: Brake, Kevin <kbrake@eastgwillimbury.ca>
Sent: Friday, October 27, 2023 4:25 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Walkom, Andrew <AWalkom@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Our Clerks Department has advised the can provide an extension until Tuesday morning for delivery of the presentation.

Thanks,

Kevin

From: Brake, Kevin
Sent: Friday, October 27, 2023 1:11 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Donna,

This would be up to Clerks, I will follow and advise.

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Friday, October 27, 2023 11:48 AM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up the submission of materials, much of our team is away today and we need to get the final materials through review and approvals. Would it be possible to submit our materials by Tuesday morning, please?

Thanks.
Donna

From: Donna Popovic
Sent: Friday, October 27, 2023 11:15 AM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>; McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Sudhakaran, Renju <RSudhakaran@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Kevin,

Thanks for the update! I will aim to have it by Monday afternoon! I'll follow up if there are any issues.

Have a great weekend.
Donna

From: Brake, Kevin <kbrake@eastgwillimbury.ca>
Sent: Friday, October 27, 2023 10:55 AM
To: Donna Popovic <donna.popovic@enbridge.com>; McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Sudhakaran, Renju <RSudhakaran@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Clerks has advised that the presentation needs to be provided by Monday October 30th to allow time for publishing of the agenda on Tuesday.

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Wednesday, October 25, 2023 2:33 PM

To: Brake, Kevin <kbrake@eastwillimbury.ca>; McNeil, Amanda <amcneil@eastwillimbury.ca>

Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Thanks for the prompt response. This is a helpful explanation and provides further clarity on direction for our attendance. I'll work with our team on a short and concise presentation 3-5 minutes and supporting materials, including the draft support letter.

[@McNeil, Amanda](#) I will aim to have all the materials to you by EOD October 31st. If there are any issues, I'll follow up to coordinate with you directly.

Thank you both kindly for accommodating our request and making this possible on such a tight timeline. It's much appreciated!

Best,

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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enbridgegas.com

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From: Brake, Kevin <kbrake@eastwillimbury.ca>

Sent: Wednesday, October 25, 2023 2:18 PM

To: Donna Popovic <donna.popovic@enbridge.com>
Cc: McNeil, Amanda <amcneil@eastwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>;
Mark Dinner <Mark.Dinner@enbridge.com>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Apologies for any confusion.

Yes, we were trying to defer the presentation if possible and did discuss the possibility of a written request for support with a future presentation however we felt that this may create an opportunity for support to be deferred until the presentation could be received.

As we discussed during our conversation that receiving the letter of support is somewhat time-sensitive, we decided to have you go ahead with the presentation to avoid any confusion or questions about a future presentation, hence the communication from Amanda regarding confirmation of deputation on the November 7th agenda.

I hope this clarifies things. If the presentation could be kept to 3-5 minutes it would be appreciated. If you could mention in the presentation that you have been working with town staff through the process and that we are supportive of the initiative, it would be appreciated. I'm assuming you will also note public engagement to date regarding the project?

Apologies again for any confusion.

Regards,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 1:31 PM
To: Brake, Kevin <kbrake@eastwillimbury.ca>
Cc: McNeil, Amanda <amcneil@eastwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>;
Mark Dinner <Mark.Dinner@enbridge.com>
Subject: FW: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 25, 2023 11:44 AM
To: Kendra Black <Kendra.Black@enbridge.com>
Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastgwillimbury.ca to advise of the change.
- Once you click on the meeting invite and/or call in to the meeting, you will be placed into a lobby and staff will admit you into the meeting.
- Once you have joined the meeting, ensure to keep your microphone on mute until the Mayor has acknowledged you, and asks that you provide your comments.
- Please begin your deputation with “Good morning, Madam Mayor and members of Council.” When asked a question, please begin your response with “Through you, Madam Mayor.”
- All deputants are limited to **5 minutes** of speaking at a Council Meeting.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply “leave” the virtual meeting and/or end your call.

You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastgwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>

Sent: Wednesday, October 18, 2023 4:07 PM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Cc: Donna Popovic <donna.popovic@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 18, 2023 3:49 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] Town of EG Deputation Request - Enbridge Gas

CAUTION! EXTERNAL SENDER

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Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: [McNeil, Amanda](#)
To: [Donna Popovic](#)
Cc: [Clerks](#)
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas
Date: Friday, November 3, 2023 11:55:17 AM
Attachments: [image002.jpg](#)
[image006.jpg](#)
[image008.jpg](#)
[image001.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image010.jpg](#)

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Hi Donna,

You are scheduled to present second at Tuesday's meeting, right at the beginning, so I would recommend signing on at least ten minutes before the meeting starts to get yourselves settled, at **9:50 a.m.** Someone from our team will admit you to the meeting from the virtual Teams lobby. Following your presentation, you are free to leave – no need to stick around for the full meeting unless you are interested.

Mayor Hackson will be away during your presentation and Councillor Crone will be acting as Mayor for the meeting. When beginning your presentation, please start with "Good morning, Mr. Chair and members of Council." When asked a question, please begin your response with "Through you, Mr. Chair." Alternatively, you may use "Mr. Acting Mayor."

Please find some other tips on appearing virtually before Council below:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastwillimbury.ca to advise of the change.
- Once you have joined the meeting, ensure to keep your microphone on mute until the Acting Mayor has acknowledged you.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a Council question.
- After Council has concluded deliberating/voting on your item, you can simply "leave" the virtual meeting and/or end your call.

Since the agenda has already been published, your additional reference material will not be part of the public agenda; however please send it to me and I will distribute it to Council members ahead of next week's meeting. That way they have context should you refer to it in the presentation.

Please let me know if you have any other questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Thursday, November 2, 2023 3:33 PM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Amanda,

A few follow up questions from our team for Tuesday's meeting.

The council meeting is schedule for 3 hours, do we sign on for the full time or is there a specific time we should be joining the meeting virtually?

What is the protocol for addressing Mayor and Council? I ask as every municipality has their own formal process for Council meetings, and we'd like to ensure we follow protocol.

Also, we have an update project map to add as part of our presentation, can we submit the additional reference materials at this time? Should be include it in out presentation and note the addition to Council?

Please let me know if there are any other meeting details or procedures that we should be aware of for Tuesday.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications

donna.popovic@enbridge.com

ENBRIDGE GAS INC.

500 Consumers Road, Toronto, ON, M2J 1P8

enbridgegas.com

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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Sent: Wednesday, November 1, 2023 8:49 AM
To: Donna Popovic <donna.popovic@enbridge.com>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

CAUTION! EXTERNAL SENDER

Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Perfect, thank you!

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Tuesday, October 31, 2023 4:04 PM
To: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Brake, Kevin <kbrake@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Amanda,

Thanks very much for confirming our presentation materials have been received.

Our team will be attending the meeting virtually, including myself, Mark Dinner and Amanda Thoms.

Please let me know if you require any further information.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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Hi Donna,

Thank you for sending along the presentation materials. I can confirm receipt.

Could you kindly confirm who from your team will be making the presentation, as well as if they are still intending to appear virtually?

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

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Cc: Walkom, Andrew <AWalkom@eastgwillimbury.ca>; Clerks <Clerks@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

Importance: High

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Hi Kevin, et Amanda,

Please find attached the Enbridge Letter of Support and the East Gwillimbury Community Expansion Project presentation materials for Council. To the presentation, we will also have an addendum for a LTC project map. It is not finalized yet and will need to be added to the appendix.

I have cc'd the Clerk's Office here for reference to the submission of these materials.

Please let me know if anything further is required prior to the November 7th meeting.

Thank you.

Donna Popovic

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donna.popovic@enbridge.com

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Hi Kevin,

I will be sending the presentation materials to you shortly. I'm waiting on a final approval for one of the products and will have everything submitted in the next half hour.

Thanks.
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From: Brake, Kevin <kbrake@eastwillimbury.ca>
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Hi Donna,

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Thanks,

Kevin

From: Brake, Kevin

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This would be up to Clerks, I will follow and advise.

Thanks,

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Sudhakaran, Renju <RSudhakaran@eastwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Kevin,

Thanks for the update! I will aim to have it by Monday afternoon! I'll follow up if there are any issues.

Have a great weekend.
Donna

From: Brake, Kevin <kbrake@eastwillimbury.ca>
Sent: Friday, October 27, 2023 10:55 AM
To: Donna Popovic <donna.popovic@enbridge.com>; McNeil, Amanda <amcneil@eastwillimbury.ca>
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Hi Donna,

Clerks has advised that the presentation needs to be provided by Monday October 30th to allow time for publishing of the agenda on Tuesday.

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 2:33 PM
To: Brake, Kevin <kbrake@eastwillimbury.ca>; McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Thanks for the prompt response. This is a helpful explanation and provides further clarity on direction for our attendance. I'll work with our team on a short and concise presentation 3-5 minutes and supporting materials, including the draft support letter.

[@McNeil, Amanda](#) I will aim to have all the materials to you by EOD October 31st. If there are any issues, I'll follow up to coordinate with you directly.

Thank you both kindly for accommodating our request and making this possible on such a tight timeline. It's much appreciated!

Best,

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region

Public Affairs & Communications
donna.popovic@enbridge.com

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500 Consumers Road, Toronto, ON, M2J 1P8

enbridgegas.com

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From: Brake, Kevin <kbrake@eastgwillimbury.ca>
Sent: Wednesday, October 25, 2023 2:18 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Apologies for any confusion.

Yes, we were trying to defer the presentation if possible and did discuss the possibility of a written request for support with a future presentation however we felt that this may create an opportunity for support to be deferred until the presentation could be received.

As we discussed during our conversation that receiving the letter of support is somewhat time-sensitive, we decided to have you go ahead with the presentation to avoid any confusion or questions about a future presentation, hence the communication from Amanda regarding confirmation of deputation on the November 7th agenda.

I hope this clarifies things. If the presentation could be kept to 3-5 minutes it would be appreciated. If you could mention in the presentation that you have been working with town staff through the process and that we are supportive of the initiative, it would be appreciated. I'm assuming you will also note public engagement to date regarding the project?

Apologies again for any confusion.

Regards,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 1:31 PM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>;

Mark Dinner <Mark.Dinner@enbridge.com>

Subject: FW: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Sent: Wednesday, October 25, 2023 11:44 AM

To: Kendra Black <Kendra.Black@enbridge.com>

Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;

Clerks <Clerks@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>

Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastgwillimbury.ca to advise of the change.
- Once you click on the meeting invite and/or call in to the meeting, you will be placed into a lobby and staff will admit you into the meeting.
- Once you have joined the meeting, ensure to keep your microphone on mute until the Mayor has acknowledged you, and asks that you provide your comments.
- Please begin your deputation with “Good morning, Madam Mayor and members of Council.” When asked a question, please begin your response with “Through you, Madam Mayor.”
- All deputants are limited to **5 minutes** of speaking at a Council Meeting.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply “leave” the virtual meeting and/or end your call.

You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastgwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>
Sent: Wednesday, October 18, 2023 4:07 PM
To: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, October 18, 2023 3:49 PM
To: Kendra Black <Kendra.Black@enbridge.com>
Subject: [External] Town of EG Deputation Request - Enbridge Gas

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Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: [Donna Popovic](#)
To: [McNeil, Amanda](#)
Cc: [Clerks](#)
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Date: Friday, November 3, 2023 12:38:00 PM
Attachments: [East Gwillimbury Community Expansion Project LTC Map.png](#)
[image002.jpg](#)
[image009.jpg](#)
[image012.jpg](#)
[East Gwillimbury Community Expansion Project LTC Final Nov 7.pptx](#)
[image001.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image006.jpg](#)

Hi Amanda,

We've added the attached East Gwillimbury Expansion Project LTC Map to our presentation. This will only be show as a visual reference for the proposed expansion route. I've attached the map image and the updates slides with the map.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Friday, November 3, 2023 11:55 AM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Clerks <Clerks@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

You are scheduled to present second at Tuesday's meeting, right at the beginning, so I would recommend signing on at least ten minutes before the meeting starts to get yourselves settled, at **9:50 a.m.** Someone from our team will admit you to the meeting from the virtual Teams lobby. Following your presentation, you are free to leave – no need to stick around for the full meeting

unless you are interested.

Mayor Hackson will be away during your presentation and Councillor Crone will be acting as Mayor for the meeting. When beginning your presentation, please start with "Good morning, Mr. Chair and members of Council." When asked a question, please begin your response with "Through you, Mr. Chair." Alternatively, you may use "Mr. Acting Mayor."

Please find some other tips on appearing virtually before Council below:

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- Once you have joined the meeting, ensure to keep your microphone on mute until the Acting Mayor has acknowledged you.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a Council question.
- After Council has concluded deliberating/voting on your item, you can simply "leave" the virtual meeting and/or end your call.

Since the agenda has already been published, your additional reference material will not be part of the public agenda; however please send it to me and I will distribute it to Council members ahead of next week's meeting. That way they have context should you refer to it in the presentation.

Please let me know if you have any other questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Thursday, November 2, 2023 3:33 PM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Amanda,

A few follow up questions from our team for Tuesday's meeting.

The council meeting is schedule for 3 hours, do we sign on for the full time or is there a specific time we should be joining the meeting virtually?

What is the protocol for addressing Mayor and Council? I ask as every municipality has their own formal process for Council meetings, and we'd like to ensure we follow protocol.

Also, we have an update project map to add as part of our presentation, can we submit the additional reference materials at this time? Should be include it in out presentation and note the addition to Council?

Please let me know if there are any other meeting details or procedures that we should be aware of for Tuesday.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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Perfect, thank you!

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Hi Amanda,

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Our team will be attending the meeting virtually, including myself, Mark Dinner and Amanda Thoms.

Please let me know if you require any further information.

Thank you.

Donna Popovic

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I have cc'd the Clerk's Office here for reference to the submission of these materials.

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Donna Popovic

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Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Kevin,

Thanks for the update! I will aim to have it by Monday afternoon! I'll follow up if there are any issues.

Have a great weekend.
Donna

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To: Donna Popovic <donna.popovic@enbridge.com>; McNeil, Amanda <amcneil@eastgwillimbury.ca>
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Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 2:33 PM
To: Brake, Kevin <kbrake@eastwillimbury.ca>; McNeil, Amanda <amcneil@eastwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Thanks for the prompt response. This is a helpful explanation and provides further clarity on direction for our attendance. I'll work with our team on a short and concise presentation 3-5 minutes and supporting materials, including the draft support letter.

[@McNeil, Amanda](#) I will aim to have all the materials to you by EOD October 31st. If there are any issues, I'll follow up to coordinate with you directly.

Thank you both kindly for accommodating our request and making this possible on such a tight timeline. It's much appreciated!

Best,

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

ENBRIDGE GAS INC.

500 Consumers Road, Toronto, ON, M2J 1P8
enbridgegas.com
Safety. Integrity. Respect.

From: Brake, Kevin <kbrake@eastwillimbury.ca>
Sent: Wednesday, October 25, 2023 2:18 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: McNeil, Amanda <amcneil@eastwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Donna,

Apologies for any confusion.

Yes, we were trying to defer the presentation if possible and did discuss the possibility of a written request for support with a future presentation however we felt that this may create an opportunity for support to be deferred until the presentation could be received.

As we discussed during our conversation that receiving the letter of support is somewhat time-sensitive, we decided to have you go ahead with the presentation to avoid any confusion or questions about a future presentation, hence the communication from Amanda regarding confirmation of deputation on the November 7th agenda.

I hope this clarifies things. If the presentation could be kept to 3-5 minutes it would be appreciated. If you could mention in the presentation that you have been working with town staff through the process and that we are supportive of the initiative, it would be appreciated. I'm assuming you will also note public engagement to date regarding the project?

Apologies again for any confusion.

Regards,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 1:31 PM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: FW: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

ENBRIDGE GAS INC.

500 Consumers Road, Toronto, ON, M2J 1P8
enbridgegas.com
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From: McNeil, Amanda <amcneil@eastwillimbury.ca>
Sent: Wednesday, October 25, 2023 11:44 AM
To: Kendra Black <Kendra.Black@enbridge.com>
Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastwillimbury.ca>; Brake, Kevin <kbrake@eastwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastwillimbury.ca to advise of the change.
- Once you click on the meeting invite and/or call in to the meeting, you will be placed into a

lobby and staff will admit you into the meeting.

- Once you have joined the meeting, ensure to keep your microphone on mute until the Mayor has acknowledged you, and asks that you provide your comments.
- Please begin your deputation with “Good morning, Madam Mayor and members of Council.” When asked a question, please begin your response with “Through you, Madam Mayor.”
- All deputants are limited to **5 minutes** of speaking at a Council Meeting.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply “leave” the virtual meeting and/or end your call.

You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastgwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>

Sent: Wednesday, October 18, 2023 4:07 PM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Cc: Donna Popovic <donna.popovic@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Sent: Wednesday, October 18, 2023 3:49 PM

To: Kendra Black <Kendra.Black@enbridge.com>

Subject: [External] Town of EG Deputation Request - Enbridge Gas

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.**

Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

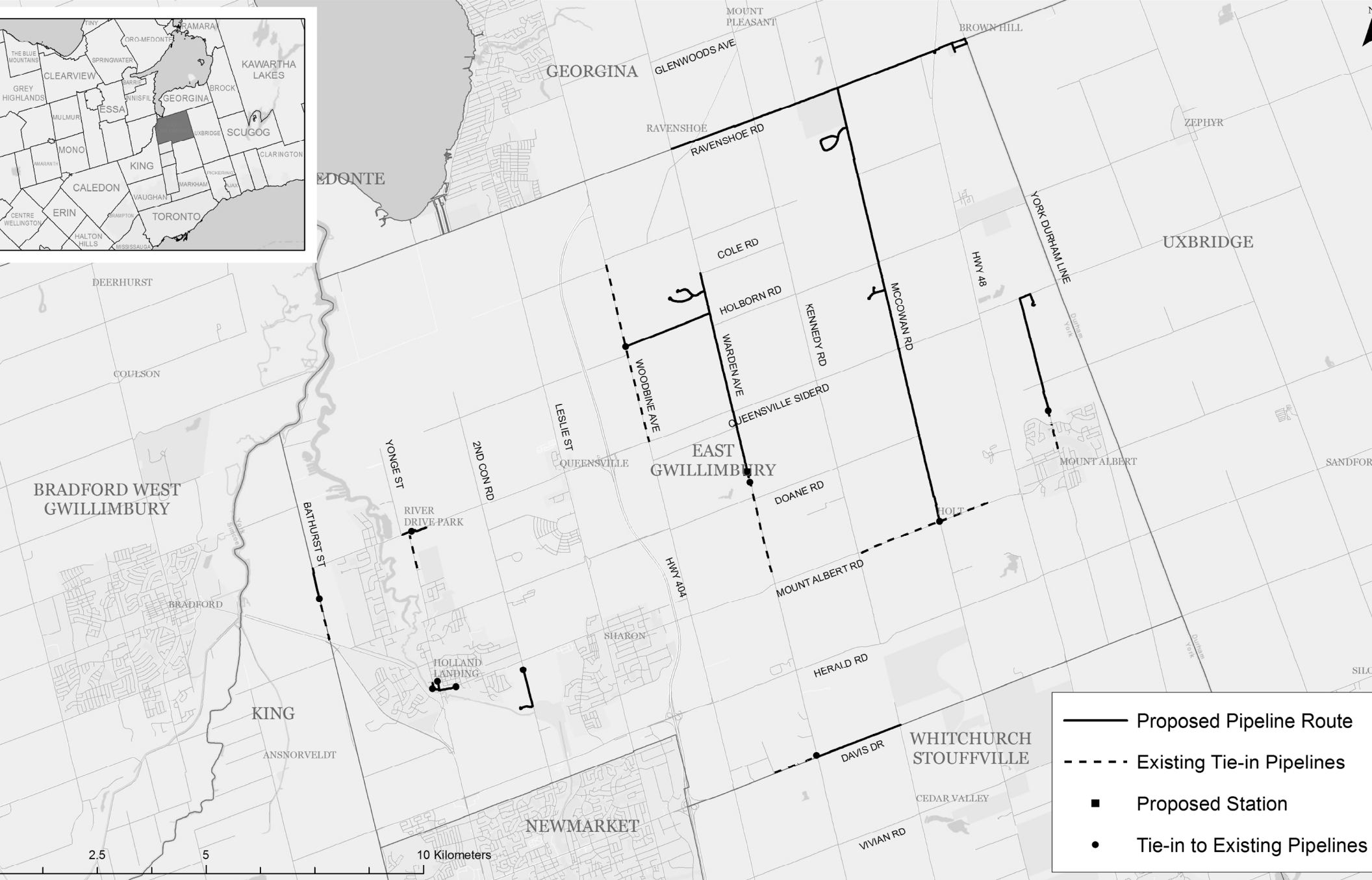
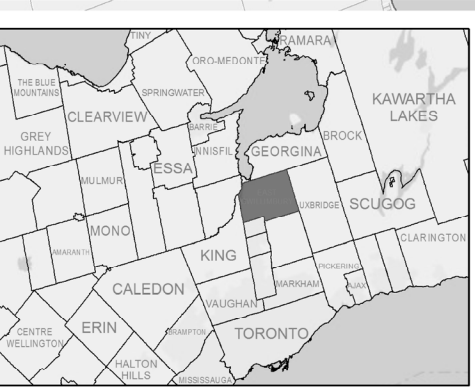
Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca



	Proposed Pipeline Route
	Existing Tie-in Pipelines
	Proposed Station
	Tie-in to Existing Pipelines

East Gwillimbury Community Expansion Project

Enbridge Gas Update

November 7, 2023



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Agenda

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Team Introductions



Purpose

- The East Gwillimbury Community Expansion Project will provide residents, businesses, and industries located within the project area with access to safe, reliable, and affordable natural gas, in accordance with Phase Two of Ontario’s Natural Gas Expansion Program.

Scope

- There are a total of 9 Sections of proposed natural gas pipelines that make up the project scope
- Two New Distribution Stations will be added at Warden Ave. approximately 500m north of Doane Rd., and at the intersection of Mount Albert Rd. and McCowan Rd.
- Approximately 37 km of new pipeline is proposed surrounding the Town of East Gwillimbury and area

Customer Attachment

- Expected Customers – Approx 364
 - Residential: 344
 - Commercial/Industrial: 20

Pipe Material	Pipe Size (NPS)	Approx Length (m)
PE	2	27,000
PE	4	10,400
ST	2	100
ST	4	100
Total		37,600

Leave to Construct Application Requirements

For the Ontario Energy Board (OEB) to approve the East Gwillimbury Community Expansion project for construction a “Leave to Construct” (LTC) application is required.

Enbridge Gas is required to provide the following details to file an LTC application:

- ✓ Need for the project
- ✓ System Planning & Project Alternatives
- ✓ Project Cost & Economic Considerations
- ✓ Environmental Assessment Report
- ✓ Design and Construction Details
- ✓ Route Map and Form of Landowner Agreements
- ✓ Indigenous Consultation

**May include written expression of support for the proposed project from the local government (OEB Guidelines - EB-2019-0255)*



Ontario Energy Board

ENVIRONMENTAL GUIDELINES FOR THE
LOCATION, CONSTRUCTION AND OPERATION
OF HYDROCARBON PIPELINES
AND FACILITIES IN ONTARIO

7th Edition
2016

Letter of Support



Enbridge hopes to work with the community to file a “Leave to Construct” (LTC) application with the OEB in November 2023.



Your support can strengthen our application to reinforce the need and benefits to the community of this important project.

Anticipated OEB Process and Timing



East Gwillimbury Natural Gas Expansion Project

Anticipated Project Schedule

Proposed Timeline*	
2022-2024	Planning and Design <ul style="list-style-type: none"> • Pre-work • Environmental Surveys • Preliminary Preferred Route and Alternative Route Analysis • Ongoing Consultations
Q2 2024	Regulatory Approvals (OEB Hearing)
Q3 2024	Construction Commences

Thank you!

Appendix

Customer Attachment Overview



1-833-356-2689

CEAPPLICATIONS@enbridge.com or by calling

Enbridge Gas Inc.



North America's largest natural gas storage, transmission and distribution company

We deliver the energy that enhances people's quality of life.

- **Values:** Safety, Integrity, Respect, Inclusion.
- **Ambition:** To be the sustainable and reliable energy provider of choice.
- **Experience:** 175 years of experience in safe and reliable service.
- **Distribution business:** 3.9M customers, heating >75% of Ontario homes.
- **Dawn Storage Hub:** Canada's largest integrated underground storage facility and one of the top gas trading hubs in North America.
- **Leading Ontario's transition to net-zero emissions**
Advancing conservation, renewable gases and clean technologies for heat, transportation and industrial processes.

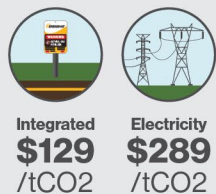


The Future of Energy

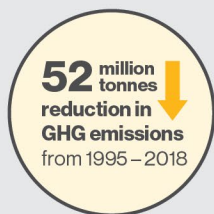
As our population grows, the demand for energy is increasing as are concerns about our environment. What can be done to transition to a lower-carbon energy supply that is there when we need it, at a cost we can afford?



Clean



Energy systems working together can deliver less costly greenhouse gas reductions.

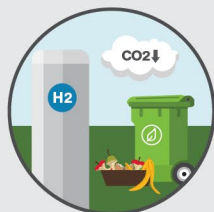


Enhanced conservation measures lower costs & emissions.



Opportunities to partner in green energy

Energy communities can partner in green energy technologies like **Combined Heat & Power, Geothermal systems** and **CNG**.



Greening the gas supply is a realistic, affordable option. **Hydrogen** and **RNG** are reducing emissions.

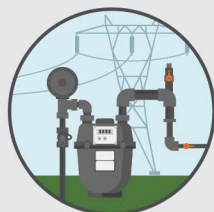
Reliable



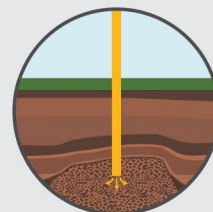
Natural gas serves over **30%** of Ontario's energy needs.



Energizing critical technologies that need more intensity than electricity can provide.

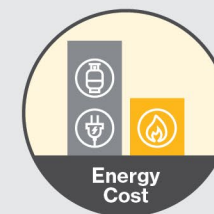


Renewable electricity requires natural gas.

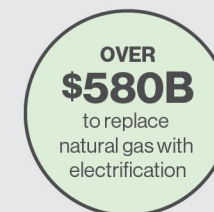


Natural gas supply diversity & storage capability delivers **99.9%** energy reliability.

Affordable



Natural gas is the **most affordable** energy choice. It is half the cost of other energy, helping Ontario families and business thrive.



Full electrification in Canada would present **significant financial hardship** for consumers.

From: [McNeil, Amanda](#)
To: [Donna Popovic](#)
Cc: [Clerks](#)
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas
Date: Friday, November 3, 2023 3:47:43 PM
Attachments: [image002.jpg](#)
[image008.jpg](#)
[image010.jpg](#)
[image001.jpg](#)
[image003.jpg](#)
[image004.jpg](#)
[image006.jpg](#)
[image013.jpg](#)

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Donna,

Thank you for sending along the additional materials. I can confirm receipt and that we will use the updated slides at next week's meeting.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator
Town of East Gwillimbury
19000 Leslie Street, Sharon, Ontario L0G 1V0
905-478-4282 Ext. 1256 | Fax: 905-478-2808
amcneil@eastgwillimbury.ca

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Friday, November 3, 2023 12:38 PM
To: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Clerks <Clerks@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Amanda,

We've added the attached East Gwillimbury Expansion Project LTC Map to our presentation. This will only be show as a visual reference for the proposed expansion route. I've attached the map image and the updates slides with the map.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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From: McNeil, Amanda <amcneil@eastwillimbury.ca>
Sent: Friday, November 3, 2023 11:55 AM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Clerks <Clerks@eastwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Donna,

You are scheduled to present second at Tuesday's meeting, right at the beginning, so I would recommend signing on at least ten minutes before the meeting starts to get yourselves settled, at **9:50 a.m.** Someone from our team will admit you to the meeting from the virtual Teams lobby. Following your presentation, you are free to leave – no need to stick around for the full meeting unless you are interested.

Mayor Hackson will be away during your presentation and Councillor Crone will be acting as Mayor for the meeting. When beginning your presentation, please start with "Good morning, Mr. Chair and members of Council." When asked a question, please begin your response with "Through you, Mr. Chair." Alternatively, you may use "Mr. Acting Mayor."

Please find some other tips on appearing virtually before Council below:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastwillimbury.ca to advise of the change.
- Once you have joined the meeting, ensure to keep your microphone on mute until the Acting Mayor has acknowledged you.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a Council question.
- After Council has concluded deliberating/voting on your item, you can simply "leave" the

virtual meeting and/or end your call.

Since the agenda has already been published, your additional reference material will not be part of the public agenda; however please send it to me and I will distribute it to Council members ahead of next week's meeting. That way they have context should you refer to it in the presentation.

Please let me know if you have any other questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Thursday, November 2, 2023 3:33 PM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Amanda,

A few follow up questions from our team for Tuesday's meeting.

The council meeting is schedule for 3 hours, do we sign on for the full time or is there a specific time we should be joining the meeting virtually?

What is the protocol for addressing Mayor and Council? I ask as every municipality has their own formal process for Council meetings, and we'd like to ensure we follow protocol.

Also, we have an update project map to add as part of our presentation, can we submit the additional reference materials at this time? Should be include it in out presentation and note the addition to Council?

Please let me know if there are any other meeting details or procedures that we should be aware of for Tuesday.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications

donna.popovic@enbridge.com

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500 Consumers Road, Toronto, ON, M2J 1P8

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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Wednesday, November 1, 2023 8:49 AM
To: Donna Popovic <donna.popovic@enbridge.com>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Perfect, thank you!

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Tuesday, October 31, 2023 4:04 PM
To: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Brake, Kevin <kbrake@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Amanda,

Thanks very much for confirming our presentation materials have been received.

Our team will be attending the meeting virtually, including myself, Mark Dinner and Amanda Thoms.

Please let me know if you require any further information.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region

Public Affairs & Communications

donna.popovic@enbridge.com

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500 Consumers Road, Toronto, ON, M2J 1P8

enbridgegas.com

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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Tuesday, October 31, 2023 1:16 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Brake, Kevin <kbrake@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Thank you for sending along the presentation materials. I can confirm receipt.

Could you kindly confirm who from your team will be making the presentation, as well as if they are still intending to appear virtually?

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Tuesday, October 31, 2023 11:04 AM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>; McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Walkom, Andrew <AWalkom@eastgwillimbury.ca>; Clerks <Clerks@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas
Importance: High

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Kevin, et Amanda,

Please find attached the Enbridge Letter of Support and the East Gwillimbury Community Expansion Project presentation materials for Council. To the presentation, we will also have an addendum for a

LTC project map. It is not finalized yet and will need to be added to the appendix.

I have cc'd the Clerk's Office here for reference to the submission of these materials.

Please let me know if anything further is required prior to the November 7th meeting.

Thank you.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

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500 Consumers Road, Toronto, ON, M2J 1P8
enbridgegas.com
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From: Donna Popovic

Sent: Tuesday, October 31, 2023 10:28 AM

To: Brake, Kevin <kbrake@eastgwillimbury.ca>

Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Walkom, Andrew <AWalkom@eastgwillimbury.ca>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

Importance: High

Hi Kevin,

I will be sending the presentation materials to you shortly. I'm waiting on a final approval for one of the products and will have everything submitted in the next half hour.

Thanks.

Donna

From: Brake, Kevin <kbrake@eastgwillimbury.ca>

Sent: Friday, October 27, 2023 4:25 PM

To: Donna Popovic <donna.popovic@enbridge.com>

Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Walkom, Andrew <AWalkom@eastgwillimbury.ca>

Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Donna,

Our Clerks Department has advised the can provide an extension until Tuesday morning for delivery of the presentation.

Thanks,

Kevin

From: Brake, Kevin
Sent: Friday, October 27, 2023 1:11 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Donna,

This would be up to Clerks, I will follow and advise.

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Friday, October 27, 2023 11:48 AM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Kevin,

Following up the submission of materials, much of our team is away today and we need to get the final materials through review and approvals. Would it be possible to submit our materials by Tuesday morning, please?

Thanks.

Donna

From: Donna Popovic
Sent: Friday, October 27, 2023 11:15 AM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>; McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>;
Sudhakaran, Renju <RSudhakaran@eastgwillimbury.ca>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

Hi Kevin,

Thanks for the update! I will aim to have it by Monday afternoon! I'll follow up if there are any issues.

Have a great weekend.

Donna

From: Brake, Kevin <kbrake@eastgwillimbury.ca>
Sent: Friday, October 27, 2023 10:55 AM
To: Donna Popovic <donna.popovic@enbridge.com>; McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Sudhakaran, Renju <RSudhakaran@eastgwillimbury.ca>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

CAUTION! EXTERNAL SENDER

Were you expecting this email? TAKE A CLOSER LOOK. Is the sender legitimate?
DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Hi Donna,

Clerks has advised that the presentation needs to be provided by Monday October 30th to allow time for publishing of the agenda on Tuesday.

Thanks,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>
Sent: Wednesday, October 25, 2023 2:33 PM
To: Brake, Kevin <kbrake@eastgwillimbury.ca>; McNeil, Amanda <amcneil@eastgwillimbury.ca>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Thanks for the prompt response. This is a helpful explanation and provides further clarity on direction for our attendance. I'll work with our team on a short and concise presentation 3-5 minutes and supporting materials, including the draft support letter.

[@McNeil, Amanda](#) I will aim to have all the materials to you by EOD October 31st. If there are any

issues, I'll follow up to coordinate with you directly.

Thank you both kindly for accommodating our request and making this possible on such a tight timeline. It's much appreciated!

Best,

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

ENBRIDGE GAS INC.

500 Consumers Road, Toronto, ON, M2J 1P8
enbridgegas.com
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From: Brake, Kevin <kbrake@eastwillimbury.ca>
Sent: Wednesday, October 25, 2023 2:18 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: McNeil, Amanda <amcneil@eastwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>
Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Hi Donna,

Apologies for any confusion.

Yes, we were trying to defer the presentation if possible and did discuss the possibility of a written request for support with a future presentation however we felt that this may create an opportunity for support to be deferred until the presentation could be received.

As we discussed during our conversation that receiving the letter of support is somewhat time-sensitive, we decided to have you go ahead with the presentation to avoid any confusion or questions about a future presentation, hence the communication from Amanda regarding confirmation of deputation on the November 7th agenda.

I hope this clarifies things. If the presentation could be kept to 3-5 minutes it would be appreciated. If you could mention in the presentation that you have been working with town staff through the process and that we are supportive of the initiative, it would be appreciated. I'm assuming you will also note public engagement to date regarding the project?

Apologies again for any confusion.

Regards,

Kevin

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Wednesday, October 25, 2023 1:31 PM

To: Brake, Kevin <kbrake@eastgwillimbury.ca>

Cc: McNeil, Amanda <amcneil@eastgwillimbury.ca>; Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>

Subject: FW: Town of EG Deputation Request - Enbridge Gas

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Hi Kevin,

Following up on our conversation earlier this week regarding our request for a letter of support from Council for the East Gwillimbury Expansion Project. Want to clear up any confusion, we had initially requested to appear before Council to provide a project update and overview of the LTC application and request a letter of support from Council that will be submitted to the OEB as part of our LTC application. When we spoke, you indicated that due to the agenda schedule for the Council meetings we would not be able to present, but in the interest of time for the LTC submission deadline on Nov. 28th we can submit a written request and a copy of the support letter. Later looking into the new year, we could plan to appear before Council and provide a project update and the status of the LTC application. We agreed this worked for us as an efficient process to submit our request for the letter of support, and ensure Council is update appropriately by our team.

Today, my colleague Kendra received the email below from Amanda McNeil confirming we will appear virtually at the Council meeting on Nov. 7th.

To ensure we have clear direction on this, can you please clarify if we are presenting to Council or if we are submitting a written request for Council to review on Nov. 7th?

Thanks.

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

ENBRIDGE GAS INC.

500 Consumers Road, Toronto, ON, M2J 1P8

enbridgegas.com

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From: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Sent: Wednesday, October 25, 2023 11:44 AM

To: Kendra Black <Kendra.Black@enbridge.com>

Cc: Donna Popovic <donna.popovic@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>; Brake, Kevin <kbrake@eastgwillimbury.ca>

Subject: [External] RE: Town of EG Deputation Request - Enbridge Gas

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Good morning, Kendra,

You are confirmed to appear virtually before the Committee of the Whole Council meeting on **November 7, 2023, at 10:00 a.m.** The meeting will take place in our Town Council Chambers (19000 Leslie Street, Sharon, ON) and virtually via Microsoft Teams. I will send you a calendar invite with the virtual meeting details, as well as a reminder email closer to the date.

Please find below some meeting procedures when appearing virtually:

VIRTUAL MEETING PROCEDURES

- If there are changes to the individual(s) who will be attending the meeting, please contact us as soon as possible by sending an email to clerks@eastgwillimbury.ca to advise of the change.
- Once you click on the meeting invite and/or call in to the meeting, you will be placed into a lobby and staff will admit you into the meeting.
- Once you have joined the meeting, ensure to keep your microphone on mute until the Mayor has acknowledged you, and asks that you provide your comments.
- Please begin your deputation with “Good morning, Madam Mayor and members of Council.” When asked a question, please begin your response with “Through you, Madam Mayor.”
- All deputants are limited to **5 minutes** of speaking at a Council Meeting.
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply “leave” the virtual meeting and/or end your call.

You are welcome to share supplemental materials with Council during your deputation. These will be added to the public agenda. Should you have any supporting presentation materials (PowerPoint presentation, letter, etc.), kindly submit these to the Clerks department at clerks@eastgwillimbury.ca or to myself by to **October 31, 2023**.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Kendra Black <Kendra.Black@enbridge.com>

Sent: Wednesday, October 18, 2023 4:07 PM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Cc: Donna Popovic <donna.popovic@enbridge.com>

Subject: RE: Town of EG Deputation Request - Enbridge Gas

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Many thanks, Amanda.

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Sent: Wednesday, October 18, 2023 3:49 PM

To: Kendra Black <Kendra.Black@enbridge.com>

Subject: [External] Town of EG Deputation Request - Enbridge Gas

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Good afternoon, Kendra,

Thank you for your deputation request to appear before the Town of East Gwillimbury. I can confirm receipt of your request.

We will be in touch within the next week to confirm details of your appearance before Council.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastwillimbury.ca

From: [McNeil, Amanda](#)
To: [Donna Popovic](#)
Cc: [Kendra Black](#); [Mark Dinner](#); [Clerks](#)
Subject: [External] REMINDER: 10AM Nov 7, 2023 Committee of the Whole Council Meeting - Presentation
Date: Monday, November 6, 2023 11:07:07 AM
Attachments: [image001.jpg](#)
[image002.jpg](#)

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DO NOT click links or open attachments unless you are 100% sure that the email is safe.

Good morning, Donna,

A gentle reminder that you are scheduled to appear before the Town of East Gwillimbury's Committee of the Whole Council **tomorrow, November 7, 2023, at 10:00 a.m.**

You may attend the Council meeting either in person or through the virtual meeting. If you are changing how you will be attending, please advise as soon as possible by replying to clerks@eastgwillimbury.ca.

For virtual attendance, please refer to the calendar invite you received to join the meeting via Microsoft Teams.

VIRTUAL MEETING PROCEDURES

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- Please begin your deputation with "Good morning, Mr. Chair and members of Council." When asked a question, please begin your response with "Through you, Mr. Chair."
- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply "leave" the virtual meeting and/or end your call.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: [Donna Popovic](#)
To: [McNeil, Amanda](#)
Subject: RE: REMINDER: 10AM Nov 7, 2023 Committee of the Whole Council Meeting - Presentation
Date: Monday, November 6, 2023 11:18:00 AM
Attachments: [image001.jpg](#)
[image002.jpg](#)

Hi Amanda,

Thanks for your note. I have a quick question for our presentation. We were allotted 3-5 minutes on the agenda. Is that time only for our presentation with Q&A to follow afterwards or is that the full time allotted for us to present and engage with Council?

Can you share a meeting agenda?

Thanks,
Donna

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Monday, November 6, 2023 11:06 AM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>
Subject: [External] REMINDER: 10AM Nov 7, 2023 Committee of the Whole Council Meeting - Presentation

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Good morning, Donna,

A gentle reminder that you are scheduled to appear before the Town of East Gwillimbury's Committee of the Whole Council **tomorrow, November 7, 2023, at 10:00 a.m.**

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- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply “leave” the virtual meeting and/or end your call.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: [McNeil, Amanda](#)
To: [Donna Popovic](#)
Subject: [External] RE: REMINDER: 10AM Nov 7, 2023 Committee of the Whole Council Meeting - Presentation
Date: Monday, November 6, 2023 11:30:45 AM
Attachments: [image001.jpg](#)
[image002.jpg](#)
[image005.jpg](#)

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Hi Donna,

The 3-5 minutes is only for the presentation; there will be time after for a Q&A with Council members.

Please find the meeting agenda on our website here:

<https://eastwillimbury.civicweb.net/filepro/documents/50212/?preview=178400>

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastgwillimbury.ca

From: Donna Popovic <donna.popovic@enbridge.com>

Sent: Monday, November 6, 2023 11:19 AM

To: McNeil, Amanda <amcneil@eastgwillimbury.ca>

Subject: RE: REMINDER: 10AM Nov 7, 2023 Committee of the Whole Council Meeting - Presentation

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Hi Amanda,

Thanks for your note. I have a quick question for our presentation. We were allotted 3-5 minutes on the agenda. Is that time only for our presentation with Q&A to follow afterwards or is that the full time allotted for us to present and engage with Council?

Can you share a meeting agenda?

Thanks,

Donna

From: McNeil, Amanda <amcneil@eastgwillimbury.ca>
Sent: Monday, November 6, 2023 11:06 AM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Kendra Black <Kendra.Black@enbridge.com>; Mark Dinner <Mark.Dinner@enbridge.com>; Clerks <Clerks@eastgwillimbury.ca>
Subject: [External] REMINDER: 10AM Nov 7, 2023 Committee of the Whole Council Meeting - Presentation

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- Once you have completed presenting, please ensure to put your microphone back on mute, unless you are asked to respond to a council question.
- After Council has concluded deliberating/voting on an item, you can simply "leave" the virtual meeting and/or end your call.

Please let me know if you have any questions.

Kind regards,

Amanda McNeil (she/her)

Legislative Coordinator

Town of East Gwillimbury

19000 Leslie Street, Sharon, Ontario L0G 1V0

905-478-4282 Ext. 1256 | Fax: 905-478-2808

amcneil@eastwillimbury.ca

From: [Casey, Gina](#)
To: [Donna Popovic](#)
Cc: [Steve McGivery](#); [Rosemarie Humphries](#); [Clerks](#)
Subject: [External] Letter of Support - Town of East Gwillimbury
Date: Wednesday, November 15, 2023 1:16:48 PM
Attachments: [image001.png](#)
[image003.png](#)
[Enbridge_Support Letter.pdf](#)

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Good afternoon,

Please find included with this email the Town of East Gwillimbury's letter of support in relation to the natural gas expansion initiative.

Appreciate if you could acknowledge receipt.

Thank you,

Gina Casey

Executive Coordinator to Mayor & Council
Town of East Gwillimbury
19000 Leslie Street, Sharon, Ontario L0G 1V0
905-478-4283 Ext. 1276
gcasey@eastgwillimbury.ca

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November 15, 2023

Re: Expression of Support for Natural Gas Expansion to East Gwillimbury

In June of 2019 the Government of Ontario announced Phase 2 of the Natural Gas Expansion Program. Project funding was allocated to selected municipalities across Ontario to help expand access to natural gas services where it would not be economically feasible for the municipality to access the natural gas distribution system without this support. The Town of East Gwillimbury was one of the communities selected for project funding in the second phase of the Natural Gas Expansion Program.

Enbridge Gas Inc. is preparing to submit a Leave-to-Construct (LTC) application to the Ontario Energy Board (OEB) for the East Gwillimbury Community Expansion Project. This project will provide residents, businesses, and industries located within the project area with access to a safe, accessible, and reliable option for their energy needs. Through the construction of approximately 37.3km of newly proposed pipeline, this project will provide natural gas access to nearly 360 forecasted households and businesses in our community. Council is looking forward to seeing this system expansion completed and the benefits it will bring to our community.

On behalf of the Council of the Town of East Gwillimbury, I am pleased to formally support the East Gwillimbury Natural Gas Expansion Project and the Enbridge Gas submission for the LTC application to the OEB by way of this letter.

Natural gas is the most common and reliable heating fuel in Ontario. The Town of East Gwillimbury supports the Natural Gas Expansion Program efforts of Enbridge Gas Inc. and the Ministry of Energy. We look forward to working together to expand natural gas access in our community to attract new opportunities, help create jobs and enable safe, accessible, and reliable energy options for more residents and business owners in our community.

Sincerely,



Scott Crone

Acting Mayor, Town of East Gwillimbury

From: [Donna Popovic](#)
To: [Casey, Gina](#)
Cc: [Steve McGivery](#); [Rosemarie Humphries](#); [Clerks](#)
Subject: RE: Letter of Support - Town of East Gwillimbury
Date: Wednesday, November 15, 2023 2:24:00 PM
Attachments: [image001.png](#)
[image003.png](#)

Hi Gina,

Thank you to Acting Mayor Crone, Members of Council and you for expediting our request for this support letter. Very much appreciated and will serve to strengthen our LTC application for the East Gwillimbury community expansion project. I will share with our project to include with the final LTC application submission to the OEB.

Regards,

Donna Popovic

Sr Advisor, Municipal and Stakeholder Engagement, GTA East Region
Public Affairs & Communications
donna.popovic@enbridge.com

ENBRIDGE GAS INC.

500 Consumers Road, Toronto, ON, M2J 1P8
enbridgegas.com
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From: Casey, Gina <gcasey@eastgwillimbury.ca>
Sent: Wednesday, November 15, 2023 1:14 PM
To: Donna Popovic <donna.popovic@enbridge.com>
Cc: Steve McGivery <Steve.McGivery@enbridge.com>; Rosemarie Humphries <rhumphries@humphriesplanning.com>; Clerks <Clerks@eastgwillimbury.ca>
Subject: [External] Letter of Support - Town of East Gwillimbury

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Good afternoon,

Please find included with this email the Town of East Gwillimbury's letter of support in relation to the natural gas expansion initiative.

Appreciate if you could acknowledge receipt.

Thank you,

Gina Casey

Executive Coordinator to Mayor & Council
Town of East Gwillimbury
19000 Leslie Street, Sharon, Ontario L0G 1V0
905-478-4283 Ext. 1276

gcasey@eastgwillimbury.ca

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Municipal Engagement – Consultation Log

Town of East Gwillimbury					
Line Item	Date	Method	Summary of Enbridge Gas Inc. (“Enbridge Gas”) Engagement Activity	Summary of Community’s Engagement Activity	Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments
1	May 25, 2023	Email	Enbridge Gas Representative reached out to Mayor Hackson to invite an expression of interest for a proposed project in in the Town of East Gwillimbury		
1.1	May 25, 2023	Email	Enbridge Gas Representative reached out to Municipal staff to confirm changes for Enbridge Gas staff contact.		Due to transition of staff, correspondence is presented as part of an archived email chain.
1.2	May 26, 2023	Email		The Town of East Gwillimbury provided Enbridge Gas representative response with interest to schedule a meeting.	Due to transition of staff, correspondence is presented as part of an archived email chain.
1.3	May 26, 2023	Email	Enbridge Gas representative responded to confirm proposed schedule and attendance for meeting with Town of East Gwillimbury.		Due to transition of staff, correspondence is presented as part of an archived email chain.
1.4	May 29, 2023	Email		The Town of East Gwillimbury confirmed meeting notice.	Due to transition of staff, correspondence is presented as part of an archived email chain.
1.5	June 14, 2023	Meeting	Enbridge Gas Representatives met with		

			Municipal Officials to provide project briefing. Municipality request Enbridge Gas Representatives return in the Fall to present to Council and formally request support for leave to construct (LTC) application filing.		
2	October 12, 2023	Email	Enbridge Gas Representative reached out to Town of East Gwillimbury to follow up regarding the Town's proposal for Enbridge to provide a project presentation to Council. Enbridge Gas representative also introduced the new Enbridge Gas contact.		Due to transition of staff, correspondence is presented as part of an archived email chain.
2.1	October 13, 2023	Email		Town of East Gwillimbury invited Enbridge Gas to present to Council and directed Enbridge Gas to complete the required Deputation Form.	Due to transition of staff, correspondence is presented as part of an archived email chain.
2.2	October 18, 2023	Email	Enbridge Gas Representative responded in acknowledgement of the receipt.	Town of East Gwillimbury confirmed deputation request submitted by Enbridge Gas.	Due to transition of staff, correspondence is presented as part of an archived email chain.
3	October 18, 2023	Meeting	Enbridge Gas Representatives met with the Town of East Gwillimbury to compare Holland Landing proposals.	Continue to share plans and coordinate with our project, provide feedback.	Enbridge Gas to share schedule updates as required.
4	October 23, 2023	Phone call	East Gwillimbury Municipal Official and Enbridge Gas Representative conducted a phone call discuss proposed deputation schedule for Enbridge Gas Deputation and requirements, including a		

			request for a letter of support.		
5.	October 23, 2023	Email	Enbridge Gas representative provided follow up email to preceding phone call with Town to East Gwillimbury Official. Correspondence reinforced the option of providing written request to council, should timing for a Council presentation not be available.		
6.	October 24, 2023	Email		Town of East Gwillimbury official provided response and requested Enbridge Gas submit written request materials for Council's consideration ASAP to the Clerk's Department.	
7.	October 25, 2023	Email	Enbridge Gas Representative responded to Town of East Gwillimbury official to confirm November 7, 2023 deputation date. Confirmed to have materials submitted ASAP to the Clerks Department.		
8.	October 25, 2023	Email		Town of East Gwillimbury official responded to Enbridge Gas Representative to confirm materials request. Deputy Clerk was added to correspondence to advise on requirements and timeline for receipt of information for the deputation.	
9	October 25, 2023			Town of East Gwillimbury provided confirmation for Enbridge Gas Representatives to appear virtually before the Committee of the Whole Council meeting on November 7, 2023, at 10:00 a.m.	Due to email archives policy, this email is presented as part of an internal chain.

10.	October 25, 2023	Email	Enbridge Gas representative reached out to Town of East Gwillimbury Officials to clarify whether Enbridge Gas will be presenting in person to Council or submitted a written request.		
11.	October 25, 2023	Email		Town of East Gwillimbury Official responded to clarify and confirm Enbridge Gas is scheduled to provide a deputation on November 7, 2023.	
12.	October 25, 2023	Email	Enbridge Gas Representative responded to confirm Enbridge will provide a concise presentation as well as supporting materials for Council's reference. Confirmed material submission to Clerks Department by October 31, 2023.		
13.	October 27, 2023	Email		Town of East Gwillimbury Official followed up to advise Enbridge Gas Representative all materials are required to be submitted to the Clerks Department by October 30, 2023.	
14.	October 27, 2023	Email	Enbridge Gas Representative responded to acknowledge the submission date.		
15.	October 27, 2023	Email	Enbridge Gas Representative followed up with East Gwillimbury Officials to request submission of materials be made by morning of October 31, 2023		
16.	October 27, 2023	Email		Town of East Gwillimbury Official the request will be for the Clerks Department to advise.	

17.	October 27, 2023	Email		Town of East Gwillimbury Official responded to advice the Clerks Department will accept Enbridge Gas materials the morning of Tuesday, October 31, 2023.	
18	October 27, 2023	Email	Enbridge Gas Representative responded with appreciation for the deadline consideration from the Clerks Department.		
19.	October 31, 2023	Email	Enbridge Gas Representative followed up with East Gwillimbury Officials to provide a status update on the forthcoming submission of presentation materials.		
20.	October 31, 2023	Email	Enbridge Gas Representative submitted required materials for Enbridge Gas deputation on November 7, 2023, including a PPT slide presentation and an example letter of support.		Materials attached to email.
21.	October 31, 2023	Email		Town of East Gwillimbury Officials responded to confirm Enbridge Gas submission and receipt of materials. Inquired if Enbridge Gas will appear virtually.	
22.	October 31, 2023	Email	Enbridge Gas Representative responded to confirm receipt of East Gwillimbury Official's correspondence and receipt of materials. Enbridge Gas Representative also confirmed they will attend the meeting virtually.		
23.	November 1, 2023	Email		Town of East Gwillimbury Officials responded to confirm receipt of Enbridge Gas	

				correspondence to appear virtually.	
24.	November 2, 2023	Email	Enbridge Gas Representative followed up to clarify timing and municipal procedures and protocols for appearing before East Gwillimbury Council. Enbridge Gas Representative requested for an addendum to be added to the presentation materials.		
25.	November 3, 2023	Email		Town of East Gwillimbury Officials responded to advise on protocols for virtual appearance before East Gwillimbury Council, and confirmed additional reference materials may be distributed to Council members in advance of the meeting.	
26.	November 3, 2023	Email	Enbridge Gas Representative followed up to provide additional reference materials, noting it was solely to be shown as a visual reference.		
27.	November 3, 2023	Email		Town of East Gwillimbury Officials responded to confirm receipt of additional reference materials.	
28.	November 6, 2023	Email		Town of East Gwillimbury Officials provided Enbridge Gas with reminder correspondence regarding the appearance before the Town of East Gwillimbury's Committee of the Whole Council on November 7, 2023.	
29.	November 6, 2023	Email	Enbridge Gas Representative responded to confirm the scheduled appearance time and date. Enbridge Gas Representative inquired about the duration of time		

			allotted for the presentation and subsequent questions from Council Members; also requested a copy of the meeting agenda.		
30.	November 6, 2023	Email		Town of East Gwillimbury Officials responded to confirm Enbridge Gas is allotted 3-5 minutes for their presentation, with time allotted for questions afterwards. They also provided a link to the meeting agenda.	
31.	November 7, 2023	Meeting	Enbridge Gas Representatives appeared before the Town of East Gwillimbury Council to provide an overview of the East Gwillimbury Natural Gas Expansion Project and formally request a letter of support for LTC application filing.		
32.	November 15, 2023	Email		Town of East Gwillimbury Officials provided of the Town of East Gwillimbury's letter of support to Enbridge Gas.	
33.	November 15, 2023	Email	Enbridge Gas Representative responded to convey gratitude to Municipal Officials and Council Members for the expressed support.		
34.	February 1, 2024	Meeting	Enbridge Gas Representatives met with Town of East Gwillimbury staff to discuss permitting.	No concerns	

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1

Question(s):

- a) Please complete the complete the table below to confirm which of the following facts were communicated to the Town of East Gwillimbury (and for any that were communicated, please provide the communication including a pinpoint reference to where that fact is contained).
- b) Please replicate and complete the same table for each of the Township of King, Town of Georgina, and Town of Whitchurch-Stouffville. Please also provide the communication, including a pinpoint reference to where that fact is contained, for any of the facts that were communicated.

Information Communicated to East Gwillimbury		
Information	Whether communicated to the Municipality (Y/N)	If no, why not; if yes, where & when
(i) That the federal government is offering rebates for customers to switch from oil to high-efficiency electric heat pumps if they earn a median income or lower (e.g., \$122,000 after-tax income for a family of 4 in Ontario) through the Oil to Heat Pump Affordability Program. ¹		
(ii) That the federal government is now providing up to \$40,000 in interest free loans, which can be put towards conversions to electric heat pumps, and not gas equipment, through the Greener Homes Loan. ²		

¹ EB-2022-0249, Exhibit I.ED.20 & Exhibit I.ED.5.

² EB-2022-0249, Exhibit I.ED.20 & Exhibit I.ED.5.

(iii)	That heat pumps could save a customer approximately \$1,200 in annual heating costs versus a gas furnace for a house with a moderate heat load (or whatever Enbridge's estimated savings are). ³		
(iv)	That Enbridge may charge customers for a connection depending on the distance of the building from the road.		
(v)	That heat pumps result in lower annual energy costs compared to traditional gas equipment for home heating		
(vi)	That heat pumps significantly reduce summer cooling costs.		
(vii)	That natural gas is a potent greenhouse gas, and its combustion generates approximately 1/3 rd of Ontario's greenhouse gas emissions. ⁴		
(viii)	That heat pumps result in far less greenhouse gas emissions than gas furnaces. ⁵		

Response:

a) – b)

The “facts/statements” provided by ED within the interrogatory are oversimplifications, inaccurate, and/or omit other important considerations and therefore could be misleading. For example, ED identifies annual operating costs of electric heat pumps and the rebates available to offset upfront capital costs of electric heat pumps but ignores information regarding upfront capital costs of electric heat pumps. As with any capital investment, upfront capital costs are an important consideration, not just annual operating costs. Enbridge Gas does not necessarily accept the statements made by ED as complete/accurate representations of the information. Enbridge Gas is not responding to the validity or accuracy of ED's statements and is rather providing responses to the direct questions posed by ED.

³ EB-2022-0249, Exhibit I.ED.16, Attachment 7, Ottawa, 4 Ton Heating Load, “Cost savings” row, averaged; EB-2022-0249, Exhibit I.ED.5.

⁴ EB-2022-0249, Exhibit I.ED.5.

⁵ *Ibid.*

Information Communicated to the Town of East Gwillimbury, Township of King, Town of Georgina, and Town of Whitchurch-Stouffville.		
Information	Whether communicated to the Municipality (Y/N)	If no, why not; if yes, where & when
(i) That the federal government is offering rebates for customers to switch from oil to high-efficiency electric heat pumps if they earn a median income or lower (e.g., \$122,000 after-tax income for a family of 4 in Ontario) through the Oil to Heat Pump Affordability Program. ⁶	No	The Town of East Gwillimbury, Township of King, Town of Georgina and Town of Whitchurch-Stouffville did not request information from Enbridge Gas regarding non-natural gas solutions which the Company cannot provide via the Project.
(ii) That the federal government is now providing up to \$40,000 in interest free loans, which can be put towards conversions to electric heat pumps, and not gas equipment, through the Greener Homes Loan. ⁷	No	The Town of East Gwillimbury, Township of King, Town of Georgina and Town of Whitchurch-Stouffville did not request information from Enbridge Gas regarding non-natural gas solutions which the Company cannot provide via the Project.
(iii) That heat pumps could save a customer approximately \$1,200 in annual heating costs versus a gas furnace for a house with a moderate heat load (or whatever Enbridge's estimated savings are). ⁸	No	The Town of East Gwillimbury, Township of King, Town of Georgina and Town of Whitchurch-Stouffville did not request information from Enbridge Gas regarding non-natural gas solutions which the Company cannot provide via the Project.
(iv) That Enbridge may charge customers for a connection depending on the distance of the building from the road.	No	The Town of East Gwillimbury, Township of King, Town of Georgina and Town of Whitchurch-Stouffville did not request information from Enbridge Gas regarding charges for customers to connect.

⁶ EB-2022-0249, Exhibit I.ED.20 & Exhibit I.ED.5.

⁷ EB-2022-0249, Exhibit I.ED.20 & Exhibit I.ED.5.

⁸ EB-2022-0249, Exhibit I.ED.16, Attachment 7, Ottawa, 4 Ton Heating Load, "Cost savings" row, averaged; EB-2022-0249, Exhibit I.ED.5.

<p>(v) That heat pumps result in lower annual energy costs compared to traditional gas equipment for home heating</p>	<p>No</p>	<p>The Town of East Gwillimbury, Township of King, Town of Georgina and Town of Whitchurch-Stouffville did not request information from Enbridge Gas regarding non-natural gas solutions which the Company cannot provide via the Project.</p>
<p>(vi) That heat pumps significantly reduce summer cooling costs.</p>	<p>No</p>	<p>The Town of East Gwillimbury, Township of King, Town of Georgina and Town of Whitchurch-Stouffville did not request information from Enbridge Gas regarding non-natural gas solutions which the Company cannot provide via the Project.</p>
<p>(vii) That natural gas is a potent greenhouse gas, and its combustion generates approximately 1/3rd of Ontario's greenhouse gas emissions.⁹</p>	<p>No</p>	<p>The Town of East Gwillimbury, Township of King, Town of Georgina and Town of Whitchurch-Stouffville did not request information from Enbridge Gas regarding Ontario's greenhouse gas emissions.</p>
<p>(viii) That heat pumps result in far less greenhouse gas emissions than gas furnaces.¹⁰</p>	<p>No</p>	<p>The Town of East Gwillimbury, Township of King, Town of Georgina and Town of Whitchurch-Stouffville did not request information from Enbridge Gas regarding non-natural gas solutions which the Company cannot provide via the Project.</p>

⁹ EB-2022-0249, Exhibit I.ED.5.

¹⁰ *Ibid.*

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1

Question(s):

- a) Please provide all communications to and from the Regional Municipality regarding the project, including all communications to the Regional Municipality describing the benefits (e.g., letters, presentations, etc.).
- b) Please provide a list of all meetings with staff and elected officials from the Regional Municipality and the meeting notes and materials for each.
- c) Please provide a copy of the “Final Guidelines for Potential Projects to Expand Access to Natural Gas Distribution” and the related section 35 letter from the Minister.
- d) The OEB Guidelines referred to above state that applicants must: “Provide letter(s) from the Band Council(s) and/or local government, as applicable, stating support for the project, including details of any commitment to financial support.” Was a support letter requested from the Regional Municipality?
- e) If a support letter was not sought from the Regional Municipality, please explain why, including with reference to any documentary support for Enbridge’s contention that the Regional Municipality does not count as a “local government” within the meaning of the Guidelines
- f) Please answer (d) and (e) with respect to the Township of King, Town of Georgina, and Town of Whitchurch-Stouffville.

Response:

a) York Region was provided a Notice of Study Commencement and Virtual Open House on June 19, 2023 and a copy of the draft Environmental Report (ER) on September 11, 2023. York Region was also provided a Notice of Project Change on May 23, 2024, and a copy of the draft ER Amendment on June 25, 2024. Please refer to Appendix F3 of the ER¹ for a copy of the Notice of Study Commencement and Virtual Open House and Appendix A of the ER Amendment² for a copy of the Notice of Project Change. Please also refer to Appendix G-1, section 1.4 of the ER and section 1.4 of Appendix C of the ER Amendment for complete summaries of correspondence with York Region.

York Region did not provide any comments on the ER or ER Amendment.

- b) Please refer to Attachment 1 for a list of engagements between Enbridge Gas and York Region regarding the Project.
- c) The “Final Guidelines for Potential Projects to Expand Access to Natural Gas Distribution”³ report prepared by the OEB can be found at Attachment 2 to this response. The related Section 35 letter from the Minister⁴ is included at Attachment 3 to this response.
- d) The OEB Guidelines stated that support letters would be considered by the OEB when reviewing projects. A support letter was not requested from the Regional Municipality when preparing the Natural Gas Expansion Program submission for the East Gwillimbury Project.
- e) Please see the response to part d). Enbridge Gas’s focus was on receiving a letter of support from the lower-tier municipality and did not request a support letter from the Regional Municipality when preparing the Natural Gas Expansion Program submission for the East Gwillimbury Project. Enbridge Gas has been working with the Regional Municipality’s Planning Teams to discuss the proposed project’s design plans, installation requirements and municipal consent.

¹ Exhibit F, Tab 1, Schedule 1, Attachment 1.

² Ibid, Attachment 3.

³ <https://www.oeb.ca/sites/default/files/ltr-final-guidelines-gas-expansion-20200305.pdf>

⁴ <https://www.oeb.ca/sites/default/files/Letter-to-OEB-natural-gas-expansion-20191212.pdf>

Please see Attachment 2 and Attachment 3 to Exhibit B, Tab 1, Schedule 1 for the letters of support received from the Township of East Gwillimbury.

- f) The Township of King, Town of Georgina, and Town of Whitchurch-Stouffville are not included in the Project scope and therefore letters of support were not requested.

Municipal Engagement – Planning Consultation Log

York Region					
Line Item	Date	Method	Summary of Enbridge Gas Inc. (“Enbridge Gas”) Engagement Activity	Summary of Community’s Engagement Activity	Issues or Concerns raised and how addressed by Enbridge Gas including any substantive Attachments
1	January 18, 2024	Meeting	Enbridge Gas hosted first formal monthly meeting with York Region staff.	York Region described expectations regarding permitting of the proposed running line.	Concerns with proposed running line actively being addressed.
2	February 2, 2024	Meeting	Enbridge Gas Project Lead met York Region planning staff to review proposed running line drawing(s).	York Region submitted its comments on the proposed running line drawing(s).	Comments actively being addressed.
3	February 22, 2024	Meeting	Monthly meeting with York Region.	Addressed outstanding concerns regarding the proposed running line.	Enbridge Gas to adjust plans and confirm acceptance with York Region.
4	March 7, 2024	Meeting	Monthly meeting with York Region	Continued discussion regarding specific running line.	
5	April 4, 2024	Meeting	Monthly meeting with York Region	Continued discussion regarding running line.	
6	May 2, 2024	Meeting	Monthly meeting with York Region	Continued discussion regarding running lines.	
7	June 6, 2024	Meeting	Monthly meeting with York Region	Continued discussion regarding running lines.	
8	July 4, 2024	Meeting	Monthly meeting with York Region	Continued discussion regarding running lines.	
9	September 19, 2024	Meeting	Monthly meeting with York Region	Addressed outstanding concerns regarding specific running line and permit progress.	Enbridge Gas to adjust plans and confirm acceptance with York Region.
10	October 1, 2024	Meeting	Monthly meeting with York Region	Discussion on running lines and adjustments required.	Enbridge Gas to adjust plans and confirm acceptance with York Region.

BY E-MAIL AND WEB POSTING

March 5, 2020

**TO: All Participants in the Consultation on the Draft Guidelines for Potential Projects to Expand Access to Natural Gas
All Other Interested Parties**

**RE: Potential Projects to Expand Access to Natural Gas Distribution
Ontario Energy Board File No. EB-2019-0255**

The Ontario Energy Board (OEB) has today issued its Final Guidelines for Potential Projects to Expand Access to Natural Gas Distribution (Final Guidelines), which are attached as Appendix A to this letter. The Final Guidelines have been informed by and benefitted from stakeholder comments on the Draft Guidelines for Potential Projects to Expand Access to Natural Gas Distribution (Draft Guidelines) that were issued for comment on December 19, 2019.

Interested project proponents that wish to file project information for inclusion in the OEB's report to the Ministry of Energy, Northern Development and Mines (Ministry) must do so by June 3, 2020 in accordance with the Final Guidelines.

On December 12, 2019, the OEB received a [letter](#) (Section 35 Letter) from the Minister of Energy, Northern Development and Mines and the Associate Minister of Energy under section 35 of the *Ontario Energy Board Act, 1998* (OEB Act) asking the OEB to collect and analyze information about possible natural gas expansion projects with a focus on assessing whether the projects can be implemented substantially as proposed. The OEB is expected to report back to the Ministry by August 31, 2020 (Report), and this Report will serve as an input to assist the government in making a determination on future expansion projects.

The Section 35 Letter also expresses the government's intention to further increase access to natural gas by making additional new projects eligible for ratepayer funded financial support totaling approximately \$130 million, using the mechanism set out in Ontario Regulation 24/19, Expansion of Natural Gas Distribution Systems made under section 36.2 of the OEB Act. Changes to that Regulation will be required to enable the provision of ratepayer-funded financial support for any such projects.

The Section 35 Letter identifies the following as matters to be considered by the OEB in undertaking this initiative:

- The number of customers (in terms of customer count, volume of gas to be distributed and customer type) that would be connected by each proposed project.
- The total cost of each proposed project, as well as the dollar amount of support needed for each proposed project to meet the OEB's profitability threshold.
- The proposed construction start date and construction period for each proposed project, as the provincial government's focus is on projects that can reasonably be expected to start construction by 2023, allowance being made for the timelines typically applicable to the process of obtaining regulatory approvals.
- The project proponent's demonstrated experience, technical expertise and financial ability to build and operate a natural gas distribution system.
- Support for the proposed project from Band Council(s) and/or local government, as applicable, demonstrated through a written expression of support and/or a commitment to financial support.
- If a proposed project is in an area where a Certificate of Public Convenience and Necessity (Certificate) exists, the proponent must be the Certificate holder unless the Certificate holder does not propose a project for the area.
- The extent to which the project proponent expects that the proposed project would reduce the household energy cost burden in the project area.

As set out in the Section 35 Letter, the OEB is expected to apply its expertise in undertaking this initiative. Given the focus on assessing whether potential projects can be implemented substantially as proposed, the following are the key additional considerations that are included in the Final Guidelines, some of which have been revised relative to the Draft Guidelines in response to stakeholder comments:

- A ten-year rate stability period for each proposed project in order to demonstrate, as required by the Section 35 Letter, a commitment to be held to the project costs and volume forecast set out in the project information provided to the OEB.
- A schedule for applying for any OEB approvals and identification of the date by which each is required in order to meet the proposed in-service date.
- The estimated annual distribution charges that are expected to be borne by residential customers to be connected by each proposed project.
- The estimated revenue requirement over the ten-year rate stability period and the capital costs and rate base at the end of the rate stability period.

OEB Consideration of Stakeholder Comments

Twenty-one stakeholders submitted comments in response to the OEB's December 19, 2019 letter, including natural gas distributors, compressed natural gas (CNG) and liquefied natural gas (LNG) service providers, ratepayer groups, industry associations, environmental groups and groups representing Indigenous peoples. Most stakeholders submitted comments on the Draft Guidelines, with relatively few comments submitted on the three additional issues on which the OEB also invited comment in that letter:

- The sufficiency of the 90-day window to submit project information.
- Confidentiality of information that may be contained in project information filed by interested project proponents based on the Draft Guidelines.
- Two alternative options for addressing the requirement in the Section 35 Letter that a proponent must be the holder of the Certificate unless the Certificate holder does not propose a project for the area.

Below is an overview of the many issues raised in the stakeholder comments, and the OEB's consideration of them. In considering stakeholder comments, the OEB has been mindful that the intention underlying the Section 35 Letter is to facilitate access to natural gas distribution systems for communities that are not currently connected to such a system. The OEB has also been mindful that its Report is expected to be provided to the Ministry by August 31, 2020, and that minimizing regulatory burden for stakeholders is a focus of the Government.

Comments on the Draft Guidelines

General Comments

A number of stakeholders provided comments on the general approach to be taken by the OEB in response to the Section 35 Letter.

One stakeholder stated that, in addition to giving consideration to the benefits of converting from existing heating and hot water systems to natural gas, potential harm should be considered as well (including, for example, potential harm to alternative energy suppliers). The stakeholder suggested that the OEB's process should include a period for the solicitation of written comments from those who would be adversely affected by the proposed projects. The stakeholder further suggested that the OEB could then include these impacts in the Report. Along similar lines, three stakeholders proposed that the OEB require project proponents to compare savings associated with switching to natural gas against savings associated with other energy alternatives available or potentially available to customers (e.g., heat pumps, etc.). The OEB does not consider that an assessment of potential harm to alternative energy suppliers or the savings associated with other energy alternatives is in keeping with the intention underlying the Section 35 Letter.

The focus of comments received from two stakeholders was on encouraging projects that would serve Indigenous communities. Their other comments related to historic infrastructure gaps, energy poverty, and the potential impact on the electricity system resulting from reduced demand. Although it is not within the ambit of the OEB's mandate under the Section 35 Letter to direct proponents with regard to the communities that they may wish to serve, the OEB anticipates that some projects may propose to serve First Nations reserve lands or off-reserve Indigenous consumers. The OEB has added a new requirement in section 3.1 of the Final Guidelines requiring proponents to indicate whether their proposed project would serve any First Nations reserves, which may be useful information for the Ministry when considering proposed projects. The matter of off-reserve Indigenous consumers is discussed in the section on "Comments related to Part III" below. Issues relating to matters such as historic infrastructure gaps and potential impacts on the electricity system, while important, go beyond the scope of the matters that the OEB was asked to report to the Minister, and in the OEB's view cannot be meaningfully reviewed within the timelines set out in the Section 35 Letter.

One stakeholder suggested that the Report should refrain from ranking or rating proposed projects. The OEB wishes to clarify that the Section 35 Letter did not ask for a ranking of proposed projects, and the OEB does not intend to provide a ranking.

One stakeholder commented on the thresholds for leave to construct applications, including the prescribed amount of \$2 million and nominal pipe size of 12 inches. The stakeholder suggested that, in order to reduce the number of regulatory applications to the OEB and to reduce regulatory burden and costs, the prescribed amount should be increased to \$10 million and the nominal pipe size augmented to 16 inches. The stakeholder recommended that the OEB address the leave to construct thresholds as part of the Report. The OEB notes that changing those thresholds would require legislative change. While the OEB agrees that there is merit in a review of the thresholds given the length of time that they have been in place, this is outside the scope of what the OEB has been asked to do under the Section 35 Letter.

Several stakeholders proposed that the OEB require proponents to include information on their plans to provide Demand Side Management (DSM) programs for customers (from the time of conversion to natural gas and on an ongoing basis). One stakeholder suggested that the costs of offering DSM should also form part of the costs of the proposed projects. The OEB notes that there is not currently a common approach with respect to DSM across existing rate-regulated natural gas distributors. The OEB may also receive information on proposed projects from new entrants, who may not have DSM proposals developed at this time. The OEB will therefore not include specific requirements with respect to DSM in the Final Guidelines. However, the OEB takes this opportunity to note that it expects existing rate-regulated natural gas distributors with DSM programs to offer access to DSM programs to any new natural gas customers in accordance with policies and orders of the OEB prevailing at the relevant time. Other natural gas distributors whose rates become regulated by the OEB may also have the opportunity to make proposals to provide DSM programs as part of any new DSM framework going forward.

Comments related to Part II – Description of Proponent’s Technical Expertise and Financial Capability

One stakeholder suggested that the information required in Part II of the Draft Guidelines should not be required for any proponent who is a natural gas distributor currently operating in Ontario. The OEB agrees and has clarified that natural gas distributors that are currently rate-regulated by the OEB will not be required to provide the information set out in Part II of the Final Guidelines.

One stakeholder suggested that information related to a project proponent's financial capability should only need to be submitted once for each proponent, regardless of how many community expansion proposals are presented by that proponent. The Final Guidelines clarify that if a proponent who is not an existing OEB rate-regulated natural gas distributor intends to file information on multiple proposed projects, that proponent will only be required to file the information requested in Part II of the Final Guidelines once, unless the proponent has different organizational or financing structures for its proposed projects, in which case the Part II information must be filed for each different organizational or financing structure.

In regards to section 2.2 of the Draft Guidelines, one stakeholder suggested that municipally-owned greenfield utilities may not be able to provide information related to credit history or credit rating, and that the inability to provide this information should not impair the funding eligibility of greenfield utilities, particularly utilities located in northern Ontario. The stakeholder also asked for clarity with respect to the type of evidence that would satisfy the requirements regarding access to debt and equity markets (for example, confirmation that a comfort letter from a financial institution or the particulars of a negotiated credit arrangement should in their view suffice). The OEB has clarified in the Final Guidelines that new entrants that cannot provide the information identified in section 2.2 should explain why that is the case and file the best financial information that they have available.

Comments related to Part III – Description of and Support for Project

3.1 – General Overview of Project

One stakeholder suggested modified language that specifies the inclusion of Indigenous communities, and Indigenous community members both on- and off-reserve, as an explicit subset of communities to be connected. As noted above, the OEB has modified the language in section 3.1 to require that any on-reserve communities that would be served by a proposed project be identified. The OEB will not require that proponents identify off-reserve Indigenous consumers, as it may be difficult for proponents to obtain sufficiently accurate information in time to include it in their project information given the timelines established by the Section 35 Letter.

Other stakeholders suggested that a description be provided as to how a proposed project aligns with any local energy plans, including a Municipal Energy Plan, Indigenous Community Energy Plan, and with regional planning processes, and how the proposed project would comply with policy statements made in the provincial

government's Growth Plan for Northern Ontario. The OEB will not require proponents to address the alignment of a proposed project with any applicable energy plans, as the incremental benefit may not outweigh the incremental burden required to explain relevant linkages.

One stakeholder suggested that proponents should be required to explain their gas supply plans, including sources of the commodity, upstream transportation, and any other gas supply considerations that may be unique to their proposed project. The OEB believes that for new entrants, a high-level description of their sources of the commodity, upstream transportation, and any other relevant gas supply considerations could be useful for context. The OEB already has this information in the gas supply plans filed by the rate-regulated natural gas distributors. In addition, all proponents proposing projects using CNG and/or LNG will be required to provide a high-level description of the approach to procuring supply, including the infrastructure that will be required. The OEB has added these requirements to section 3.1 of the Final Guidelines.

3.2 to 3.4 – Customer Attachment and Volume Forecasts and Estimated Conversion Costs

Many stakeholders suggested that proponents should include supporting documentation to substantiate their forecasts and cost estimates. Stakeholders also suggested that proponents be required to conduct and provide sensitivity analyses for volume forecasts and conversion cost estimates. As indicated in the Section 35 Letter, the OEB is to analyze proposed projects with a focus on assessing whether they can be implemented substantially as proposed, in support of which the OEB is to call for a demonstrated commitment by the proponent that it would be willing to be held to the project costs, timelines and volume forecast set out in the project information provided to the OEB.

To give effect to this requirement, the Final Guidelines require a ten-year rate stability period for each proposed project, including in respect of attachment forecasts. Proponents should expect to bear the risk for the ten-year period if the customers they forecast do not attach to the system and/or actual project costs (capital and OM&A) are higher than expected. This is consistent with the OEB's South Bruce decision¹, where the OEB approved a ten-year rate stability period, which will hold the proponent to its forecast costs and not allow it to recover any over-spending from ratepayers during that period.

¹ EB-2016-0137, EB-2016-0138, EB-2016-0139

Proponents are responsible for accurately forecasting attachment rates, volumes and costs. To the extent they do not do so, they should not expect that they would be able to recover any additional costs from ratepayers for at least the ten-year rate stability period. As a result, the OEB is of the view that it is not necessary for the proponent to file supporting documentation or sensitivity analyses in relation to their customer attachment forecast and cost estimates.

Several stakeholders suggested that estimates of greenhouse gas emissions and emissions reductions associated with converting a community to natural gas should be provided as part of the project information. The OEB agrees that this information could be a useful input to the Ministry's consideration of proposed projects. Section 3.4 of the Final Guidelines makes provision for greenhouse gas emission estimates related to converting existing heating and water heating systems to natural gas to be included in the proponent's assessment of household energy impacts.

One stakeholder suggested that the OEB develop standardized household energy cost comparison models that include various energy alternatives in a potential gas expansion scenario, and which would include, for example, uniform assumptions related to carbon costs and landed costs of natural gas, propane, electricity, or other fuels. While the OEB sees merit in standardizing the assumptions to facilitate the OEB's review of costs and savings as between projects, the timelines indicated in the Section 35 Letter are not compatible with the OEB undertaking that kind of work in a responsible way. For clarity, however, the calculation of household energy costs for natural gas should include conversion costs, commodity costs, associated upstream transportation costs to Ontario, incremental CNG and LNG costs (where applicable), costs under the federal *Greenhouse Gas Pollution Pricing Act*, and distribution costs. The major assumptions (e.g. conversion factors) used in the calculations must also be provided. The OEB has added this clarification in section 3.4 of the Final Guidelines.

In regards to section 3.3, two stakeholders suggested that the annual average consumption level of 2,200 m³ in the Draft Guidelines should be allowed to vary if better information is available to estimate the annual consumption for a typical residential customer in a given community. The Final Guidelines clarify that the 2,200 m³ value is a default value. If a proponent has more accurate information regarding the annual consumption for residential customers in a given community, the proponent should use that value and explain how it has determined that it is more accurate than the default value.

3.5 – Proposed Construction Schedule

One stakeholder stated that it does not believe that information other than the date of construction being initiated and the estimated date of providing service is necessary. The OEB is of the view that the construction start date, the projected in-service date, and all major milestones are important information in considering whether a project can be implemented substantially as proposed. The OEB has therefore retained these requirements in the Final Guidelines.

3.7 – Certificate of Public Convenience and Necessity

One stakeholder suggested that when a proponent includes a copy of any Certificate, the proponent should specify whether the boundaries of the existing Certificate encompass the entire area which would be supplied with natural gas. The OEB agrees that proponents should specify the boundaries of the existing Certificate and indicate whether the boundaries encompass the entire area which would be supplied with natural gas.

Comments related to Part IV – Cost of Project

4.1 – Rate Stability Period

One stakeholder suggested that the requirement to commit to a period of rate stability should be decided on a case-by-case basis and not be imposed as a generic requirement. Another stakeholder proposed that a uniform ten-year rate stability period should apply for all proposed projects, as opposed to a minimum ten-year rate stability period. The OEB is of the view that a rate stability period should be reflected in the Final Guidelines as it is consistent with recent OEB decisions and gives effect to the requirement in the Section 35 Letter that the OEB analyze proposed projects with a focus on assessing whether they can be implemented substantially as proposed, including a demonstrated commitment by the proponent that it would be willing to be held to the project costs, timelines and volume forecast set out in their proposal. The OEB agrees that a standardized ten-year rate stability period should be used for all projects, as it is unlikely in any event that proponents would propose a longer rate stability period. Section 4.1 of the Final Guidelines reflects that change.

4.2 to 4.4 – Project Cost Forecasts

In regards to section 4.2, one stakeholder stated that because the Minister is looking for proponents to demonstrate a commitment to total project costs, details of project capital costs over the rate stability period should not be required by the OEB at this stage. Rather, the stakeholder stated that the net present value of the total net revenue of the project over the 40-year feasibility test period should be sufficient to evaluate proposed projects. Another stakeholder agreed with the requirement to include annual and total forecast costs during the rate stability period and that the proponent should take the risk that actual costs may differ from forecast (either higher or lower). One stakeholder suggested that costs related to upstream reinforcement should be considered a common assumption for all proposed projects to serve the same area. In other cases, the incumbent utility should be required to provide costing over a reasonable timeframe.

The OEB has determined that the total forecast capital costs of projects will only be required at the end of the rate stability period (i.e. year ten). This will ensure that sufficient information exists to determine the total capital costs that a proponent has committed to over the rate stability period. Accordingly, the OEB has removed the need for annual forecast capital costs during the rate stability period.

Proponents are required to include any upstream reinforcement costs, and the OEB expects that the incumbent utility will provide an estimate of those costs to any proponent requesting one and will do so in a timely manner, whether or not it is providing information to the OEB for a proposed project to serve the same area. The OEB may be notified should any issues arise in that respect. The OEB expects that upstream reinforcement costs for all proposed projects to serve the same area should be the same. To the extent that the reinforcement costs for an incumbent utility's proposed project are materially different from the reinforcement costs that the utility has estimated for another proponent's project in the same area, the incumbent utility must identify in its filing that two separate estimates exist and explain the reasons for the differences. Section 4.2 of the Final Guidelines reflects these changes.

With respect to section 4.3, one stakeholder commented that, given that the Minister is looking for project proponents to demonstrate a commitment to be held to total project costs, the details of OM&A costs over the rate stability period are not needed by the OEB at this stage. In their view, the net present value of the total net revenue of the project over the feasibility test period should be sufficient. The stakeholder further commented that the OM&A costs should be the same as those included in the economic assessment of each project (i.e. only incremental OM&A costs should be included). Another stakeholder also suggested that project costs should include

incremental OM&A costs in order to avoid an over-recovery of costs. Another stakeholder supported the use of fully allocated forecast OM&A costs on the grounds that this ensures that there is no cross-subsidization of OM&A expenses between existing customers and customers of community expansions.

In order to streamline the project information submission process, the OEB has removed section 4.3, which appeared in the Draft Guidelines, as it is subsumed in the section of the Final Guidelines (now section 4.3) that deals with the revenue requirement. The OEB is, however, of the view that fully allocated costs should be used by proponents for the purposes of facilitating the OEB's review of costs between projects. This would allow for a more level playing field as between incumbent distributors and potential new entrants. However, for economic feasibility, incremental costs should be used in keeping with [E.B.O. 188](#).

In regards to section 4.4 of the Draft Guidelines (now section 4.3 of the Final Guidelines), one stakeholder commented that the total annual revenue requirement of the project over the rate stability period is not relevant to the assessment of the viability of an expansion project and that this information is implicit in the profitability index (PI) calculation. Another stakeholder agreed with the requirement to provide the total annual revenue requirement (as well as with the breakdown included in the Draft Guidelines) as proponents should bear the risk of the proposed revenue requirement over the rate stability period. This stakeholder also suggested that the OEB establish common assumptions (such as depreciation rates, capital structure, etc.). The OEB is of the view that the annual and total revenue requirement over the rate stability period is needed to demonstrate that a proponent can be held to its forecast total project costs. However, the OEB has streamlined the information to be provided by limiting it to total annual and cumulative revenue requirement over the rate stability period (i.e. with no breakdown of costs or the cost of capital) and rate base amount at the end of year ten.

One stakeholder suggested that, in order to evaluate the "all-in" cost of gas for proponents and consumers, incremental gas supply costs should be included in the analysis. The OEB is of the view that gas supply costs, including commodity costs and associated upstream transportation costs to Ontario, are not required as they are assumed to be common costs for all proponents. Assuming otherwise could introduce significant bias given that differences in gas supply cost projections between proponents could be material. However, to the extent that a proponent is proposing to use CNG or LNG, the costs of the infrastructure needed, as well as other associated costs, should be included as part of the project costs as CNG or LNG would displace pipelines to be built over a greater distance.

Comments related to Part V – Section 36.2 Funding

One stakeholder stated that information regarding the section 36.2 funding needed in year five per customer number and volumes is not relevant for the purposes of analyzing proposals, and that section 36.2 funding per customer number and volumes should only be required for year ten. The stakeholder also requested clarification regarding whether the full 40 years of system expansion surcharge (SES) revenue needs to be included in calculating the PI and section 36.2 funding information for a proposed project.

The OEB has determined that it will only require the section 36.2 funding information per customer number and volumes for year ten and not for year five, as information called for by sections 3.2 and 3.3 of the Final Guidelines will provide information on the pace of customer attachment and volumes. Sections 5.2 and 5.3 reflect that change. The OEB also confirms that the full 40 years of SES revenue needs to be included in calculating the project PI and section 36.2 funding information, consistent with the approach taken in the OEB's South Bruce decision. The OEB has also clarified in section 7.1 that, in keeping with the OEB's approach to avoiding cross-subsidization between customers, the PI for a proposed project is to be equal to one (1.0) and should be calculated on an individual basis (i.e. a proponent may not calculate its section 36.2 funding need based on a "portfolio" of projects).

Comments related to Part VI – Distribution Charge

One stakeholder stated that the funding required per customer to achieve the required project PI is the key piece of information that is required for an effective review of proposed projects and that the annual amounts recovered by a project proponent are implicit in the PI calculation that is to be provided by proponents. Another stakeholder suggested that the Draft Guidelines are not clear on whether the OEB intends proponents to identify average distribution charges or charges applicable to individual rate classes, and argued that some sort of average would be of limited value. This stakeholder noted that the Draft Guidelines clearly do not contemplate the provision of the kind of cost allocation information that would conventionally be relied upon in identifying and approving rates by rate class.

The OEB confirms that it does not expect that proponents will submit a cost allocation study to establish distribution charges at the rate class level, as this may be too onerous for proponents at this stage.

The OEB maintains that an estimate of distribution charges should be provided as it would be the foundation for determining the rates that would apply during the rate stability period. The OEB has, however, streamlined the Final Guidelines to only capture distribution charges for the residential class over the rate stability period. The OEB notes that, in keeping with the Section 35 Letter, this information is needed to estimate the extent to which a proposed project would reduce the household energy cost burden in the project area (section 3.4 of the Final Guidelines). The OEB has also revised section 6.1 to require proponents to confirm that there would be no material cross-subsidization between rate classes.

Another stakeholder proposed that the entire distribution charge, including both the underlying distribution rates as well as the SES, be subject to a ten-year rate stability period. To the extent that the rates in an expansion community are based on a utility's existing rates plus the SES, then these underlying rates may change through the utility's ordinary periodic rate cases to reflect, for example, an adjustment under an incentive regulation mechanism. In the OEB's view, taking this approach would introduce an assumption – that stand-alone rates are required for every community expansion project – that is inconsistent with OEB decisions². As a result, the OEB is not implementing this proposal.

Comments related to Part VII – Profitability Index

One stakeholder suggested that the PI calculation should be based on the OEB's E.B.O. 188. As discussed in the section on "Comments related to Part V" above, both the section 36.2 funding need and the project PI should be calculated based on an individual project and not on a "portfolio" of projects, in keeping with the OEB's approach to avoiding cross-subsidization between customers.

One stakeholder stated that there is no need for detailed supporting documentation related to the PI for each individual project. The OEB agrees and has modified sections 7.1 and 7.2 to only include a summary table with which proponents can demonstrate that the PI is equal to one (1.0). Any major assumptions used in the calculation, such as the discount rate, are also to be identified. The OEB expects that proponents will base their PI calculation on the methodology outlined in E.B.O. 188, except as otherwise stated in the Final Guidelines.

² For example, EB-2015-0179: Union Gas Ltd. Community Expansion

Comments related to Part VIII – OEB Approvals

One stakeholder commented that it would be difficult to identify required approvals beyond leave to construct, Certificates and franchise agreements. A project proponent would not typically be aware of other permits/approvals required from municipalities, conservation authorities, etc.

The OEB wishes to clarify that this section only pertains to approvals that will be required from the OEB. The OEB is not asking proponents to provide information on all other approvals or permits that may be required in respect of a given proposed project. For the purposes of preparing the information required by section 8.2 of the Final Guidelines, proponents should reference the performance standards posted on the OEB's [website](#) and where applicable assume a written hearing process.

Comments on the Sufficiency of the 90-day Timeline

The OEB received relatively few comments regarding the sufficiency of the 90-day period within which interested project proponents may file their information with the OEB.

One stakeholder suggested that the timeline biases in favour of incumbent distributors. Another stakeholder recommended that as much time as possible be provided for proponents to prepare submissions.

While the OEB understands the preference for more time to submit project information, the OEB is of the view that it is appropriate to maintain the 90-day period given that the Report is expected by August 31, 2020 as set out in the Section 35 Letter. This will allow for a 90-day window for submissions and a 90-day window for the OEB to analyze project information and submit its Report to the Ministry by August 31, 2020.

Comments on the Confidentiality of Information

The OEB received relatively few comments regarding information that interested parties believe should be treated as confidential as per the OEB's [Rules of Practice and Procedure](#) and its [Practice Direction on Confidential Filings](#). Neither of the existing rate-regulated natural gas distributors provided comments related to confidentiality.

As noted in its December 19, 2019 letter, the OEB intends to post each proponent's project information on the OEB website following the deadline for filing project information, subject to the exception noted in the next section.

Comments on the Options for Filing Information as between Certificate and Non-Certificate Holders

The OEB received relatively few comments related to the alternative options for addressing the requirement in the Section 35 Letter that a proponent must be the holder of the Certificate unless the Certificate holder does not propose a project for the area.

One stakeholder supported having the Certificate holder confirm in writing, immediately following the issuance of the Final Guidelines, to which Certificate areas they wish to bring forward a project (option 1), as this would be less administratively burdensome. Another stakeholder supported option 2 (i.e. allowing interested project proponents to bring forward proposed projects in areas where they do not have a Certificate, on the understanding that the Certificate holder in essence has a "right of first refusal"), stating that this option is more practical, and that the OEB should consider projects by non-Certificate holders. Another stakeholder stated that all proposed projects that satisfy the base requirements should be considered, regardless of whether or not the proponent is the Certificate holder. One stakeholder expressed concern with both options and proposed that the OEB allow multiple proponents, including the Certificate holder as well as others, to file project information and include them in the Report.

The OEB has selected option 2, as it appears to be more equitable and is less administratively burdensome for proponents. The other options suggested by some stakeholders are not compatible with the Section 35 Letter. As a result, the OEB will not include in its Report any proposed project from a non-Certificate holder unless the Certificate holder does not bring forward a project for the same area, and the OEB will not be posting project information for projects that are not included in the OEB's review.

Cost Awards

The issuance of the Final Guidelines marks the conclusion of this consultation. The OEB thanks all stakeholders for their contributions. A Notice of Hearing for Cost Awards will be issued separately.

Filing Instructions

All materials filed with the OEB must quote the file number, **EB-2019-0255**, be made in a searchable/unrestricted PDF format and sent electronically through the OEB's web portal at <https://pes.ontarioenergyboard.ca/eservice>. Two paper copies must also be filed at the OEB's address provided below. Filings must clearly state the sender's name, postal address and telephone number, fax number and email address. Parties must use the document naming conventions and document submission standards outlined in the RESS Document Guideline found at <https://www.oeb.ca/industry>. If the web portal is not available parties may email their documents to the address below. Those who do not have computer access are required to file seven paper copies.

All communications should be directed to the attention of the Registrar at the address below, and be received no later than 4:45 p.m. on the required date.

ADDRESS

Ontario Energy Board
P.O. Box 2319
2300 Yonge Street, 27th Floor
Toronto ON M4P 1E4
Attention: Board Secretary

Email: boardsec@oeb.ca
Tel: 1-888-632-6273 (Toll free)
Fax: 416-440-7656

Yours truly,

Original signed by

Christine E. Long
Registrar and Board Secretary

Appendix A

Final Guidelines for Potential Projects to Expand Access to Natural Gas Distribution

Proponents completing the costing information outlined below should exclude the following unless noted otherwise:

- Demand-Side Management (DSM) costs
- Gas commodity costs and associated upstream transportation costs to Ontario
- Royalty payments to municipalities if the payments are not recovered through the revenue requirement

References to “section 36.2 funding” below are references to funding under section 36.2 of the *Ontario Energy Board Act, 1998* (OEB Act).

Part I – Name of Proponent	
Name of Proponent:	File No: EB-2019-0255
Project Name:	
Address of Head Office:	Telephone Number:
Name of Individual to Contact:	Office Telephone Number:
	Cell Phone Number:
	Email Address:

Part II – Description of Proponent’s Technical Expertise and Financial Capability
<p><i>Natural gas distributors that are currently rate-regulated by the OEB are not required to complete this Part.</i></p> <p><i>A proponent that is not currently rate-regulated as a natural gas distributor by the OEB and that has multiple proposed projects is only required to provide the information in this Part once, unless the proponent has different organizational or financial structure approaches for its projects. In that case, the information in this Part must be provided for each different organizational or financing structure.</i></p>

Part II – Description of Proponent’s Technical Expertise and Financial Capability	
2.1	Describe the proponent’s technical expertise to develop, construct, operate and maintain a natural gas distribution system.
2.2	<p>Describe the proponent’s financial capability to develop, construct, operate and maintain a natural gas distribution system, and provide the following:</p> <ul style="list-style-type: none"> • Current credit rating of the proponent, its parent or associated companies. • Financial statements for each of the past two fiscal years. This may include audited financial statements, annual reports, prospectuses or other such information. If the proponent does not have financial statements (because it is a new entrant), the proponent is instead to provide pro forma financial statements for two years along with notes or business plans explaining the assumptions used in preparing the pro forma statements, where the documents must be signed by at least one key individual. • If the proponent needs to raise additional debt or equity to finance the proposed project, evidence of the proponent’s ability to access the debt and equity markets. <p>New entrants that cannot provide the information identified in this section should explain why that is the case and provide the best information that they have available.</p>

Part III – Description of and Support for Project	
3.1	<p>Provide a general overview of the project, which is to include the following: communities to be connected, including whether the project would serve any on-reserve Indigenous communities; existing population of each community by residential, commercial/institutional and industrial sectors; routing; length of pipeline; and nominal pipe size.</p> <p>For a proponent that is not rate-regulated as a natural gas distributor by the OEB, provide a high-level description of sources of the commodity, upstream transportation, and any other relevant gas supply considerations. For all proponents proposing projects using CNG and/or LNG, provide a high-level description of the approach to procuring supply, including the infrastructure that will be required.</p>
3.2	Provide the annual and cumulative forecast of the number of customer attachments over the ten-year rate stability period by residential, commercial/institutional and industrial sectors for each community. Indicate for each customer type whether the service to be provided would be firm or

Part III – Description of and Support for Project	
	interruptible.
3.3	<p>Provide the annual and cumulative forecast of volumes (in m³) over the ten-year rate stability period by residential, commercial/institutional and industrial sectors for each community.</p> <p>For the residential segment, the default value for the average consumption level is 2,200 m³ per year. A proponent that has more accurate information regarding the annual consumption for residential customers in a given community may use that value, in which case it must explain how it has determined that it is more accurate than the default.</p>
3.4	<p>Provide the estimated conversion costs to convert each of the existing heating systems (e.g., propane forced air, oil forced air, electric forced air and electric baseboard) and water-heating systems (e.g., electric, oil and propane) to natural gas. To the extent available, provide information on the current proportion of customers on each type of heating system.</p> <p>Provide the estimated annual costs of the existing alternative fuels relative to natural gas, including the annual savings with natural gas. The calculation of household energy costs for natural gas should include conversion costs, commodity costs, associated upstream transportation costs to Ontario, incremental CNG and LNG costs (where applicable), costs under the federal <i>Greenhouse Gas Pollution Pricing Act</i> and distribution costs. The assessment of household energy cost impacts should include greenhouse gas (GHG) emission estimates (whether positive or negative) related to converting existing heating and water heating systems to natural gas. The major assumptions (e.g. conversion factors) used in the calculations must also be provided.</p>
3.5	Provide the proposed schedule for construction including the start date, all major milestones (with any phases) and the projected in-service date.
3.6	Provide letter(s) from the Band Council(s) and/or local government, as applicable, stating support for the project, including details of any commitment to financial support.
3.7	<p>Provide a copy of the Certificate of Public Convenience and Necessity (Certificate) for the area to be served, if held by the project proponent. If not, indicate whether another entity holds the Certificate for the area to be served, if known, and if so, identify the Certificate holder.</p> <p>Where the project proponent holds a Certificate for the areas to be served, specify the boundaries of the Certificate and indicate whether the boundaries encompass the entire area that would be supplied by the proposed project.</p>

Part III – Description of and Support for Project															
Part IV – Cost of Project															
4.1	Confirm that the proposed project includes a ten-year rate stability period.														
4.2	<p>Provide the total forecast of capital costs (including any forecast of upstream reinforcement costs) of the project at the end of the rate stability period (i.e. year ten).</p> <p>Where applicable, the inflation rate to be used is the most recent quarter average GDP IPI FDD. For interest during construction, the proponent is to use the OEB-prescribed interest rate for construction work in progress (CWIP).</p> <p>For projects proposing to use CNG and/or LNG, the costs of required infrastructure and other associated costs must be included as part of the total project capital costs.</p> <p>Include any upstream reinforcement costs in the total cost of the project. To the extent that the reinforcement costs for an incumbent utility’s proposed project are materially different from the reinforcement costs that the utility has estimated for another proponent’s project in the same area, the incumbent utility must identify in its filing that two separate estimates exist and explain the reasons for the differences.</p>														
4.3	<p>Provide the total annual forecast revenue requirement of the project over the ten-year rate stability period (using fully allocated OM&A costs) and rate base amount at the end of year ten.</p> <p>Complete the tables below:</p> <p>Revenue Requirement</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Year 1</th> <th>Year 2....</th> <th>Year 10</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Revenue requirement</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Description</th> <th>Year 10</th> </tr> </thead> <tbody> <tr> <td>Closing Rate Base</td> <td></td> </tr> </tbody> </table> <p>Where applicable, the inflation rate to be used is the most recent quarter average GDP IPI FDD. For interest during construction, the proponent is to use the OEB-prescribed interest rate for construction work in progress (CWIP).</p>	Description	Year 1	Year 2....	Year 10	Total	Revenue requirement					Description	Year 10	Closing Rate Base	
Description	Year 1	Year 2....	Year 10	Total											
Revenue requirement															
Description	Year 10														
Closing Rate Base															

Part V – Section 36.2 Funding	
5.1	Provide the total amount of section 36.2 funding needed to support the project.
5.2	Provide the section 36.2 funding amount per customer number served in year ten of the project.
5.3	Provide the section 36.2 funding amount per volume (m ³) in year ten of the project.

Part VI – Distribution Charge	
6.1	<p>Provide the estimated amount that the proponent proposes to recover from residential customers on an annual basis (inclusive of any system expansion surcharge) in the form of an estimated annual distribution charge inclusive of fixed and variable charges over the rate stability period.</p> <p>Provide a confirmation that there would be no material cross-subsidization between rate classes.</p>

Part VII – Profitability Index / Benefit to Cost Ratio	
7.1	<p>Provide, in a summary table, the expected Profitability Index (PI) of the project, inclusive of the proposed section 36.2 funding. Provide any major assumptions used in the calculation, and specify all proposed section 36.2 funding, revenue from rates (including any proposed system expansion surcharges), capital contributions and municipal tax holidays or other municipal financial support.</p> <p>The project must have a PI of 1.0. The PI is to be calculated based on an individual project (i.e. not a “portfolio” of projects).</p>
7.2	Provide, in a summary table that otherwise meets the requirements of section 7.1, the expected PI of the project without the proposed section 36.2 funding.

Part VIII – OEB Approvals	
8.1	Identify any OEB approvals that will be required for the project (Leave to Construct, Certificate of Public Convenience and Necessity, Municipal Franchise Agreement, Rate Order)
8.2	For OEB approvals identified in section 8.1, provide a schedule for applying for them and the date by which each of these approvals is required to meet the proposed in-service date. For this purpose, proponents should reference the performance standards posted on the OEB's website and where applicable assume a written hearing process.

**Ministry of Energy,
Northern Development
and Mines**

**Ministère de l'Énergie,
du Développement du Nord
et des Mines**



Office of the Minister

Bureau du ministre

Office of the Associate Minister
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DEC 12 2019

MC-994-2019-935

Mr. Robert Dodds
Vice-Chair
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto ON M4P 1E4

Dear Mr. Dodds:

I write in my capacity as the Minister of Energy, Northern Development and Mines with the support of the Associate Minister of Energy in order to exercise the statutory power I have under section 35 of the *Ontario Energy Board Act, 1998* ("Act") to require the Ontario Energy Board ("Board") to examine and report back to the Ministry of Energy, Northern Development and Mines ("Ministry") with information on potential projects to expand access to natural gas distribution systems for new customers.

Background

On September 18, 2018, the Government announced it would take action to expand natural gas distribution to communities that are not currently connected to a natural gas distribution system.

The *Access to Natural Gas Act, 2018*, which amended the Act, provides a mechanism to financially support the expansion of natural gas distribution for projects that would otherwise be considered uneconomic under existing policies.

Ontario Regulation 24/19, Expansion of Natural Gas Distribution Systems ("Regulation"), under the Act supports natural gas expansion by imposing a \$1 per month charge on existing natural gas customers. The nine projects currently listed in the Regulation are eligible for financial support, subject to receiving any necessary Board approvals. Several of these projects are currently under construction.

In order to build on the progress to date, the Government intends to further increase access to natural gas by making additional new projects eligible for financial support. The Government intends to make use of the same mechanism articulated in the current Regulation; namely, the collection of \$1 per month from existing natural gas customers.

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The Government intends for approximately \$130 million to be made available to support new natural gas projects that can reasonably be expected to commence construction between 2021 and 2023.

Section 35 Report

Therefore, pursuant to my authority under s.35 of the Act, with the support of the Associate Minister of Energy, I require the Board to examine and report back to the Ministry with information about additional natural gas expansion projects that the Government could consider as potential candidates for financial support.

It is the Government's intention that financial support be limited to potential natural gas expansion projects that would, under existing policies, be considered uneconomic.

I expect the Board to apply its expertise in developing a process to solicit information from proponents about proposed natural gas distribution expansion projects, and to analyze the proposed projects with a focus on assessing whether they can be implemented substantially as proposed. This should include a call for a demonstrated commitment by the proponent that it would be willing to be held to the project cost, timelines and volumes forecasts as set out in their project proposal. The Board's approach should consider the following:

1. The number of customers (in terms of customer count, volume of gas to be distributed, and customer type) that would be connected by each proposed project;
2. The total cost of each proposed project, as well as the dollar amount of support needed for each proposed project to meet the Board's profitability threshold;
3. The proposed construction start date and construction period for each proposed project, as the Government's focus is on projects that can reasonably be expected to start construction by 2023, allowance being made for the timelines typically applicable to the process of obtaining regulatory approvals;
4. The project proponent's demonstrated experience, technical expertise and financial ability to build and operate a natural gas distribution system;
5. Support for the proposed project from Band Council(s) and/or local government, as applicable, demonstrated through a written expression of support and/or a commitment to financial support;
6. If a proposed project is in an area where a Certificate of Public Convenience and Necessity exists, the proponent must be the Certificate holder unless the Certificate holder does not propose a project for the area; and
7. The extent to which the project proponent expects that the proposed project would reduce the household energy cost burden in the project area.

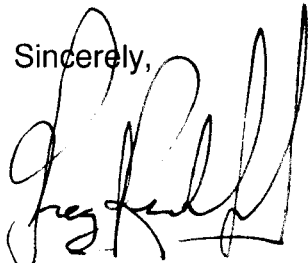
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I expect the Board to issue a call for information in early 2020, including details of the information to be filed by interested project proponents. The Board should consider a minimum 90-day window for information submissions. I also ask that, in developing its approach, the Board be mindful of the Government's focus on minimizing regulatory burden for stakeholders.

It is my expectation that the Board will report back to the Ministry no later than August 31, 2020. The information provided by the Board will be taken into account, along with other considerations, to make a determination on future expansion projects. If there is a need to consider further projects for expansion, the Ministry may request that the OEB proceed with a second call for information and report back to the Ministry.

Sincerely,



The Honourable Greg Rickford
Minister of Energy, Northern
Development and Mines



The Honourable Bill Walker
Associate Minister of Energy

c: Mary Anne Aldred, Chief Operating Officer & General Counsel

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit C, Tab 1, Schedule 1

Question(s):

- a) Please provide a table showing individually for each portion of the project: (i) the design hour capacity, (ii) the forecast design hour demand if the full customer attachment/revenue forecast materializes, (iii) the design hour capacity if Enbridge were to use the next smallest sized pipe, and (iv) the cost savings from using the next smallest size pipe.
- b) Individually for each portion of the project, please indicate whether Enbridge could downsize the pipe, *or part of the pipe*, and still meet the demand underlying the revenue forecast. Please provide a full explanation, including a quantification of the savings from downsizing.

Response:

- a) Please refer to Table 1 for (i) design hour capacity, (ii) forecasted design hour demand of each section of the project, and (iii) the design hour capacity if Enbridge Gas were to use the next smallest sized pipe. A cost savings analysis of all sections based on a smaller diameter pipe is not practical given the smaller diameter pipe would be insufficient for the design hour capacity required.

Table 1: Comparison of Design Hour Capacities for the Proposed Project Facilities

Section	1	2	3	4	5	6	7 & 9	8
Design Capacity (m ³ /h)	325	13	530	324	393	260	1160	156
Forecasted Design Hour Demand (m ³ /h)	18	11	20	15	153	174	1115	76
Design Hour Capacity of Downsized Pipe (m ³ /h)	N/A	6	N/A	N/A	N/A	N/A	127	N/A

Note 1: Sections 1, 3, 4, 5, 6 and 8 were already designed with the smallest pipe size therefore cannot be downsized.

Note 2: Section 2 includes an 80m NPS 4 PE IP reinforcement. If the reinforcement were downsized, the design capacity of section 2 would be reduced to 6 m³/h which could not meet the required forecasted load (11 m³/h).

Note 3: Due to the change of proposed station location in section 6, the 60m ST NPS 4 pipe is no longer required and has been changed to NPS 2 PE pipe. All pipes in section 6 are now sized to the smallest pipe size and cannot be downsized.

Note 4: Section 7 & 9's main pipe (approximately 10.2 km) is designed with NPS 4 PE IP. This pipe feeds both section 7 and section 9. If this pipe was designed entirely with NPS 2 PE IP, the total design capacity of section 7 and 9 would be only 127 m³/h which could not meet the total forecasted load of section 7 and 9 (1115 m³/h).

b) Enbridge Gas could only downsize about 890 m of section 7 and 110m of section 9 from NPS 4 to NPS 2 and still meet the forecasted demand. All other pipe sections cannot be downsized as they are already of the minimum design. The total length of NPS 4 pipe in section 7 & 9 is approximately 10.2 km and the last 1000 m of pipe along McCowan Rd, that could potentially be downsized, feeds two NPS 2 pipes that supply gas to section 9. Downsizing the pipe in this section would result in the minimum design with no remaining capacity for any other customers based on current forecast, therefore limiting access to natural gas to potential customers that may choose to attach beyond the forecast (Exhibit I.STAFF-11 part b). See Table 2 for the limited cost savings associated with downsizing this small segment of pipe in sections 7 & 9.

Table 2: Cost Savings from Downsizing

Section	7 & 9
Current design pipe size	NPS 4
Downsized pipe size	NPS 2
Pipe Length (m)	1000
Cost Saving from downsizing	~\$31 000

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1

Question(s):

- a) Table 2 shows the projected customer additions. Please confirm if the years indicated are calendar years. If not, please explain.
- b) Please provide a copy of table 2 with “Year 1, Year 2...” replaced with the actual years.

Response:

As noted in the cover letter to Enbridge Gas’s evidence update filed August 30, 2024, the forecasted customer attachments for the Project have been updated from Enbridge Gas’s pre-filed evidence at Exhibit B, Tab 1, Schedule 1, Table 2.

- a) Not Confirmed. Each attachment year represents a full 365 days, starting at the Project or Project phase actual in service date. Phase 1 is expected to go into service in March of 2025. Year 1 is therefore expected to start March 2025 and end March 2026.
- b) Please see Table 2 reproduced with actual years running from March to March.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1, Attachment 4 (Forum Survey Results)

Question(s):

- a) Please provide a table showing, of the respondents likely to connect to natural gas (incl. likely, very likely, and extremely likely), how many and what percent have each of the following space heating systems (# and %): electric baseboard, electric heat pump, electric other, propane, oil, wood, and other.
- b) Please provide a table showing, for each of the respondents likely to connect to natural gas (incl. likely, very likely, and extremely likely) that use oil heating, what is the size of their household and what is their household income (confirming whether that be before or after tax income).
- c) Please provide the fully granular results from the surveys in a live excel spreadsheet. Please include descriptive column headings (not simply reference to survey question numbers). Please include a key or data label table if necessary to understand the responses.
- d) Please provide the fully granular survey materials, including any letters sent to residents, door-to-door survey materials, online survey questions, and CATI survey questions.
- e) CATI survey question materials can be difficult to understand in their “raw” form. Please provide a question mapping document and any other available materials to help the reader understand which questions are asked and when.
- f) Please indicate the number of respondents with air conditioning. If that question was not asked, please provide an average number based on Ontario’s housing stock or Enbridge’s equipment surveys.

- g) Please provide the approximate average age for customers' propane furnaces. Please provide this figure for all respondents with a propane furnace and for the subset of customers likely to connect to the gas system (incl. likely, somewhat likely, and extremely likely).
- h) How much did Enbridge pay to Forum to conduct this survey? If that cost included in the project costs? If not, how has that cost been allocated?
- i) Please provide a table showing how much Enbridge has paid Forum Research with respect to each individual gas expansion project.
- j) How much has Enbridge paid to Forum Research in each year from 2020 to 2023?

Response:

- a) The requested information is provided at Exhibit B, Tab 1, Schedule 1, Attachment 4 (Forum Survey Results), page 2. All types of electric heating other than heat pumps were grouped together due to small base sizes.
- b) 38 respondents using oil as their primary heating fuel indicated they are likely to connect to natural gas. Individual survey responses for household income (before taxes) and household size are shown in Table 1 for these 38 respondents. Where data is not provided in Table 1, the respondent declined to provide a response.

Enbridge Gas cautions that the number of respondents that provided both household income and household size is low and this limits the ability to draw conclusions about the broader East Gwillimbury area on this matter.

Table 1
Respondents with oil heating likely to connect to natural gas:
Individual responses to household income and size

Respondent	Household Income	Household Size
1	\$100,000 to less than \$120,000	2
2	\$140,00 or more	2
3	\$20,000 to less than \$40,000	3
4	\$140,00 or more	2
5	\$140,00 or more	4

6		
7	\$140,00 or more	4
8	\$140,00 or more	5
9		4
10		2
11		2
12	\$60,000 to less than \$80,000	3
13		2
14	\$100,000 to less than \$120,000	2
15	\$100,000 to less than \$120,000	5
16	\$140,00 or more	5
17	\$120,000 to less than \$140,000	4
18	\$20,000 to less than \$40,000	2
19	Refused	4
20	\$140,00 or more	4
21	\$140,00 or more	5
22	\$80,000 to less than \$100,000	2
23	\$60,000 to less than \$80,000	2
24	\$140,00 or more	5
25	\$140,00 or more	4
26	\$140,00 or more	2
27	\$140,00 or more	2
28	\$100,000 to less than \$120,000	4
29		
30		4
31		2
32		3
33	\$140,00 or more	3
34	\$140,00 or more	4

35	\$140,00 or more	2
36		
37	\$140,00 or more	3
38		2

- c) Please see Attachment 1 to this response. Information that could identify the respondent is not included within the file.
- d) Survey materials consisted of the letter distributed to homes in the Project area (see Attachment 2 to this response), the survey instrument (see Attachment 3 to this response), and a brochure outlining the benefits and costs of natural gas (provided at Attachment 1 to Exhibit I.PP-8). The survey instrument includes the survey questions and programming logic used for all methodologies.
- e) Enbridge Gas recognizes that the instruments can be difficult to understand in the format that is output from the survey systems. As such, a simplified version is provided with the questions and programming logic at Attachment 3 to this response. Where very minor differences exist in instructions (for example, some questions in the online survey instructed respondents to select from a list of options whereas options are read in the telephone version) the instrument provides the online instructions.
- f) The survey did not collect information related to air conditioning as summer cooling is not relevant to the Project.

Among existing residential customers living in single-family homes across the entire Enbridge Gas service territory, the 2023 Residential Single Family Natural Gas End Use Equipment study conducted by Enbridge Gas found that 91% have air conditioning, of which 90% is a central air conditioning system. However, there can be considerable variation in air conditioning penetration across the Company's service area and therefore franchise-wide results may not be representative of a specific area or community.

- g) Enbridge Gas interprets the request as pertaining to the Forum survey conducted within the Project area with prospective customers, not existing Enbridge Gas customers.

The average age of propane systems used as the primary heating source was 7.18 years in total and 7.21 years among those likely to connect to natural gas. For the purpose of calculating the average, responses of "less than one year old" were counted as 1. Note this information was collected in June 2023.

- h) The cost of the East Gwillimbury survey was \$9,650 (not including HST). This cost was not included in the Project costs. This cost was allocated to Enbridge Gas's annual O&M consulting budget which includes costs for market research and marketing for community expansion projects.
- i) Costs for community expansion surveys conducted 2020-2023 are provided in Table 2 below. No surveys were conducted in 2021. In some cases, the surveys for multiple communities were conducted at the same time and were quoted and billed together. It is not possible to disaggregate costs for those communities since some project elements were shared, and as such a cost for the relevant group of community surveys is provided.

Table 2
Cost of Community Expansion Surveys (2020-2023)

Year	Community	Cost
2020	Augusta Township/Hwy 2	\$39,350
	Ballinfad/Silver Creek	
	Featherstone	
	Glendale	
	Grafton/Haldimand Shores	
	Williamsford/McCullough Lake	
	Brennan Line	\$21,200
	Edwardsburg/Cardinal	
	Elmwood	
	Meaford	
	North Clarington/Enniskillen	
	Haydon/Tyrone	
	Washago/Orillia	
2022	Eganville	\$15,304
	Cedar Springs	\$66,200
	Selwyn/8 th Line	
	Bobcaygeon	
	Hidden Valley	
	Cherry Valley	
	Neustadt	
Sandford		
2023	Lanark/Balderson	\$33,000

	Washago	
	St Charles	
	Chute a Blondeau	
	Merrickville/Wolford	
	Glendale	
	Boblo Island	\$20,350
	East Gwillimbury	\$9,650
	Tweed	\$3,800

- j) The total cost of community expansion surveys conducted by Forum Research from 2020 to 2023 is provided in Table 3 below.

Table 3
Total Cost of Expansion Surveys by Year (2020-2023)

Year	Total Cost
2020	\$60,550
2021	\$0
2022	\$81,504
2023	\$66,800

This page is intentionally left blank. Due to size, this Attachment has not been included.

Please see Exhibit I.ED-7_Attachment 1.xlsx on the OEB's RDS.



ATTENTION EAST GWILLIMBURY AREA RESIDENTS

SHARE YOUR OPINION REGARDING NATURAL GAS SERVICE EXPANSION IN YOUR AREA
PLEASE TAKE OUR ONLINE SURVEY – INVITATION ENCLOSED

May 2023

Subject: Natural Gas expansion within your community

Dear Resident:

Enbridge Gas has asked Forum Research to conduct a survey to help evaluate the feasibility of extending the natural gas system to homes and businesses similar to yours. **This online survey will run from June 08 – June 22, 2023, with the intention of gauging your interest in connecting to natural gas, should it become available in your community.** You could also be contacted door-to-door or by telephone to complete the survey.

Enbridge Gas was recently in the community to distribute information about the costs and benefits associated with switching to natural gas, as well as alternative technologies to serve your energy needs. If you haven't already done so, please read through the attached information from Enbridge Gas before completing the survey.

We are only able to accept one survey response from each property. Survey respondents must be 18 years or older and the person most responsible for making energy decisions for your property. Your survey responses will be held in confidence and only shared with Enbridge Gas in aggregate for reporting and decision-making purposes.

Although we thank all respondents for completing the survey, completing the survey does not guarantee that your property will be served by natural gas as part of this project. In addition, please know that completing the survey is not an application for natural gas service.

If you have any questions about the survey, please reach out to us at ceapplications@enbridge.com or visit us online at enbridgegas.com/savewithgas.

To access the survey, please enter the following into your browser:

<https://survey.forumresearch.com/SE/1/UGGO/>

Many thanks in advance for your time.

Ahmed Al-Amry P.Eng., PMP

Supervisor, Community Expansion
Capital Development & Delivery



To complete the survey on your mobile device, please scan the QR code above.

Community Expansion Survey

Boblo Island, Chute-a-Blondeau, East Gwillimbury, Glendale, Lankark Balderson, Merrickville Wolford, St. Charles, Tweed, Washago

INTRODUCTION SECTION FOR DOOR-TO-DOOR

IF NOBODY AT HOME:

LEAVE A COPY OF THE LETTER CONTAINING LINK TO THE ONLINE SURVEY ALONG WITH THE EDUCATIONAL BROCHURE AT THE DOOR.

IF THE RESIDENT IS AT HOME:

Good morning/afternoon/evening. My name is (_____) of Forum Research, a national market research company. Forum Research on behalf of Enbridge Gas is conducting a survey to assist in determining whether natural gas will be expanded to your community.

May I speak with the person in the house who is mainly responsible for making energy-related decisions?

Yes

No

REFUSED

IF NO OR REFUSED – OFFER A HARD COPY OF THE LETTER ALONG WITH THE EDUCATIONAL BROCHURE.

IF YES - CONTINUE

S1. Enbridge Gas sent a brochure to residents in your community about the costs and benefits associated with switching to natural gas and has also been door-to-door to answer questions. Have you received the brochure from Enbridge Gas and had the chance to read through or have you had a conversation with Enbridge Gas staff about the costs and benefits associated with switching to natural gas?

Yes

No

IF S1 = NO

OFFER A HARD COPY OF THE EDUCATIONAL BROCHURE ALONG WITH THE LETTER CONTAINING LINK TO THE ONLINE SURVEY AND REQUEST THEY GO ONLINE AND COMPLETE THE SURVEY AFTER REVIEWING THE BROCHURE. ALSO, OFFER THEM THE OPTION TO BE INTERVIEWED VIA TELEPHONE BY PROVIDING THEIR TELEPHONE NUMBER.

IF S1 = YES

- PROVIDE A HARD COPY OF THE LETTER CONTAINING LINK TO THE SURVEY.
- IF THE RESIDENT IS WILLING, COMPLETE THE SURVEY USING THE HANDHELD DEVICE.

Thank you for taking part in this survey! This survey should take less than 15 minutes. The information you will provide us will be aggregated with others for reporting purposes. Please note that completing the survey does not guarantee that your property will be served by natural gas as part of this project. In addition, please know that completing the survey is not an application for natural gas service.

GO TO QUESTION SCR3A.

INTRODUCTION SECTION FOR ONLINE

Thank you for taking part in this survey! Forum Research on behalf of Enbridge Gas is conducting this survey to assist in determining whether natural gas will be expanded to your community. We are looking to hear from people 18 and over who are responsible for making energy decisions for their property. This survey should take less than 15 minutes. The information you will provide us will be aggregated with others for reporting purposes. Please note that completing the survey does not guarantee that your property will be served by natural gas as part of this project. In addition, please know that completing the survey is not an application for natural gas service.

S2. Enbridge Gas sent a brochure to residents in your community about the costs and benefits associated with switching to natural gas and has also been door-to-door to answer questions. Have you received the brochure from Enbridge Gas and had the chance to read through or have you had a conversation with Enbridge Gas staff about the costs and benefits associated with switching to natural gas?

Yes

No

IF S2 = NO

Please read through the brochure before completing the survey (ADD LINK TO THE ONLINE VERSION OF THE EDUCATIONAL BROCHURE HERE).

S3-O. To give residents multiple options and opportunities to complete the survey, we are conducting the survey by telephone, online, and door-to-door. Have you already completed the survey?

Yes – THANK AND TERMINATE

No – CONTINUE

INTRODUCTION SECTION FOR TELEPHONE

Good morning/afternoon/evening. My name is (_____) of Forum Research, a national market research company. Forum Research on behalf of Enbridge Gas is conducting a survey to assist in determining whether natural gas will be expanded to your community. The survey will take less than 15 minutes to complete. Please note that completing the survey does not guarantee that your property will be served by natural gas

as part of this project. In addition, please know that completing the survey is not an application for natural gas service.

QA: May I please speak with the person in the house who is mainly responsible for making energy-related decisions for your home?

- YES - THANK YOU
- NO - When is a better time for me to call back? (SCHEDULE CALL APPOINTMENT)
- REFUSED - THANK AND TERMINATE

S3-T. To give residents multiple options and opportunities to complete the survey, we are also conducting the survey by telephone, online, and door-to-door. Have you already completed the survey?

Yes – THANK AND TERMINATE

No – CONTINUE

SCR3. Do you own or rent this property?

Own

Rent (option to enter contact info for property owner) → Thank and terminate

Do not live in the area → Thank and terminate

SCR5. Which of the following best describes the building (or buildings) at this location?

Agriculture

Commercial

Farm

Industrial

Residential

Both Residence and a Business

Space Heating

H1A. What is the main energy source of heat for this premise? Is it...?

Oil

Propane

Electricity – baseboard or furnace

Electricity – geothermal/ground source heat pump

Electricity – air source heat pump

Wood

No heating

Other [SPECIFY]

IF H1A = NO HEATING SYSTEM, SKIP TO W1, ELSE CONTINUE

H1B. Do you have a secondary energy source for your furnace or home heating system?

Yes (GO TO H1C)

No (GO TO H2)

H1C. Which energy source do you use as your secondary energy source for your furnace or home heating system?

Oil

Propane

Electricity – baseboard or furnace

Electricity – geothermal/ground source heat pump

Electricity – air source heat pump

Wood

Other [SPECIFY]

H2. How old is your main heating system?

H3. How likely are you to replace your main heating system in the next 2 years?

Are you...?

Extremely likely

Very likely

Likely

Not very likely

Not at all likely

Water Heating

Now, I would like to ask you a few questions about your water heater.

W1. What is the MAIN fuel source for heating your water?

Propane

Oil

Electricity

Wood

Geothermal/Ground source

Other: [SPECIFY]

W2. How old is your water heater?

5 years or less

6 to 10 years old

11 to 15 years old

16 to 25 years old

Over 25 years old

Don't know

W3. Is your water heater owned or rented?

Owned

Rented

Don't Know

Likelihood to Connect to Natural Gas

NEW. Considering the benefits and costs, (including the System Expansion Surcharge and Federal Carbon Pricing Program), associated with switching to natural gas mentioned in the brochure from Enbridge Gas, how likely are you to connect to natural gas?

Considering this, how likely are you to connect to natural gas? Would you say...?

Extremely likely

Very likely

Likely

Not very likely

Not at all likely

[ASK H9a IF NEW= NOT VERY LIKELY OR NOT AT ALL LIKELY]

H9a. You indicated that you are unlikely to connect to natural gas if it becomes available. Can you explain why?

This is a cottage occupied only in the summer

Prefer a different fuel source

Have no plans to change

Not interested at this time, maybe in the future

Plan on building a new home (or facility) / moving

Too expensive to change equipment

Price uncertainty

Environmental concerns

Other: [SPECIFY]

Expansion Timeline

[ASK E1 AND E2 IF NEW=EXTREMELY LIKELY, VERY LIKELY, OR LIKELY]

E1. You indicated that you are likely to connect to natural gas. Assuming natural gas service becomes available, when would you likely connect?

Within the first 12 months

Within 1 to 2 years

Within 2 to 3 years

After 3 years

E2. I am going to read you a list of appliances that could be powered by natural gas. For each appliance, please tell me if you would be extremely interested, very interested, interested, not very interested or not at all interested in natural gas for the appliance.

[RANDOMIZE]

Fireplace
Oven, range or stove
Clothes dryer
BBQ
Other [SPECIFY]

[SCALE]

Extremely interested
Very interested
Interested
Not very interested
Not at all interested

ASK QUESTIONS IN SECTION D IF SCR5 = RESIDENCE OR "RESIDENCE AND BUSINESS"

Demographics

I just have a few additional questions for you that will help us group your answers with others who have also participated in the research. As a reminder, your answers will be kept completely confidential and they will not be tied back to you.

D1. Which of the following best describes the style of your house? Is it a ...?

A bungalow or one-story ranch
A raised ranch
A split level
A two story
A three-story house
Some other style

D2. In order to have some idea as to the approximate size of your home in square feet (not including any unfinished basement space) can you tell me how many square feet your home is?

D3. In what year was your house built? Your best estimate is fine.

D3a. Which statement best describes the occupancy of this dwelling?

Occupied all-year round
Occupied mostly in the summer months
Occupied mostly in the winter months
Occupied occasionally year round
Don't know

[SKIP TO D4 IF D3A = OCCUPIED ALL YEAR ROUND, ELSE CONTINUE]

D3b. For approximately how many months did you use this residence during 2021?

D4. How many adults 18 years or over do you have living in your household, including yourself?

D5. And how many children 17 years or younger, if any, do you have living in your household?

D6. In what year were you born?

[ASK D6a IF REFUSE/DON'T KNOW AT D6, ELSE SKIP TO D7]

D6a. Can you please tell me into which of the following age groups you fall? Are you...?

18 to 24

25 to 34

35 to 44

45 to 54

55 to 64

65 or over

Refuse

D7. And lastly, which of the following best describes your total household income before taxes?

Under \$20,000

\$20,000 to less than \$40,000

\$40,000 to less than \$60,000

\$60,000 to less than \$80,000

\$80,000 to less than \$100,000

\$100,000 to less than \$120,000

\$120,000 to less than \$140,000

\$140,000 or more

Refuse

ASK QUESTIONS IN SECTION E IF SCR5 = COMMERCIAL BUSINESS, INDUSTRIAL BUSINESS, OR FARM/AGRIBUSINESS

Firmographics

There are just a few additional questions for you that will help us group your answers with others who have also participated in the research. As a reminder, your answers will be kept completely confidential and they will not be tied back to you.

E2. What is the approximate square footage of the indoor floor space of the main building including basement and storage, but not including parking or loading areas? Please consider only the area that is affected by a heating system.

E3. What is the age of the main building at this location (of the first/second/third building)?

1 YEAR OR LESS,
2 TO 5 YEARS,
6 TO 10 YEARS,
11 TO 20 YEARS,
21 TO 30 YEARS,
31 TO 40 YEARS,
MORE THAN 40 YEARS OLD,
DON'T KNOW
REFUSE

DB3. How many floors does the building have?

E1. How many buildings (are at this location?)

One
Two
Three
Other (Specify) _____
Part of a building
Don't know
Refuse

Thank you for your feedback. We appreciate your willingness to participate in this survey.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1, Attachment 4 (Forum Research Report)

Question(s):

- a) Please provide a detailed list of any difference in the Forum survey questions as between the survey run in East Gwillimbury and those run in Sandford, Selwyn and Hidden Valley, including different introductory information provided to respondents.
- b) For each difference between the surveys that did not arise from energy price differences as between the locations, please explain the reason for the different wording used in East Gwillimbury.

Response:

- a) The Sandford, Selwyn, and Hidden Valley surveys were conducted in 2022 all using the same questionnaire. For surveys conducted starting in May 2023, including the East Gwillimbury survey, Enbridge Gas changed the approach by moving some information which was previously within the survey, such as cost savings information, to a brochure. Due to this change, and also due to a desire to shorten and simplify the survey, some questions included in the Sandford/Selwyn/Hidden Valley survey, were not included in the East Gwillimbury survey. Some refinements were also made to the survey questions that probe the incumbent heating system and fuel used. Table 1 below lists the differences between the surveys. The full text of the Sandford/Selwyn/Hidden Valley survey is provided at Attachment 1 to this response. The full text of the East Gwillimbury survey is provided at Attachment 3 to Exhibit I.ED-7. The accompanying brochure is provided at Attachment 1 to Exhibit I.PP-8

Table 1
Survey Content that Differed between Sandford/Selwyn/Hidden Valley Survey and East Gwillimbury Survey

Question Section	Sandford, Selwyn and Hidden Valley Contents	East Gwillimbury Contents
Introduction	<p>Thank you for taking part in this survey! Forum Research on behalf of Enbridge Gas is conducting this survey to assist in determining whether natural gas will be expanded to your community. We are looking to hear from people 18 and over who are responsible for making energy decisions for their property. This survey should take approximately 6-7 minutes. Please be assured that we are not selling anything and the information you provide to us will be aggregated with others for reporting purposes. Please note that completing the survey does not guarantee that your property will be served by natural gas as part of this project. In addition, please know that completing the survey is not an application for natural gas service. This survey includes cost saving estimates for switching to natural gas, as well as cost estimates for converting or replacing water heating and space heating equipment. Actual costs may vary based on market factors and your specific needs and preferences. No specific savings or cost amount is guaranteed.</p>	<p>Thank you for taking part in this survey! Forum Research on behalf of Enbridge Gas is conducting this survey to assist in determining whether natural gas will be expanded to your community. We are looking to hear from people 18 and over who are responsible for making energy decisions for their property. This survey should take less than 15 minutes. The information you will provide us will be aggregated with others for reporting purposes. Please note that completing the survey does not guarantee that your property will be served by natural gas as part of this project. In addition, please know that completing the survey is not an application for natural gas service.</p> <p>S2. Enbridge Gas sent a brochure to residents in your community about the costs and benefits associated with switching to natural gas and has also been door-to-door to answer questions. Have you received the brochure from Enbridge Gas and had the chance to read through or have you had a conversation with Enbridge Gas staff about the costs and benefits associated with switching to natural gas? Yes No</p> <p>IF S2 = NO Please read through the brochure before completing the survey <LINK>.</p> <p>S3-O. To give residents multiple options and opportunities to complete the survey, we are conducting the survey by telephone, online, and door-to-door. Have you already completed the survey? Yes – THANK AND TERMINATE.</p>

		No - CONTINUE
Current Heating Costs	SCR6. On average, how much is your annual heating cost for this premise including taxes?	Not included
Current Main/Primary Energy Source for Space Heating	<p>H1A. What is the primary energy source of heat for this premise? Is it...?</p> <p>Oil Propane Electricity Wood Heat pump such as a geothermal system No heating Other [SPECIFY]</p> <p>H1B. What type of system provides the primary source of heat for this premise? Is it...?</p> <p>IF H1A = OIL THEN ASK Oil Forced Air Oil Boiler (Hot Water Radiators) Oil fireplace</p> <p>IF H1A = PROPANE THEN ASK Propane Forced Air Propane Boiler (Hot Water Radiators) Propane fireplace</p> <p>IF H1A = ELECTRICITY THEN ASK Electric Forced Air, Electric Baseboard, Heat pump such as a geothermal system</p> <p>IF H1A = WOOD THEN ASK Wood Forced Air, or Wood Stoves/Fireplace Outdoor wood furnace</p> <p>No heating system OR SOMETHING ELSE [SPECIFY]</p> <p>IF H1B = NO HEATING SYSTEM, SKIP TO H8, ELSE CONTINUE Other [SPECIFY]</p>	<p>H1A. What is the main energy source of heat for this premise? Is it...?</p> <p>Oil Propane Electricity – baseboard or furnace Electricity – geothermal/ground source heat pump Electricity – air source heat pump Wood No heating Other [PLEASE SPECIFY] _____</p>

	<p>IF H1A = "HEAT PUMP SUCH AS A GEOTHERMAL SYSTEM" THEN ASK NEW 1 NEW 1. What kind of heat pump do you have? Geothermal or ground source heat pump Air Source Heat Pump Other [SPECIFY]</p>	
<p>Current Secondary Energy Source for Space Heating</p>	<p>Not included</p>	<p>H1B. Do you have a secondary energy source for your furnace or home heating system? If yes: H1C. Which energy source do you use as your secondary energy source for your furnace or home heating system? Oil Propane Electricity – baseboard or furnace Electricity – geothermal/ground source heat pump Electricity – air source heat pump Wood Other [PLEASE SPECIFY]</p>
<p>Heat Pump Awareness & Interest in Learning More</p>	<p>IF H1A IS NOT "HEAT PUMP SUCH AS A GEOTHERMAL SYSTEM" THEN ASK NEW 2 New 2. How knowledgeable would you say that you are about heat pumps including air source heat pumps, geothermal or ground source heating and cooling systems for homes? Very knowledgeable Somewhat knowledgeable Not very knowledgeable Never heard of it IF NEW 2 = "NOT VERY KNOWLEDGEABLE" OR "NEVER HEARD OF IT" THEN: READ/DISPLAY: A heat pump is an electrically driven device that can provide heating by transferring thermal energy from the earth or air into your home. Many heat pumps can also operate in the opposite direction, cooling the home by removing the heat from the inside and sending it outdoors</p>	<p>Not included.</p>

	<p>or into the ground. Common types are air source heat pumps and ground source heat pumps (sometimes called geothermal systems). Many homes in moderate climates can rely on these systems to heat or cool their homes year-round; however, in colder climates a specialized “cold climate” heat pump or a supplementary heating source is usually needed.</p> <p>Because heat pumps use electricity to move thermal energy to heat and cool your home, they are more efficient than traditional heating and cooling systems which could result in lower annual operating costs compared to other energy sources. However, these systems can have a high upfront cost, and may require modification to ducting designed for a forced-air furnace or central air conditioning system to distribute hot and cold air in your home. Upgrades to your electrical panel may also be required to accommodate a heat pump. Government incentives are currently available to bring down the cost.</p> <p>IF H1A IS NOT “HEAT PUMP SUCH AS A GEOTHERMAL SYSTEM” THEN ASK New 3: How likely would you be to seek out more information about installing a heat pump heating and cooling system for your home?</p> <p>Extremely likely Very likely Likely Not very likely Not at all likely Don't Know</p>	
Likelihood of Connecting to Natural Gas	<p>W5, W5a, H5, H5a, H6, H7, H7a, H8, H9, H5-WWH, H5a-WWH, H6-WWH, H7, WWH, H7a-WWH, H8-WWH, H9-WWH</p> <p>(See Attachment 1 for question text)</p>	<p>NEW. Considering the benefits and costs, (including the System Expansion Surcharge and Federal Carbon Pricing Program), associated with switching to natural gas mentioned in the brochure from Enbridge Gas, how likely are you to connect to natural gas?</p>

		Considering this, how likely are you to connect to natural gas? Would you say...? Extremely likely Very likely Likely Not very likely Not at all likely
--	--	--

b) Survey content was changed for East Gwillimbury and other late-2023 surveys for the following reasons.

Improved respondent experience: The survey was shortened to provide a better respondent experience, taking less time to complete and containing less complicated and less detailed information which was challenging for respondents to consider in a survey format, especially for the telephone or door-to-door methodologies. Some of this information was moved to a brochure that was distributed in the community prior to the survey taking place. Some information was removed entirely to better focus the survey on the primary objective of gauging interest in connecting to natural gas.

Incorporation of a brochure into the survey process: Some wording changes were made to the introduction section of the survey to reflect the brochure and ensure it had been reviewed prior to starting the survey. This approach was taken to provide respondents more time to review the information and consider it before taking the survey.

Improved measurement of primary and secondary space heating sources: Questions about the incumbent fuel source used for space heating were adjusted to better accommodate respondents with two heating systems. Previous surveys only asked about the main or primary heating system.

Community Expansion Survey
Selwyn, Hidden Valley, Cherry Valley, Neustadt, Sandford

INTRODUCTION

Thank you for taking part in this survey! Forum Research on behalf of Enbridge Gas is conducting this survey to assist in determining whether natural gas will be expanded to your community. We are looking to hear from people 18 and over who are responsible for making energy decisions for their property. This survey should take approximately 6-7 minutes. Please be assured that we are not selling anything and the information you provide to us will be aggregated with others for reporting purposes. Please note that completing the survey does not guarantee that your property will be served by natural gas as part of this project. In addition, please know that completing the survey is not an application for natural gas service. This survey includes cost saving estimates for switching to natural gas, as well as cost estimates for converting or replacing water heating and space heating equipment. Actual costs may vary based on market factors and your specific needs and preferences. No specific savings or cost amount is guaranteed. Click on the arrow below to continue.

Yes, continue.

Refuse

If this is not your location → Thank and terminate

COMMUNITY

Please select the community and street you live in.

Cherry Valley

Sandy Hook Rd (County Rd 1)

Ridge Rd

County Road 1

County Rd 10

County Rd 11

Thompson Rd

County Rd 18

Fennell Crest

Factory Lane

Chourney Lane

Sandy Lane

Miller Road

CON 1

CON 2

Chourney Lane

Eames Road

Beckwith Street

Barratt's Lane

Martin Street

Mowbray Road

Curry Lane

Other (Please specify) _____

Hidden Valley

Hidden Valley Rd
Mount Pleasant Court
Skyline Dr
Slalom Dr
Woodland Dr
Lakeview Cres
Valley Rd
Chalet Cres
Turner Dr
Highway 60
Morgans Rd

Other (Please specify) _____

Neustadt

Grey Road 10 (Regional)
Grey Road 28
John Street
Barbara Street
Adam Street
Mill Street
Jacob Street
William Street
Forler Street
Stephana Street
Enoch Street
Queen Street
Concession Road 10 E
Concession Road 17
Concession Road 16
Concession Road 18
Gey Road 9
Normanby Bentinck Ext
David Winkler Pky

Other (Please specify) _____

Sandford

Concession Road 3
Alsop PL
Ball Rd
Concession Rd 5
Concession Rd 6
James PL
Lundy Dr

Moore St
Sandford Rd
Smith Dr
Taylor Dr
Bolton Dr
Centre RD
Davis Drive
Concession Rd 4
Other (Please specify) _____

8th Line (Selwyn Township)

8th Line
7th Line
9th line
Merlenor CRT
Buckhorn Rd
Centre Line
Holden Rd
Concession 8
Selwyne Rd
County Road 23
Other (Please specify) _____

SCR3. Do you own or rent this property?

Own

Rent (option to enter contact info for property owner) → Thank and terminate

Do not live in the area → Thank and terminate

SCR5. Which of the following best describes the building (or buildings) at this location?

Agriculture

Commercial

Farm

Industrial

Residential

Both Residence and a Business

SCR6. On average, how much is your annual heating cost for this premise including taxes?

SECTION H: Heating

H1A. What is the primary energy source of heat for this premise? Is it...?

[RANDOMIZE]

Oil

Propane

Electricity
Wood
Heat pump such as a geothermal system
No heating
Other [SPECIFY]

**H1B. What type of system provides the primary source of heat for this premise?
Is it...?**

IF H1A = OIL THEN ASK

Oil Forced Air
Oil Boiler (Hot Water Radiators)
Oil fireplace

IF H1A = PROPANE THEN ASK

Propane Forced Air
Propane Boiler (Hot Water Radiators)
Propane fireplace

IF H1A = ELECTRICITY THEN ASK

Electric Forced Air,
Electric Baseboard,
Heat pump such as a geothermal system

IF H1A = WOOD THEN ASK

Wood Forced Air, or
Wood Stoves/Fireplace
Outdoor wood furnace

No heating system

OR SOMETHING ELSE [SPECIFY]

IF H1B = NO HEATING SYSTEM, SKIP TO H8, ELSE CONTINUE

Other [SPECIFY]

**IF H1A = "HEAT PUMP SUCH AS A GEOTHERMAL SYSTEM" THEN ASK NEW 1
NEW 1. What kind of heat pump do you have?**

Geothermal or ground source heat pump
Air Source Heat Pump
Other [SPECIFY]

**IF H1A IS NOT "HEAT PUMP SUCH AS A GEOTHERMAL SYSTEM" THEN ASK
NEW 2**

**New 2. How knowledgeable would you say that you are about heat pumps
including air source heat pumps, geothermal or ground source heating and
cooling systems for homes?**

Very knowledgeable

Somewhat knowledgeable
Not very knowledgeable
Never heard of it

IF NEW 2 = “NOT VERY KNOWLEDGEABLE” OR “NEVER HEARD OF IT” THEN:

READ/DISPLAY: A heat pump is an electrically driven device that can provide heating by transferring thermal energy from the earth or air into your home. Many heat pumps can also operate in the opposite direction, cooling the home by removing the heat from the inside and sending it outdoors or into the ground. Common types are air source heat pumps and ground source heat pumps (sometimes called geothermal systems). Many homes in moderate climates can rely on these systems to heat or cool their homes year-round; however, in colder climates a specialized “cold climate” heat pump or a supplementary heating source is usually needed.

Because heat pumps use electricity to move thermal energy to heat and cool your home, they are more efficient than traditional heating and cooling systems which could result in lower annual operating costs compared to other energy sources. However, these systems can have a high upfront cost, and may require modification to ducting designed for a forced-air furnace or central air conditioning system to distribute hot and cold air in your home. Upgrades to your electrical panel may also be required to accommodate a heat pump. Government incentives are currently available to bring down the cost.

IF H1A IS NOT “HEAT PUMP SUCH AS A GEOTHERMAL SYSTEM” THEN ASK

New 3: How likely would you be to seek out more information about installing a heat pump heating and cooling system for your home?

Extremely likely
Very likely
Likely
Not very likely
Not at all likely
Don't Know

H2. How old is your heating system?

H3. How likely are you to replace your heating system in the next 2 years? Are you...?

Extremely likely
Very likely
Likely
Not very likely
Not at all likely

SECTION W: Water Heating

ASK ALL

Now, I would like to ask you a few questions about your water heater.

W1. What is the MAIN fuel source for heating your water?

Propane

Oil

Electricity

Wood

Geothermal/Ground source

Other: **[SPECIFY]**

W2. How old is your water heater?

5 years or less

6 to 10 years old

11 to 15 years old

16 to 25 years old

Over 25 years old

Don't know

W3. Is your water heater owned or rented?

Owned

Rented

Don't Know

[ASK W5 IF W3=OWNED]

W5. The purchase and installation of a typical natural gas water heater costs about \$1,700 including taxes depending on the complexity of the installation. However, with natural gas, you could save up to <ALL = \$250> compared to propane water heating costs every year, or <Selwyn, Hidden Valley, Neustadt, Sandford = \$50 / Cherry Valley = \$15> compared to electric water heating costs.

The federal carbon pricing program will result in increases to natural gas prices over time. The federal carbon charge is currently 9.79 cents per cubic meter, making up approximately 15% of the total natural gas bill for a typical home. The federal carbon charge will increase each year, reaching 18.11 cents per cubic meter in 2025 and 32.40 cents per cubic meter in 2030. This could diminish savings relative to an electric water heater. Federal carbon charges also apply to propane.

Considering this, how likely are you to convert your water heater to natural gas?

Would you say you are...?

Extremely likely

Very likely

Likely

Not very likely

Not at all likely

[ASK W5a IF W3=RENTED]

W5a. Natural Gas water heaters can also be rented. Typical monthly rental rates range from \$23 per month to \$30 per month including taxes. Depending on the specific style of your premises, the property owner may incur additional expenses for the conversion. However, with natural gas, you could save up to <ALL = \$250> compared to propane water heating costs every year, or <Selwyn, Hidden Valley, Neustadt, Sandford = \$50 / Cherry Valley = \$15> compared to electric water heating costs.

The federal carbon pricing program will result in increases to natural gas prices over time. The federal carbon charge is currently 9.79 cents per cubic meter, making up approximately 15% of the total natural gas bill for a typical home. The federal carbon charge will increase each year, reaching 18.11 cents per cubic meter in 2025 and 32.40 cents per cubic meter in 2030. This could diminish savings relative to an electric water heater. Federal carbon charges also apply to propane.

Considering this, how likely are you to convert your water heater to natural gas? Would you say you are...?

Extremely likely

Very likely

Likely

Not very likely

Not at all likely

SECTION H1: LIKELIHOOD TO CONNECT SPACE HEATING ONLY

[ASK H5 IF H1B = OIL FORCED AIR OR OIL BOILER AND W5 OR W5a = NOT VERY LIKELY OR NOT AT ALL LIKELY OR W3="DON'T KNOW"]

H5. Converting your heating system to natural gas requires some initial investment by the property owner. The cost of converting a residential heating system to a natural gas high efficiency furnace or boiler is in the range of \$4,500 to \$5,500 including taxes depending on the type of equipment you currently have.

In addition to the cost of converting your heating equipment, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home will save approximately <Selwyn, Hidden Valley, Sandford = \$2,100 / Neustadt = \$2,000 / Cherry Valley = \$1,800> per year by switching heating equipment to natural gas. Savings are likely greater for businesses. Considering this, how likely are you to convert your heating system to natural gas? Would you say...?

Extremely likely

Very likely

Likely

Not very likely
Not at all likely

[ASK H5a IF H1B = ELECTRIC FORCE AIR AND W5 OR W5a = NOT VERY LIKELY OR NOT AT ALL LIKELY OR W3="DON'T KNOW"]

H5a. Converting your heating system to natural gas requires some initial investment by the property owner. The cost of converting a residential heating system to a natural gas high efficiency furnace is in the range of \$4,500 to \$5,500 including taxes depending on the type of equipment you currently have.

In addition to the cost of converting your heating equipment, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home will save approximately <Selwyn, Hidden Valley, Sandford = \$150 / Neustadt = \$200 / Cherry Valley = \$45> per year by switching electric heating equipment to natural gas. Savings are likely greater for businesses.

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Extremely likely
Very likely
Likely
Not very likely
Not at all likely

[ASK H6 IF H1B = PROPANE FORCED AIR OR PROPANE BOILER AND W5 OR W5a = NOT VERY LIKELY OR NOT AT ALL LIKELY OR W3="DON'T KNOW"]

H6. Converting your heating system to natural gas requires some initial investment by the property owner. The cost of converting your existing heating system to natural gas is likely in the range of \$400 to \$1,000 including taxes depending on the type of equipment you currently have.

In addition to the cost of converting your heating equipment, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home will save approximately <Selwyn, Hidden Valley, Sandford = \$800 / Neustadt = \$800 / Cherry Valley = \$400> per year by switching heating equipment to natural gas. Savings are likely greater for businesses. Considering this, how likely are you to convert your heating system to natural gas? Would you say...?

Extremely likely
Very likely
Likely
Not very likely
Not at all likely

[ASK H7 IF H1B = ELECTRIC BASEBOARD AND W5 OR W5a = NOT VERY LIKELY OR NOT AT ALL LIKELY OR W3="DON'T KNOW"]

H7. Converting your heating system to natural gas requires some initial investment by the property owner. The cost of converting a residential heating system to a high efficiency natural gas furnace and adding ducting is likely to be about \$12,500 including taxes depending on the specific style and/or size of your premise. Another option would be to install a natural gas fireplace or space heater to heat the main living area, at an estimated cost of \$4,500-\$5,500.

In addition to the cost of converting your heating equipment, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home will save approximately <Selwyn, Hidden Valley, Sandford = \$150 / Neustadt = \$200 / Cherry Valley = \$45> per year by switching electric heating equipment to natural gas. Savings are likely greater for businesses.

The federal carbon pricing program will result in increases to natural gas prices over time. The federal carbon charge is currently 9.79 cents per cubic meter, making up approximately 15% of the total natural gas bill for a typical home. The federal carbon charge will increase each year, reaching 18.11 cents per cubic meter in 2025 and 32.40 cents per cubic meter in 2030. This could diminish savings relative to electricity. Considering this, how likely are you to convert your heating system to natural gas? Would you say...?

Extremely likely
Very likely
Likely
Not very likely
Not at all likely

[ASK H7a IF H1A = WOOD AND W5 OR W5a = NOT VERY LIKELY OR NOT AT ALL LIKELY OR W3="DON'T KNOW"]

H7a. Installing a high efficiency natural gas furnace is likely to cost about \$4,500-\$5,500 if you already have forced air ductwork and \$12,500 if you don't, including taxes. A natural gas fireplace or wall heater would also cost about \$4,500-\$5,500.

In addition to the cost of converting your heating equipment, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the

surcharge added, savings will likely be minimal from switching your wood-fired heating equipment to natural gas. However, you wouldn't need to split or store wood.

Considering this, how likely are you to convert your heating system to natural gas?

Would you say...?

Extremely likely

Very likely

Likely

Not very likely

Not at all likely

[ASK H8 IF H1B = NO HEATING SYSTEM, OIL FIREPLACE, PROPANE FIREPLACE, OR "SOMETHING ELSE AND W5 OR W5a = NOT VERY LIKELY OR NOT AT ALL LIKELY OR W3="DON'T KNOW"]

H8. Installing a high efficiency natural gas furnace or boiler is likely to cost about \$4,500-\$5,500 if you already have forced air ductwork or a boiler, and \$12,500 if you were to install a new forced air system requiring ductwork, including taxes.

Alternatively, a natural gas fireplace or wall heater would cost about \$4,500-\$5,500.

In addition to the cost of converting your heating equipment, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home could save <Selwyn, Hidden Valley, Sandford = 9% or more / Neustadt = 12% or more / Cherry Valley = 3% or more> by switching heating equipment to natural gas. Savings are likely greater for businesses. Considering this, how likely are you to convert your heating system to natural gas? Would you say...?

Extremely likely

Very likely

Likely

Not very likely

Not at all likely

[ASK H9 IF H1A or H1B = "HEAT PUMP SUCH AS A GEOTHERMAL SYSTEM"]

H9. Homeowners with a heat pump heating and cooling system could consider using natural gas as a supplemental heating source. The cost of a high efficiency natural gas furnace is in the range of \$4,500-\$5,500 including taxes. Alternatively, a natural gas fireplace or wall heater would cost about \$4,500-\$5,500.

In addition to the cost of supplementing your heating equipment, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, a typical home costs <Selwyn, Hidden Valley, Sandford, Cherry Valley = \$1,500 / Neustadt = \$1,350> per year to fully heat with natural gas. Costs would be less if using natural gas for supplemental heating only.

The federal carbon pricing program will result in increases to natural gas prices over time. The federal carbon charge is currently 9.79 cents per cubic meter, making up approximately 15% of the total natural gas bill for a typical home. The federal carbon charge will increase each year, reaching 18.11 cents per cubic meter in 2025 and 32.40 cents per cubic meter in 2030. Considering this, how likely are you to connect to natural gas? Would you say...?

- Extremely likely
- Very likely
- Likely
- Not very likely
- Not at all likely

SECTION H2: LIKELIHOOD TO CONNECT SPACE AND WATER HEATING

[ASK H5-WWH IF H1B = OIL FORCED AIR OR OIL BOILER AND W5 OR W5a = EXTREMELY LIKELY, VERY LIKELY OR LIKELY]

H5 - WWH. Converting your heating system to natural gas requires some initial investment by the property owner. The cost of converting a residential heating system to a natural gas high efficiency furnace or boiler is in the range of \$4,500 to \$5,500 including taxes depending on the type of equipment you currently have.

In addition to the cost of converting your space and water heating, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home will save approximately <Selwyn, Hidden Valley, Sandford = \$2,800 / Neustadt = \$2,650 / Cherry Valley = \$2,400> per year by switching space and water heating to natural gas. Savings are likely greater for businesses. Considering this, how likely are you to convert your space and water heating systems to natural gas? Would you say...?

- Extremely likely
- Very likely
- Likely
- Not very likely
- Not at all likely

[ASK H5a-WWH IF H1B = ELECTRIC FORCE AIR AND W5 OR W5a = EXTREMELY LIKELY, VERY LIKELY OR LIKELY]

H5a - WWH. Converting your heating system to natural gas requires some initial investment by the property owner. The cost of converting a residential heating system to a natural gas high efficiency furnace is in the range of \$4,500-\$5,500 including taxes depending on the type of equipment you currently have.

In addition to the cost of converting your space and water heating, an average home would be required to make a financial contribution toward the cost of constructing the

pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home will save <Selwyn, Hidden Valley, Sandford = \$200 / Neustadt = \$250 / Cherry Valley = \$60> per year by switching space and water heating to natural gas. Savings are likely greater for businesses.

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- Extremely likely
- Very likely
- Likely
- Not very likely
- Not at all likely

[ASK H6-WWH IF H1B = PROPANE FORCED AIR OR PROPANE BOILER AND W5 OR W5a = EXTREMELY LIKELY, VERY LIKELY OR LIKELY]

H6 - WWH. Converting your heating system to natural gas requires some initial investment by the property owner. The cost of converting your existing heating system to natural gas is likely in the range of \$400 to \$1,000 including taxes depending on the type of equipment you currently have.

In addition to the cost of converting your SPACE AND WATER heating, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home will save <ALL except Cherry Valley = \$1,050, Cherry Valley = \$550> per year by switching space and water heating to natural gas. Savings are likely greater for businesses. Considering this, how likely are you to convert your space and water heating systems to natural gas? Would you say...?

- Extremely likely
- Very likely
- Likely
- Not very likely
- Not at all likely

[ASK H7-WWH IF H1B = ELECTRIC BASEBOARD AND W5 OR W5a = EXTREMELY LIKELY, VERY LIKELY OR LIKELY]

H7 - WWH. Converting your heating system to natural gas requires some initial investment by the property owner. The cost of converting a residential heating system to a high efficiency natural gas furnace and adding ducting is likely to be about \$12,500 including taxes depending on the specific style and/or size of your premise. Another

option would be to install a natural gas fireplace or space heater to heat the main living area, at an estimated cost of \$4,500-\$5,500.

In addition to the cost of converting your space and water heating, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home will save <Selwyn, Hidden Valley, Sandford = \$200 / Neustadt = \$250 / Cherry Valley = \$60> per year by switching space and water heating to natural gas. Savings are likely greater for businesses.

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Extremely likely

Very likely

Likely

Not very likely

Not at all likely

[ASK H7a-WWH IF H1A = WOOD AND W5 OR W5a = EXTREMELY LIKELY, VERY LIKELY OR LIKELY]

H7a - WWH. Installing a high efficiency natural gas furnace is likely to cost about \$4,500-\$5,500 if you already have forced air ductwork and \$12,500 if it doesn't, including taxes. A natural gas fireplace or wall heater would also cost about \$4,500-\$5,500.

In addition to the cost of converting your space and water heating, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, savings will likely be minimal from switching your wood-fired equipment to natural gas. However, you wouldn't need to split or store wood. Considering this, how likely are you to convert your space and water heating systems to natural gas? Would you say...?

Extremely likely

Very likely

Likely

Not very likely

Not at all likely

[ASK H8-WWH IF H1B = NO HEATING SYSTEM, OIL FIREPLACE, PROPANE FIREPLACE, OR "SOMETHING ELSE AND W5 OR W5a = EXTREMELY LIKELY, VERY LIKELY OR LIKELY]

H8 - WWH. Installing a high efficiency natural gas furnace or boiler is likely to cost about \$4,500-\$5,500 if you already have forced air ductwork or a boiler, and \$12,500 if you were to install a new forced air system requiring ductwork, including taxes. Alternatively, a natural gas fireplace or wall heater would cost about \$4,500 - \$5,500.

In addition to the cost of converting your SPACE AND WATER heating, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, an average home could save <Selwyn, Hidden Valley, Sandford = 9% or more / Neustadt = 12% or more / Cherry Valley = 3% or more> per year by switching space and water heating to natural gas. Savings are likely greater for businesses. Considering this, how likely are you to convert your space and water heating systems to natural gas? Would you say...?

Extremely likely

Very likely

Likely

Not very likely

Not at all likely

[ASK H9 - WWH IF H1A or H1B = "HEAT PUMP SUCH AS A GEOTHERMAL SYSTEM"]

H9 - WWH. Homeowners with a heat pump heating and cooling system could consider using natural gas as a supplemental heating source. The cost of a high efficiency natural gas furnace is in the range of \$4,500-\$5,500 including taxes. Alternatively, a natural gas fireplace or wall heater would cost about \$4,500-\$5,500.

In addition to the cost of supplementing your heating equipment, an average home would be required to make a financial contribution toward the cost of constructing the pipeline, which will be split into monthly payments based on how much gas you use. With the surcharge added, a typical home costs <Selwyn, Hidden Valley, Sandford, Cherry Valley = \$2,000 / Neustadt = \$1,800> per year for water heating and to fully heat with natural gas. Cost would be less if using natural gas for supplemental heating only.

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Considering this, how likely are you to connect to natural gas? Would you say...?

Extremely likely

Very likely

Likely
Not very likely
Not at all likely

[ASK H9A IF H5 / H5a / H6 / H7 / H7A / H8 / H5-WWH / H5a-WWH / H6-WWH / H7-WWH/ H7A-WWH / H8-WWH= NOT VERY LIKELY OR NOT AT ALL LIKELY]

H9a. You indicated that you are unlikely to convert your heating system to natural gas.

Can you explain why?

Don't like natural gas
Not interested/ have no plans to change
Not interested at this time/ maybe in the future
Not worth it
Plan on building a new home (or facility) / moving
Too expensive
Other: [SPECIFY]

SECTION E: EXPANSION TIMELINE

[ASK E1 AND E2 IF EXTREMELY LIKELY, VERY LIKELY, OR LIKELY FOR ANY OF H5/H5a/H6/H7/H7a/H8/ H5-WWH/H5a-WWH/H6-WWH/H7-WWH/H7a-WWH/H8-WWH]

E1. You indicated that you are likely to convert to natural gas. Assuming gas service is available Prior to 2026, when would you likely convert?

Within the first 12 months
Within 1 to 2 years
Within 2 to 3 years
After 3 years

E2. I am going to read you a list of appliances that could be powered by natural gas. For each appliance, please tell me if you would be extremely interested, very interested, interested, not very interested or not at all interested in natural gas for the appliance.

[RANDOMIZE]

Fireplace
Oven, range or stove
Clothes dryer
BBQ
Other [SPECIFY]

Extremely interested
Very interested
Interested
Not very interested
Not at all interested

ASK QUESTIONS IN SECTION D IF SCR5 = RESIDENCE OR "RESIDENCE AND BUSINESS"

SECTION D: DEMOGRAPHICS

I just have a few additional questions for you that will help us group your answers with others who have also participated in the research. As a reminder, your answers will be kept completely confidential and they will not be tied back to you.

D1. Which of the following best describes the style of your house? Is it a ...?

A bungalow or one-story ranch

A raised ranch

A split level

A two story

A three-story house

Some other style

D2. In order to have some idea as to the approximate size of your home in square feet (not including any unfinished basement space) can you tell me how many square feet your home is?

D3. In what year was your house built? Your best estimate is fine.

D3a. Which statement best describes the occupancy of this dwelling?

Occupied all-year round

Occupied mostly in the summer months

Occupied mostly in the winter months

Occupied occasionally year round

Don't know

[SKIP TO D4 IF D3A = OCCUPIED ALL YEAR ROUND, ELSE CONTINUE]

D3b. For approximately how many months did you use this residence during 2021?

D4. How many adults 18 years or over do you have living in your household, including yourself?

D5. And how many children 17 years or younger, if any, do you have living in your household?

D6. In what year were you born?

[ASK D6a IF REFUSE/DON'T KNOW AT D6, ELSE SKIP TO D7]

D6a. Can you please tell me into which of the following age groups you fall? Are you...?

18 to 24

25 to 34

35 to 44
45 to 54
55 to 64
65 or over
Refuse

D7. And lastly, which of the following best describes your total household income before taxes?

Under \$20,000
\$20,000 to less than \$40,000
\$40,000 to less than \$60,000
\$60,000 to less than \$80,000
\$80,000 to less than \$100,000
\$100,000 to less than \$120,000
\$120,000 to less than \$140,000
\$140,000 or more
Refuse

ASK QUESTIONS IN SECTION E IF SCR5 = COMMERCIAL BUSINESS, INDUSTRIAL BUSINESS, OR FARM/AGRIBUSINESS

SECTION E: FIRMOGRAPHICS

There are just a few additional questions for you that will help us group your answers with others who have also participated in the research. As a reminder, your answers will be kept completely confidential and they will not be tied back to you.

E2. What is the approximate square footage of the indoor floor space of the main building including basement and storage, but not including parking or loading areas? Please consider only the area that is affected by a heating system.

E3. What is the age of the main building at this location (of the first/second/third building)?

1 YEAR OR LESS,
2 TO 5 YEARS,
6 TO 10 YEARS,
11 TO 20 YEARS,
21 TO 30 YEARS,
31 TO 40 YEARS,
MORE THAN 40 YEARS OLD,
DON'T KNOW
REFUSE

DB3. How many floors does the building have?

E1. How many buildings (are at this location?)

One

Two

Three

Other (Specify) _____

Part of a building

Don't know

Refuse

Thank you for your feedback. We appreciate your willingness to participate in this survey.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1, Attachment 4 (Forum Research Report)

Preamble:

These questions are for Forum Research.

Question(s):

- a) Please provide all excerpts from all materials provided to residents that provide details on the comparative cost-effectiveness of heating with electric air source heat pumps versus gas.
- b) Please individually indicate whether respondents were informed of the following facts. If yes, please provide the precise text used in the materials or survey script:

Information Communicated to Customers		
Information	Whether communicated to the city (Y/N)	If no, why not; if yes, where & when
(i) That the federal government is offering rebates for customers to switch from oil to high-efficiency electric heat pumps if they earn a median income or lower (e.g., \$122,000 after-tax income for a family of 4 in Ontario) through the Oil to Heat Pump Affordability Program. ¹		
(ii) That the federal government is now providing up to \$40,000 in interest free loans, which can be put towards conversions to electric heat pumps, and not gas equipment, through the Greener Homes Loan. ²		

¹ EB-2022-0249, Exhibit I.ED.20 & Exhibit I.ED.5.

² EB-2022-0249, Exhibit I.ED.20 & Exhibit I.ED.5.

(iii)	That heat pumps could save a customer approximately \$1,200 in annual heating costs versus a gas furnace for a house with a moderate heat load (or whatever Enbridge's estimated savings are). ³		
(iv)	That Enbridge may charge customers for a connection depending on the distance of the building from the road		
(v)	That heat pumps result in lower annual energy costs compared to traditional gas equipment for home heating		
(vi)	That heat pumps significantly reduce summer cooling costs.		
(vii)	That natural gas is a potent greenhouse gas and its combustion generates approximately 1/3 rd of Ontario's greenhouse gas emissions. ⁴		
(viii)	That heat pumps result in far less greenhouse gas emissions than gas furnaces. ⁵		

Response:

The following responses were provided by Enbridge Gas:

- a) No information was provided to residents with details on the comparative cost-effectiveness of heating with natural gas versus electric air source heat pumps specifically.
- b) The “facts/statements” provided by ED within the interrogatory are over-simplifications, are inaccurate, and/or omit other important considerations and therefore could be misleading. For example, ED identifies annual operating costs of electric heat pumps and the rebates available to offset upfront capital costs of electric heat pumps but ignores information regarding upfront capital costs of electric heat pumps. As with any capital investment, upfront capital costs are an important consideration, not just annual operating costs. Enbridge Gas does not necessarily accept the statements made by ED as complete/accurate representations of the

³ EB-2022-0249, Exhibit I.ED.16, Attachment 7, Ottawa, 4 Ton Heating Load, “Cost savings” row, averaged; EB-2022-0249, Exhibit I.ED.5.

⁴ EB-2022-0249, Exhibit I.ED.5.

⁵ *Ibid.*

information. Enbridge Gas is not responding to the validity or accuracy of ED's statements and is rather providing responses to the direct questions posed by ED.

Table 1

Information Communicated to Customers in the Forum Research Survey

Information	Whether communicated to the city (Y/N)	If no, why not; if yes, where & when
(i) – (ii)	N	Consumer interest in natural gas is influenced by various financial and non-financial considerations which are unique to each consumer. While Enbridge Gas does provide some information to remind respondents of possible considerations, the objective of the survey is not to promote specific energy solutions by providing selective/limited information. Rather, the objective of the survey is to gauge the actual energy interests of consumers, which incorporates all considerations that matter to the respondent.
(iii)	N	The information within the interrogatory ignores information regarding upfront capital costs of electric heat pumps and therefore could be misleading. As with any capital investment, upfront capital costs are an important consideration, not just annual operating costs.
(iv)	N	Extra length charges do not always apply and, if applicable for particular customers, they can vary significantly by situation and are therefore difficult to communicate in the survey format.
(v) – (vii)	N	Consumer interest in natural gas is influenced by various financial and non-financial considerations which are unique to each consumer. While Enbridge Gas does provide some information to remind respondents of possible considerations, the objective of the survey is not to promote specific energy solutions by providing selective/limited information. Rather, the objective of the survey is to gauge the actual energy interests of consumers, which incorporates all considerations that matter to the respondent.
(viii)	N	The information within the interrogatory is incomplete and could be misleading because the emissions from heat pumps and natural gas furnaces depend on the carbon intensity of the energy source used. A furnace using renewable natural gas could have lower emissions than a heat pump powered by electricity, for example.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1

Question(s):

Please complete the following table showing the typical or average costs for a home to convert to natural gas space heating from different existing heating systems, including all costs, such as ductwork required for conversions from electric baseboards. Please include both Enbridge's best estimates and the figures provided to customers in the Forum surveys.

Cost of Converting to Natural Gas Space Heating			
Existing Equipment	Enbridge best estimate	Figure used in Forum survey	Source for cost estimate underlying the Forum survey
Electric baseboards (no ductwork)			
Electric forced-air furnace			
Electric heat pump			
Oil furnace			
Propane furnace			

Response:

Enbridge Gas does not have the requested information with respect to actual homes in the Project area. Enbridge Gas cautions against drawing conclusions regarding actual homes in the Project area using general or theoretical estimates/averages, as conversion costs for actual homes can vary. General or theoretical estimates/averages should be used for illustrative purposes only.

Regarding general illustrative estimates:

- Enbridge Gas has not established "best estimates" delineated in the manner sought by ED (i.e., by specific existing non-natural gas configuration to natural

gas). Please see Table 1 in response at Exhibit I.ED-28 part a), for an estimated range of potential all-in conversion costs to natural gas configurations, encompassing a variety of existing non-natural gas configurations.

- Regarding the Forum survey, no information about the cost to convert to natural gas space heating from different existing heating systems was provided. Enbridge Gas simplified its approach to community expansion surveys in 2023. More information about the changes to the surveys and why they were made is provided at Exhibit I.ED-8.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1

Question(s):

Please reproduce the customer attachment forecast broken down by the current customer primary heating system/fuel. Please make and state assumption as necessary (e.g., Enbridge may estimate the fuel type of connecting customers based on the proportions of customers with that fuel type indicating an interest in converting to gas in the surveys). Please provide the underlying calculations. We are most interested in the overall totals after 10 years, but please also provide the annual breakdown if possible.

Response:

Enbridge Gas does not forecast attachments by existing fuel type and therefore cannot provide the requested information. Likelihood to connect to natural gas, broken out by incumbent primary heating fuel source is provided in the Forum Research report found at Exhibit B, Tab 1, Schedule 1, Attachment 4, Table 2.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E

Question(s):

- a) Please provide a copy of the most recent eight quarterly reports for schedule 2 community expansion projects that Enbridge is required to prepare and submit pursuant to s. 10.1(1) or O. Reg. 24/19.
- b) If there are any discrepancies between the information in the quarterly reports pertaining to the East Gwillimbury project and the information in this application, please detail those in a table with a reconciliation of the differences.

Response:

- a) Please refer to Attachment 1 to this response for a copy of the most recent eight quarterly reports for schedule 2 community expansion projects.
- b) As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the forecasted customer attachments for the Project have been updated from Enbridge Gas's pre-filed evidence at Exhibit B, Tab 1, Schedule 1, Table 2. The updated forecast was reduced to 263 customers from the 369 customers included in the last quarterly report filed in Q2 of 2024 (Attachment 1, Tab 8. East Gwillimbury).

Natural Gas Expansion Program - Quarterly Report for NGEP Phase 2 Projects
Submitted to Ministry of Energy pursuant to O. Reg. 451/21 under the Ontario Energy Board Act, 1998
Last Modified: September 24, 2024

1. Kawartha Lakes		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Complete	Complete	Complete	Complete	Complete	Complete	Complete
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Requested	Requested	Requested	Requested	Complete	Complete
	Other	Required	Requested	Requested	Requested	Requested	Complete	Complete
	Municipal Consent	Required	Requested	Requested	Requested	Requested	Requested	Requested
	Special Road Permit	Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Scheduled for Q1 2024	Scheduled for Q1 2024	Scheduled for Q1 2024	Scheduled for Q1 2024	Scheduled for Q2 2024***	Scheduled for Q3 2024***	Construction In Progress
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Q1 2024	Q3 2024	Q3 2024	Q3 2024	Q4 2024***	Q4 2024***	Q4 2025****
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	3589	3517*	3517	3517	3517	3517	3517
	Commercial Forecast	185	170*	170	170	170	170	170
	Institutional Forecast	1	1*	1	1	1	1	1
	Agricultural Forecast	1	0*	0	0	0	0	0
	Industrial Forecast	2	1*	1	1	1	1	1
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.**		0	0	0	0	0	0	0

*the revised count of 3689 is due to the 2022 market research results and associated project scope refinement
 **amount received from IESO
 ***Anticipated construction start and anticipated in service date shifted due to extended LTC timelines - application was placed in abeyance Oct 2023 and was taken out of abeyance February 2024
 ****The anticipated in-service date (ISD) has been delayed due to a delay in the project's commencement. This date reflects the ISD for LTC Assets (Phase 1 & 2 Supply Lateral)

Natural Gas Expansion Program - Quarterly Report for NGE Phase 2 Projects
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2. Amherstburg		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Q3 2023	Q4 2023	Q4 2023	Q1 2024	Q2 2024	Complete	Complete
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Required	Required	Required	Required	Required	Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Scheduled for Q2 2024	Scheduled for Q3 2024	Scheduled for Q4 2024	Scheduled for Q4 2024	Scheduled for Q1 2025	Scheduled for Q2 2025**	Scheduled for Q3 2025***
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Q3 2024	Q4 2024	Q4 2024	Q1 2025	Q2 2025	Q2 2025	Q3 2025
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	92	92	92	127	347	347	347
	Commercial Forecast	0	0	0	0	0	0	0
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	0	0	0	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

**This adjustment has been made to accommodate bald eagle nesting from February to May and to account for OEB approval timelines.

***Adjusted. Previous entry of Q2 2025 was a typo.

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Last Modified: September 24, 2024

4. Burk's Falls		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	Complete	Complete	Complete	Complete	Complete	Complete
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Complete	Complete	Complete	Complete	Complete	Complete	Complete
	Special Road Permit (MTO)	Complete	Complete	Complete	Complete	Complete	Complete	Complete
4. The schedule for construction of the project and the progress made in the preceding quarter.		Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Complete	Complete	Complete	Complete	Complete	Complete	Q4 2022
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	39	39	39	39	39	39	39
	Commercial Forecast	2	2	2	2	2	2	2
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	0	0	0	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	10	10	10	10	10	9	9
	Commercial Actual	1	1	1	1	1	2	2
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

Natural Gas Expansion Program - Quarterly Report for NGEF Phase 2 Projects
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Last Modified: September 24, 2024

5. Caledon		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	None	None	None	None	None	None
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Q4 2025
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	94	94	94	94	94	94	94
	Commercial Forecast	2	2	2	2	2	2	2
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	4	4	4	4	4	4	4
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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6. Burlington		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Q4 2024	Q4 2024	Q4 2024	Q4 2024	Q4 2025	Q4 2025	Q4 2025
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Required	Required	Required	Required	Required	Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Schedule Under Development	Schedule Under Development	Schedule Under Development	Schedule Under Development	Schedule Under Development	Schedule Under Development	Schedule Under Development
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	92	92	92	92	92	92	92
	Commercial Forecast	1	1	1	1	1	1	1
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	0	0	0	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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7. East Hawkesbury Township		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	None	None	None	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Under Development	Q4 2024	Q4 2024	Q4 2024	Q4 2024
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Scheduled for Q2 2026
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Q4 2026
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	299	299	299	299	299	299	299
	Commercial Forecast	15	15	15	15	15	15	15
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	1	1	1	1	1	1	1
	Industrial Forecast	3	3	3	3	3	3	3
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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8. East Gwillimbury		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Q4 2023	Q4 2023	Complete	Complete	Complete	Complete
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Required	Required	Required	Required	Required	Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Scheduled for Q3 2024	Scheduled for Q3 2024	Scheduled for Q1 2025**	Scheduled for Q1 2025
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Q2 2025	Q2 2025	Q2 2025	Q2 2025
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	391	391	391	344	344	344	238
	Commercial Forecast	19	19	19	15	15	15	15
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	3	3	3	6	6	6	6
	Industrial Forecast	9	9	9	4	4	4	4
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

**Construction start date moved from Q3 2024 to Q1 2025 as application is in abeyance until August 30, 2024.

Note - Evidence refiled Aug 30 2024

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9. Bonnechere Valley		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Q2 2023	Q3 2023	Complete	Complete	Complete	Complete	Complete
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Requested	Requested
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Required	Required	Required	Required	Required	Requested	Complete
	Special Road Permit	Required	Required	Required	Required	Required	Requested	Requested
4. The schedule for construction of the project and the progress made in the preceding quarter.		Scheduled for Q2 2024	Scheduled for Q2 2024	Scheduled for Q3 2024	Scheduled for Q3 2024	Scheduled for Q3 2024	Scheduled for Q3 2024	Scheduled for Q3 2024
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Q2 2026	Q2 2026	Q3 2026	Q3 2026	Q3 2026	Q3 2026	Q3 2026
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	584*	584*	656*	656*	656*	656*	656*
	Commercial Forecast	70*	70*	63*	63*	63*	63*	63*
	Institutional Forecast	0*	0*	2*	2*	2*	2*	2*
	Agricultural Forecast	2*	2*	2*	2*	2*	2*	2*
	Industrial Forecast	10	10	0*	0*	0*	0*	0*
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.**		0	0	0	0	0	0	0

*the revised count of 723 customers is based on forecast refinement

**amount received from IESO

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10. South Glengarry Township		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	None	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Under Development	Q4 2024	Q4 2024	Q4 2024	Q4 2024
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Scheduled for Q3 2025
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	71	71	71	71	71	71	71
	Commercial Forecast	4	4	4	4	4	4	4
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	2	2	2	2	2	2	2
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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11. Grimsby-Lincoln		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Not Required	Not Required	Not Required	Not Required	Required	Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	0	0	0	0	0	0	0
	Commercial Forecast	2	2	2	0	0	0	0
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	7	7	7	4	4	4	4
	Industrial Forecast	0	0	0	1	1	1	1
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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12. Haldimand		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	Complete	Complete	Complete	Complete	Complete	Complete
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Complete	Complete	Complete	Complete	Complete	Complete	Complete
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Complete	Complete	Complete	Complete	Complete	Complete	Complete
	Other	Complete	Complete	Complete	Complete	Complete	Complete	Complete
	Municipal Consent	Complete	Complete	Complete	Complete	Complete	Complete	Complete
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Complete	Complete	Complete	Complete	Complete	Complete	Q1 2023
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	112	112	112	112	112	112	112
	Commercial Forecast	0	0	0	0	0	0	0
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	0	0	0	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	6	64	64	64	64	66	67
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		Funding received in Q4 2022	Funding received in Q4 2022	Funding received in Q4 2022	Funding received in Q4 2022	Funding received in Q4 2022	Funding received in Q4 2022	Funding received in Q4 2022

*amount received from IESO

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13. City of Hamilton		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Schedule Under Development	Schedule Under Development	Construction in progress	Construction in progress	Construction in progress	Construction in progress	Construction in progress
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Q4 2023 & Q4 2024	Q4 2023 & Q4 2024	Q4 2023 & Q4 2024	Q4 2023 & Q4 2024	Q4 2023 & Q4 2025**	Q4 2023 & Q4 2025**
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	0	0	0	0	0	0	0
	Commercial Forecast	12	12	12	12	12	12	12
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	0	0	0	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	1	1	1
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

**In-service date has shifted from Q4 2024 to Q4 2025 (for the Caledonia Transmission Station Rebuild Project in particular). The shift in this date was a directive from Asset Management to assist with their capital reductions for 2024 due to the OEB's Phase 1 Rates Rebasement Decision.

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14. Huntsville		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	Complete
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Complete	Complete	Complete	Complete	Complete	Complete	Complete
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Complete	Complete	Complete	Complete	Complete	Complete
	Other	Required	Required	Required	Required	Required	Required	Required
	Municipal Consent	Required	Requested	Requested	Complete	Complete	Complete	Complete
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Scheduled for Q3 2023	Scheduled for Q3 2023	Scheduled for Q3 2023	Construction Complete	Construction Complete	Construction Complete	Construction Complete
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Q4 2023	Q4 2023	Q4 2023	Q4 2023	Q4 2023	Q4 2023	Q4 2023
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	110	130	130	130	130	130	130
	Commercial Forecast	0	0	0	0	0	0	0
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	0	0	0	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	67	70
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	\$ 1,899,859.00	\$ -	\$ -	\$ -

*amount received from IESO

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15. Kenora District		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		Complete	Complete	Complete	Complete	Complete	Complete	Complete
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Complete	Complete	Complete	Complete	Complete	Complete	Complete
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Complete	Complete	Complete	Complete	Complete	Complete	Complete
	Special Road Permit (MTO)	Complete	Complete	Complete	Complete	Complete	Complete	Complete
4. The schedule for construction of the project and the progress made in the preceding quarter.		Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Complete	Complete	Complete	Complete	Complete	Complete	Q3 2022
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	33	33	33	33	33	33	33
	Commercial Forecast	2	2	2	2	2	2	2
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	1	1	1	1	1	1	1
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	32	32	32	32	32	31	31
	Commercial Actual	3	3	3	3	3	3	3
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	1	1	1	1	1	1	1
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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16. Drummond		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Q2 2025
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	282	282	282	282	282	282	282
	Commercial Forecast	40	40	40	40	40	40	40
	Institutional Forecast	2	2	2	2	2	2	2
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	10	10	10	10	10	10	10
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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17. Merrickville-Wolford		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Q1 2024	Q2 2024	Q2 2024	Q4 2024**	Q1 2025***
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Required	Required	Required	Required	Required	Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	58	58	58	58	77	77	77
	Commercial Forecast	6	6	6	6	10	10	10
	Institutional Forecast	2	2	2	2	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	3	3	3	3	1	1	1
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

**LTC filing date shifted to accommodate scope change leading to Notice of Project Change and extra lead time.

***The need for an additional Virtual Information Session to present the preferred route has affected the targeted LTC filing date.

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18. Mohawks of the Bay of Quinte		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	Complete
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Complete	Complete	Complete	Complete	Complete	Complete	Complete
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Requested	Requested	Complete	Complete	Complete	Complete
	Other	Required	Requested	Complete	Complete	Complete	Complete	Complete
	Municipal Consent	Required	Requested	Complete	Complete	Complete	Complete	Complete
	Special Road Permit	Required	Required	Complete	Complete	Complete	Complete	Complete
4. The schedule for construction of the project and the progress made in the preceding quarter.		Scheduled for Q3 2023	Scheduled for Q3 2023	Scheduled for Q4 2023	Scheduled for Q4 2023	Construction In Progress	Construction Complete	Construction Complete
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Q2 2024	Q2 2024	Q2 2024	Q2 2024
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	166	166	166	166	166	166	166
	Commercial Forecast	11	11	11	11	11	11	11
	Institutional Forecast	1	1	1	1	1	1	1
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	1	1	1	1	1	1	1
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	1	69	74
	Commercial Actual	0	0	0	0	0	8	8
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	\$8,080,907	\$0	\$0	\$0

*amount received from IESO

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19. West Grey		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Q3 2023	Q3 2023	Q3 2023	Complete	Complete	Complete	Complete
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Complete
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Required	Required	Required	Required	Required	Complete	Complete
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Complete
4. The schedule for construction of the project and the progress made in the preceding quarter.		Scheduled for Q2 2024	Scheduled for Q2 2025	Scheduled for Q3 2024	Scheduled for Q2 2024	Scheduled for Q2 2024	Scheduled for Q3 2024**	Construction In Progress
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Q3 2024	Q4 2025	Q1 2025	Q1 2025	Q1 2025	Q1 2025	Q4 2024***
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	182	182	201	201	201	201	201
	Commercial Forecast	34	34	26	21	21	21	21
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	1	1	0	5	5	5	5
	Industrial Forecast	2	2	3	3	3	3	3
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

**Construction schedule has shifted from Q2 2024 to Q3 2024 due to archy approval delays.

***Project is ahead of schedule.

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20. Perth East		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	Complete	Complete	Complete	Complete	Complete	Complete
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Complete	Complete	Complete	Complete	Complete	Complete	Complete
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Complete	Complete	Complete	Complete	Complete	Complete	Complete
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Complete	Complete	Complete	Complete	Complete	Complete	Q2 2022
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	37	37	37	37	37	37	37
	Commercial Forecast	3	3	3	3	3	3	3
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	0	0	0	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	37	38	39	39	39	40	40
	Commercial Actual	3	4	4	4	4	6	6
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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21. Prince Edward County		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Q2 2023	Q3 2023	Q1 2024	Q1 2024	Q1 2024	Q3 2024**	Q3 2024**
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Required	Required	Required	Required	Required	Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Scheduled for Q1 2024	Scheduled for Q1 2025	Scheduled for Q2 2025	Scheduled for Q2 2025	Scheduled for Q2 2025	Scheduled for Q2 2025	Scheduled for Q2 2025
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Q3 2024	Q3 2024	Under Development	Under Development	Under Development	Under Development	Under Development
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	180	187	187	118	103***	98***	98***
	Commercial Forecast	15	15	15	14	10***	10	10
	Institutional Forecast	1	1	1	0	1***	1	1
	Agricultural Forecast	0	0	0	0	0	1***	1***
	Industrial Forecast	2	1	1	1	0***	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

**shift in timeline due to scope refinements

***the revised count is based on scope refinement

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22. Red Rock First Nation		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Required	Required	Required	Required	Required	Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	68	68	68	68	68	68	68
	Commercial Forecast	9	9	9	9	9	9	9
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	0	0	0	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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23. Uxbrdge Township		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Q2 2023	Q3 2023	Q3 2023	Q3 2023	Q3 2023	Q3 2023	Q3 2023
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Requested	Requested	Complete	Complete
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Required	Required	Required	Requested	Requested	Complete	Complete
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Scheduled for Q2 2024	Scheduled for Q2 2024	Scheduled for Q3 2024	Scheduled for Q3 2024	Scheduled for Q3 2024	Scheduled for Q3 2024	Construction In Progress
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Q1 2025	Q1 2025	Q1 2025	Q1 2025	Q1 2025	Q1 2025	Q4 2024
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	174	174	174	174	174	174	174
	Commercial Forecast	7	7	7	7	7	7	7
	Institutional Forecast	1	1	1	1	1	1	1
	Agricultural Forecast	1	1	1	1	1	1	1
	Industrial Forecast	0	0	0	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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24. Selwyn Township		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		In Progress	In Progress	In Progress	In Progress	Complete	Complete	Complete
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Complete	Complete	Complete	Complete	Complete	Complete	Complete
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Complete	Complete	Complete	Complete	Complete	Complete
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Required	Requested	Complete	Complete	Complete	Complete	Complete
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Scheduled for Q3 2023	Scheduled for Q3 2023	Scheduled for Q4 2023	Construction Complete	Construction Complete	Construction Complete	Construction Complete
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Q1 2024	Q1 2024	Q1 2024	Q4 2023	Q4 2023	Q4 2023	Q4 2023
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	66	66	66	66	66	66	66
	Commercial Forecast	14	14	14	14	14	14	14
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	1	1	1	1	1	1	1
	Industrial Forecast	6	6	6	6	6	6	6
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	36	39	41
	Commercial Actual	0	0	0	0	5	7	7
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	2	2
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	\$ 1,674,964.00	Funding received in Q4 2023	Funding received in Q4 2023	Funding received in Q4 2023

*amount received from IESO

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25. Severn		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Q4 2025
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Required	Required	Required	Required	Required	Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Scheduled for Q1 2027
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Q3 2028
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	678	678	678	678	678	678	678
	Commercial Forecast	38	38	38	38	38	38	38
	Institutional Forecast	1	1	1	1	1	1	1
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	6	6	6	6	6	6	6
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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26. St. Charles		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	None	None	None	None	None	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Under Development	Q3 2024	Q4 2024	Q1 2025**	Q1 2025**
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Scheduled for Q2 2026
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Under Development	Under Development	Under Development	Under Development
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	143	143	143	143	203	235***	235***
	Commercial Forecast	17	17	17	17	15	14***	14***
	Institutional Forecast	1	1	1	1	1	1	1
	Agricultural Forecast	0	0	0	0	2	2	2
	Industrial Forecast	1	1	1	1	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO
 **shift in LTC filing from Q4 2024 to Q1 2025 due to updated environmental timeline. A second open house was added, which has delayed the original LTC filing target date.
 ***Customer count updated to reflect the preliminary preferred route.

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27. Ottawa		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		Complete	Complete	Complete	Complete	Complete	Complete	Complete
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Other	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
	Municipal Consent	Complete	Complete	Complete	Complete	Complete	Complete	Complete
	Special Road Permit	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete	Construction Complete
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Complete	Complete	Complete	Complete	Complete	Complete	Complete
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	10	10	10	10	10	10	10
	Commercial Forecast	0	0	0	0	0	0	0
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	0	0	0	0	0	0	0
	Industrial Forecast	1	1	1	1	1	1	1
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	11	11	11	11	11	11	11
	Commercial Actual	0	0	0	0	0	2	2
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	1	1	1	1	1	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

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28. Tweed		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Q2 2024	Q3 2024
1. The status of any community consultations undertaken by the gas distributor in respect of the project.		None	None	None	None	None	In Progress	In Progress
2. The expected timeline for the filing of an application for leave to construct a hydrocarbon line under section 90 of the Act, if such an application is required.		Under Development	Under Development	Under Development	Q4 2024	Q4 2024	Q4 2024	Q4 2024
3. Progress updates on every necessary approval and permit for the project other than the leave to construct referred to above.	Environmental	Required	Required	Required	Required	Required	Required	Required
	Other	Not Required	Not Required	Not Required	Required	Required	Required	Required
	Municipal Consent	Required	Required	Required	Required	Required	Required	Required
	Special Road Permit - MTO	Required	Required	Required	Required	Required	Required	Required
4. The schedule for construction of the project and the progress made in the preceding quarter.		Under Development	Under Development	Under Development	Scheduled for Q2 2025	Scheduled for Q2 2025	Scheduled for Q4 2025**	Scheduled for Q4 2025**
5. Confirmation of the date on which the project is anticipated to come into service or the date on which the project came into service, as applicable.		Under Development	Under Development	Under Development	Q4 2025	Q4 2025	Q1 2026	Q1 2026
6a. The number of consumers in each of the following classes who are anticipated to be connected to the gas distributor's natural gas distribution system as a result of the project. Forecasted customer connections (10-year forecast).	Residential Forecast	54	54	54	86	86	86	86
	Commercial Forecast	4	4	4	6	6	6	6
	Institutional Forecast	0	0	0	0	0	0	0
	Agricultural Forecast	2	2	2	3	3	3	3
	Industrial Forecast	2	2	2	0	0	0	0
6b. The number of consumers in each of the following classes who have been connected. The number of services installed will be provided each quarter (totals are cumulative).	Residential Actual	0	0	0	0	0	0	0
	Commercial Actual	0	0	0	0	0	0	0
	Institutional Actual	0	0	0	0	0	0	0
	Agricultural Actual	0	0	0	0	0	0	0
	Industrial Actual	0	0	0	0	0	0	0
7. The amounts in any variance accounts established by the gas distributor under subsection 4 (2) in respect of the project.*		0	0	0	0	0	0	0

*amount received from IESO

**Construction schedule has moved from Q2 to Q4 to reflect the updated OEB approval timelines. This is subject to change again under the new process. Construction in-service date has shifted due to the later start date (Q4 2025 to Q1 2026).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Page 1

Question(s):

- a) Please provide a table with a full reconciliation as between the estimated project costs in Table 1 and the amount estimated in the Company's original project proposal to the Government of Ontario (2019/2020) for funding under Phase 2 of the NGEF (EB-2019-0255).
- b) Please provide the complete copy of the above-referenced project proposal.
- c) Please provide the 40-year DCF table underling the project proposal to the Government of Ontario (2019/2020) for funding under Phase 2 of the NGEF (EB-2019-0255).
- d) Please provide a full breakdown and explanation of the differences in the customer connection, demand, and revenue forecasts.

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the estimated costs for the Project have been updated from Enbridge Gas's pre-filed evidence at Exhibit E, Tab 1, Schedule 1, Table 1.

- a) Please see Table 1 below for the cost variance breakdown comparing the NGEF cost estimate to the current Project cost estimate.

Table 1

Cost Estimate Comparison – NGEF Proposal and Current Project Proposal

Item No	Description	NGEF Proposal - (\$CAD)			Current Project (\$CAD) - evidence update Aug 2024		
		Pipeline Costs	Ancillary Costs	Total	Pipeline Costs	Ancillary Costs	Total
1	Material	238,349	315,188	553,537	321,809	176,033	497,842
2	Labour and Construction	7,704,295	2,778,421	10,482,716	5,699,423	1,455,526	7,154,949
3	Outside Services	1,328,720	-	1,328,720	2,992,107	67,183	3,059,290
4	Land, Permits, Approvals and Consultations	31,703	-	31,703	125,007	0	125,007
5	Direct Overheads	464,516		464,516	660,260	44,497	704,270
6	Contingency	1,953,517	618,722	2,572,238	959,315	176,200	1,135,515
7	Sub-Total	11,721,101	3,712,330	15,433,431	10,757,921	1,918,952	12,676,874
8	Interest During Construction	117,211	12,717	129,928	315,226	7,155	322,380
9	Total Project Costs	11,838,312	3,725,047	15,563,359	11,073,147	1,926,107	12,999,254

- b) Please see response at Exhibit I.STAFF-1, Attachment 1.
- c) Please see Attachment 1 to this response.
- d) For the variance in forecasted customer connections from the NGEF proposal to this application, please see Exhibit I.STAFF-3 parts a) and e), Exhibit I.STAFF-10 part b) and Exhibit I.STAFF-11 part b).

The demand forecast is driven by the number of forecasted customers and the assumed average use by customer type. Please see Exhibit I.FRPO.9, Table 2-2 for the annual demand (m³) by pipeline section. The demand variance in the updated evidence from the NGEF proposal is a result of the lower customer forecast.

The revenue forecast is driven by the number of forecasted customers, estimated volumes and the distribution rates. As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the revenue forecast for the Project has been updated from Enbridge Gas's pre-filed evidence at Exhibit E, Tab 1, Schedule 1, Attachment 2. The revenue variance in the updated evidence from the NGEF proposal is a result of the lower customer forecast and resultant lower estimated demand.

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Please see Exhibit I.ED-13_Attachment 1.xlsx on the OEB's RDS.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) Please provide Enbridge's definition of "ancillary costs" as that term is used in Table 1. Please provide a full explanation.
- b) Please compare the concept of "ancillary costs" with allocated overhead, including a reconciliation of the concepts in a table if there is partial overlap.

Response:

- a) Generally, ancillary costs include all project costs not directly related to the pipeline facilities that require an order of the OEB granting leave to construct. Ancillary costs include but are not limited to the construction of facilities for individual customer services and stations (e.g., pressure regulation, measurement, odorization).

In the case of the proposed Project, the facilities associated with ancillary costs include:

- Two pressure reducing stations (contractor labour and construction); and
 - Customer services (contractor labour, construction, and meter/regulator installation).¹
- b) There is no correlation between ancillary costs and overheads. Ancillary costs refer to natural gas asset types whereas project overheads account for the labour cost associated with full time employees and contingent workers supporting the project.

¹ Exhibit D, Tab 1, Schedule 1, p. 2.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Page 1

Question(s):

Please provide a table of figures showing, without rounding: the gross capital cost, the gross O&M costs over 40 years, the NPV of the O&M costs over 40 years, the subsidy, the gross revenue over 40 years, and the NPV of the revenue over 40 years.

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the estimated costs and economics for the Project have been updated from Enbridge Gas's pre-filed evidence at Exhibit E, Tab 1, Schedule 1.

a) Please see the information in Table 1.

Table 1

East Gwillimbury Community Expansion Project Costs and Revenue

Gross Capital Costs	\$12,999,254
Gross O&M Over 40 Years	\$823,404
NPV of O&M Over 40 Years	\$298,270
Subsidy	\$8,373,365
Gross Revenue (including SES) Over 40 Years	\$14,551,560
NPV of Revenue (including SES) Over 40 Years	\$5,904,715

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

a) Please complete the following table:

Capital Costs Per Customer	
Forecast gas customers (total)	
Total capital costs	
Capital costs per customer	

b) Please complete the following table:

Capital and Operating Costs Per Customer	
Forecast gas customers (total)	
Total capital costs and gross O&M costs over 40 years	
Capital and O&M costs per customer	

c) Please complete the following table:

Capital and Operating Costs Per Customer (Excl. Costs Covered by the Subsidy)	
Forecast gas customers (total)	
Total capital costs and gross O&M costs minus the subsidy from existing customers	
Capital and O&M costs per customer (excl. subsidy)	

d) Please complete the following table:

NGEP Subsidy from Existing Customers	
Forecast gas customers (total)	
NGEP subsidy	
NGEP subsidy per customer	

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the estimated costs for the Project have been updated from Enbridge Gas's pre-filed evidence at Exhibit E, Tab 1, Schedule 1, Table 1 and the forecasted customers have been updated from Enbridge Gas's pre-filed evidence at Exhibit B, Tab 1, Schedule 1, Table 2.

a) Please see Table 1 below.

<u>Table 1: Capital Costs Per Customer</u>	
Forecast gas customers (total)	263
Total capital costs	\$12,999,254
Capital costs per customer	\$49,427

b) Please see Table 2 below.

<u>Table 2: Capital and Operating Costs Per Customer</u>	
Forecast gas customers (total)	263
Total capital costs and gross O&M costs over 40 years	\$13,822,658
Capital and O&M costs per customer	\$52,558

c) Please see Table 3 below.

<u>Table 3: Capital and Operating Costs Per Customer (Excl. Costs Covered by the Subsidy)</u>	
Forecast gas customers (total)	263
Total capital costs and gross O&M costs minus the subsidy from existing customers	\$5,449,293
Capital and O&M costs per customer (excl. subsidy)	\$20,720

d) Please see Table 4 below.

<u>Table 4: NGEPSubsidy from Existing Customers</u>	
Forecast gas customers (total)	263
NGEP subsidy	\$8,373,365
NGEP subsidy per customer	\$31,838

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) If there are significant revenue shortfalls or cost overruns in years 1 through 10 that Enbridge is unable to recoup from increasing the system expansion surcharge, does Enbridge undertake not to seek to recoup the amounts from existing Enbridge customers?

If there are significant revenue shortfalls or cost overruns in years 11 through 40 that Enbridge is unable to recoup from increasing the system expansion surcharge, does Enbridge undertake not to seek to recoup the amounts from existing Enbridge customers?

Response:

a - b)

Consistent with the direction in the OEB's EB-2020-0094 Decision,¹ upon placing the Project into service, Enbridge Gas will apply a 10-year rate stability period (RSP) during which the Company will bear the risk of the Project customer attachment and capital expenditure forecast vs. actuals. Enbridge Gas will file the actual costs and revenues of the Project with the OEB for consideration of inclusion in rates in the rebasing application following the conclusion of the RSP. The OEB has also determined that it will consider any questions about the treatment of any revenue surplus or shortfall beyond the RSP at that time.² For these reasons, it is premature

¹ EB-2020-0094, Decision and Order, November 5, 2020, pp. 8-9.

² For example: EB-2019-0188, Decision and Order, May 7, 2020: pp. 12-13; EB-2022-0156, Decision and Order, September 21, 2023, pp. 20-21; EB-2022-0248, Decision and Order, September 21, 2023, p. 20; EB-2022-0249, Decision and Order, September 21, 2023, pp. 19-20.

and unnecessary for the Company to make any further commitments with regard to cost recovery at this time.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 1

Question(s):

- a) Please reproduce the DCF table with an illustrative scenario where customer attachments each year are 50% of those forecast. Enbridge does not need to agree this scenario is likely – it is intended to illustrate the cost impacts.
- b) With respect to the response to (a), please provide (i) the revenue deficiency over the first 10 years (both gross and NPV) and the (ii) the revenue deficiency over the remaining 30 years (both gross and NPV).

Response:

a - b)

The Company respectfully declines to provide the requested information. The attachment scenario suggested by ED is arbitrary and has no basis and can result in oversimplified conclusions, as any adjustments made to the attachment forecast would result in other Project components/scope being reassessed/adjusted accordingly. The Company cautions against drawing conclusions based on selective modifications to components of the proposed Project, such as attachment forecasts, without consideration of all Project components in a holistic manner.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) Please complete the following table showing the outcomes in various scenarios in terms of the profitability index, NPV, and gross revenue deficiency. Enbridge does not need to agree these scenarios are likely.

Cost Impact of Different Customer Attachment / Revenue Scenarios					
	Profitability index	NPV	Revenue deficiency (years 1-10)	Revenue deficiency (years 11-40)	Revenue deficiency (years 1-40)
Volumes plateau in year 5 and do not increase					
After year 10, 10 customers exit the system each year (net)					
Volumes are 20% less than forecast each year					

- b) Please provide all analysis that Enbridge completed on the possibility that customers connect the new pipeline but later leave before the end of the 40-year revenue horizon. Please include estimates of the number and percentage of customers that are likely to do so and all underlying figures.

Response:

- a) The Company respectfully declines to provide the requested information. The scenarios suggested by ED are arbitrary and have no basis and can likely only be used to draw oversimplified conclusions, as any adjustments made to parameters like the attachment forecast would result in other Project components/scope being re-assessed/adjusted accordingly. The Company cautions against drawing conclusions based on selective modifications to components of the proposed Project, such as attachment forecasts, without consideration of all Project components in a holistic manner.

b) The Company did not perform any such analysis.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) Please provide a full breakdown of the incremental capital costs shown in the DCF table, including a breakdown showing the connection costs included in the incremental capital.
- b) Please explain how the incremental capital figures in the DCF table were determined and provide all underlying figures and assumptions.
- c) Please indicate which of the following costs are included in the incremental capital costs shown in the DCF table:
 - i. The full cost of service lines, meters, regulators, and other capital needed to connect additional conversion customers (i.e. infills);
 - ii. The cost of service lines, meters, regulators, and other capital needed to connect additional conversion customers (i.e. infills), minus the extra length charges (ELC) that will be required by infill customers;
 - iii. The full cost of mains that are required in new developments that form part of the connection/revenue forecast;
 - iv. The full cost of mains that are required in new developments that form part of the connection/revenue forecast, minus contributions in aid of construction that will be required by developers;
 - v. Incremental overheads; and
 - vi. Normalized system reinforcement costs.

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the estimated costs and economics for the Project have been updated from Enbridge Gas's pre-filed evidence at Exhibit E, Tab 1, Schedule 1 including Attachments 1 and 2.

- a) Please see Attachment 1 to this response for the full breakdown of the incremental capital cost.
- b) Please see Attachment 1 to this response. The incremental capital cost as presented in the DCF analysis at Exhibit E, Tab 1, Schedule 1, Attachment 2 is calculated by reducing the forecast of capital cost of the Project (approximately \$13.0 million) by NGEF funding (approximately \$8.4 million). The awarded NGEF funding offsets the overall cost of the Project, resulting in a net capital cost of \$4.6 million.
- c)
 - i) Included.
 - ii) Included.
 - iii) Not applicable. No new developments have been identified within the Project area.
 - iv) Not applicable. No new developments have been identified within the Project area.
 - v) Included. The incremental overheads are included at 5% of the gross cost for each asset type and have been presented separately for each facility type in Attachment 1 to this response.
 - vi) Not Included. Normalized reinforcement costs are not applicable to community expansion projects.

Table 1
Capital Expenditure

Line No.		Total	2021-2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
1	Pipeline Phase 1	\$4,313,221	\$4,219,463	\$93,758	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Pipeline Phase 1_Incremental overheads	\$215,661	\$210,973	\$4,688	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Pipeline Phase 2	\$6,232,633	\$6,058,694	\$173,939	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Pipeline Phase 2_Incremental overheads	\$311,632	\$302,935	\$8,697	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Ancillary Facilities_Distribution Station	\$335,200	\$335,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Ancillary Facilities_Distribution Station_Incremental overheads	\$16,760	\$16,760	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Ancillary Facilities_Customer Services	\$1,499,188	\$326,396	\$272,514	\$229,693	\$148,564	\$145,865	\$71,477	\$73,312	\$75,188	\$77,108	\$79,071
8	Ancillary Facilities_Customer Services_Incremental overheads	\$74,959	\$16,320	\$13,626	\$11,485	\$7,428	\$7,293	\$3,574	\$3,666	\$3,759	\$3,855	\$3,954
9	Gross Capital Costs	\$12,999,254	\$11,486,741	\$567,222	\$241,177	\$155,992	\$153,158	\$75,051	\$76,977	\$78,947	\$80,963	\$83,025
10	NGEP Funding	(\$8,373,365)	(\$8,373,365)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	Net Capital Costs	\$4,625,889	\$3,113,376	\$567,222	\$241,177	\$155,992	\$153,158	\$75,051	\$76,977	\$78,947	\$80,963	\$83,025

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Preamble:

These questions relate to the costs of individual customer attachments (i.e. dedicated service line and meter), the portion of those costs that will be borne via up-front payments by customers considering a switch to gas, and how this might impact the number of attachments as customers consider gas versus heat pumps.

Question(s):

- a) Please confirm that the Extra Length Charge applies in community expansion areas. If not, please explain, including an explanation as to when that changed, why that changed, and whether approval was sought from the OEB for that change.
- b) Please provide the details of the existing Extra Length Charge.
- c) Please confirm that the existing Extra Length Charge is insufficient to meet the 40-year revenue horizon maximum in EBO 188.
- d) What Extra Length Charge is Enbridge proposing to institute in 2024 in its current rates case?
- e) Please confirm how many intervenors in Enbridge's rates case have requested in their submissions (i) a higher Extra Length Charge than proposed by Enbridge and (ii) a lower extra length charge than proposed by Enbridge.
- f) Please provide a rough estimate of the Extra Length Charge that would be applicable to the buildings in the project area on average, at the high end, and at the low end.
- g) Please provide a table showing, for all the buildings in the project area, the approximate length of service line that will be required. If Enbridge does not have that information, please obtain it on an approximate basis using mapping tools. The list does not need to use addresses. Please use simplifying assumptions if Enbridge

wishes to do so (e.g., that the service line will run in a straight line from the edge of the shoulder to the nearest point on the house). [Note that this should not be onerous, and Environmental Defence would complete the task if it was permitted to submit evidence. We tested this task with Google Maps, and we were able to record measurements of approximately 5 buildings per minute.]

- h) Please add to the table from (g): the approximate Extra Length Charge that would apply for that building (pre-tax) and the total including tax (if tax is applied), for the existing ELC and the proposed ELC.
- i) Please explain how Enbridge determines the length for the purpose of calculating the Extra Length Charge. For instance, is the length measured from the actual gas main, or from some other point (e.g., the edge of the road or the edge of the shoulder)? For customers on the opposite side of the road as the main, do they or Enbridge cover the incremental costs of getting the service line underneath the road?

Response:

- a) Confirmed.
- b) The existing ELC was approved by the OEB's decision and order in EB-2022-0200 , as follows:

The OEB approves the proposed ELC of \$159 per metre beyond the first 20 meters for use in 2024.¹

- c) Enbridge Gas interprets the interrogatory to be asking whether the existing ELC described in part b) above will be insufficient to ensure a Project Profitability Index (PI) of 1.0. Not confirmed. As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the Project has a PI of 1.0 and that figure is provided within the DCF analysis filed at Exhibit E, Tab 1, Schedule 1, Attachment 2.
- d) Enbridge Gas will apply the ELC as approved and shown in the response to part b) above.

¹ EB-2022-0200, Decision and Order, December 21, 2023, p. 50.

- e) With the December 21, 2023 OEB decision and order in EB-2022-0200 which included approval of the ELC as noted in part b) above,² Enbridge Gas finds ED's question regarding the number of intervenors with submissions regarding the ELC to be no longer relevant.
- f) Measuring from the property line to the building for all in-scope potential services (see Attachment 1), the shortest service measured is 2 m requiring no ELC contribution, whereas the longest service measured is 780 m, requiring an ELC contribution of approximately \$137,000. The average ELC of all potential customers is \$6,815 (inclusive of residential potential customers <20 m that pay \$0).

Please see the response to Exhibit I.STAFF-10 part c) for the average ELC contribution of residential customers included in the forecast required to pay an ELC.

g – h)

Please see Attachment 1.

- i) The length of the service for the purpose of calculating the ELC is measured from the customer's property line to the location where the gas meter is installed. This rule is designed to treat all customers fairly and customers have no advantage or disadvantage if the main line is on their side or the opposite side of the road.

² EB-2022-0200, Decision and Order, December 21, 2023, p. 50.

Number of Homes	Distance (Property Line to BL)	Excess length (Over 20 M)	Cost (32\$/M)	HST	Total	Cost (159\$/M)	HST2	Total2
1	191.5	171.5	\$ 5,488.00	\$ 713.44	\$ 6,201.44	\$ 27,268.50	\$ 3,544.91	\$ 30,813.41
2	26	6	\$ 192.00	\$ 24.96	\$ 216.96	\$ 954.00	\$ 124.02	\$ 1,078.02
3	241	221	\$ 7,072.00	\$ 919.36	\$ 7,991.36	\$ 35,139.00	\$ 4,568.07	\$ 39,707.07
4	187	167	\$ 5,344.00	\$ 694.72	\$ 6,038.72	\$ 26,553.00	\$ 3,451.89	\$ 30,004.89
5	230	210	\$ 6,720.00	\$ 873.60	\$ 7,593.60	\$ 33,390.00	\$ 4,340.70	\$ 37,730.70
6	274	254	\$ 8,128.00	\$ 1,056.64	\$ 9,184.64	\$ 40,386.00	\$ 5,250.18	\$ 45,636.18
7	207	187	\$ 5,984.00	\$ 777.92	\$ 6,761.92	\$ 29,733.00	\$ 3,865.29	\$ 33,598.29
8	311	291	\$ 9,312.00	\$ 1,210.56	\$ 10,522.56	\$ 46,269.00	\$ 6,014.97	\$ 52,283.97
9	10	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10	25	5	\$ 160.00	\$ 20.80	\$ 180.80	\$ 795.00	\$ 103.35	\$ 898.35
11	27.5	7.5	\$ 240.00	\$ 31.20	\$ 271.20	\$ 1,192.50	\$ 155.03	\$ 1,347.53
12	53	33	\$ 1,056.00	\$ 137.28	\$ 1,193.28	\$ 5,247.00	\$ 682.11	\$ 5,929.11
13	18	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	26	6	\$ 192.00	\$ 24.96	\$ 216.96	\$ 954.00	\$ 124.02	\$ 1,078.02
15	24	4	\$ 128.00	\$ 16.64	\$ 144.64	\$ 636.00	\$ 82.68	\$ 718.68
16	34	14	\$ 448.00	\$ 58.24	\$ 506.24	\$ 2,226.00	\$ 289.38	\$ 2,515.38
17	29	9	\$ 288.00	\$ 37.44	\$ 325.44	\$ 1,431.00	\$ 186.03	\$ 1,617.03
18	145	125	\$ 4,000.00	\$ 520.00	\$ 4,520.00	\$ 19,875.00	\$ 2,583.75	\$ 22,458.75
19	27	7	\$ 224.00	\$ 29.12	\$ 253.12	\$ 1,113.00	\$ 144.69	\$ 1,257.69
20	52	32	\$ 1,024.00	\$ 133.12	\$ 1,157.12	\$ 5,088.00	\$ 661.44	\$ 5,749.44
21	52.5	32.5	\$ 1,040.00	\$ 135.20	\$ 1,175.20	\$ 5,167.50	\$ 671.78	\$ 5,839.28
22	58	38	\$ 1,216.00	\$ 158.08	\$ 1,374.08	\$ 6,042.00	\$ 785.46	\$ 6,827.46
23	52.5	32.5	\$ 1,040.00	\$ 135.20	\$ 1,175.20	\$ 5,167.50	\$ 671.78	\$ 5,839.28
24	70	50	\$ 1,600.00	\$ 208.00	\$ 1,808.00	\$ 7,950.00	\$ 1,033.50	\$ 8,983.50
25	29	9	\$ 288.00	\$ 37.44	\$ 325.44	\$ 1,431.00	\$ 186.03	\$ 1,617.03
26	20	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
27	52	32	\$ 1,024.00	\$ 133.12	\$ 1,157.12	\$ 5,088.00	\$ 661.44	\$ 5,749.44
28	20	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29	17	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30	8.5	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
31	11	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32	8	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33	9.5	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
34	35	15	\$ 480.00	\$ 62.40	\$ 542.40	\$ 2,385.00	\$ 310.05	\$ 2,695.05
35	12.5	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36	2	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
37	42	22	\$ 704.00	\$ 91.52	\$ 795.52	\$ 3,498.00	\$ 454.74	\$ 3,952.74
38	30	10	\$ 320.00	\$ 41.60	\$ 361.60	\$ 1,590.00	\$ 206.70	\$ 1,796.70
39	81	61	\$ 1,952.00	\$ 253.76	\$ 2,205.76	\$ 9,699.00	\$ 1,260.87	\$ 10,959.87
40	35	15	\$ 480.00	\$ 62.40	\$ 542.40	\$ 2,385.00	\$ 310.05	\$ 2,695.05
41	36	16	\$ 512.00	\$ 66.56	\$ 578.56	\$ 2,544.00	\$ 330.72	\$ 2,874.72
42	51.5	31.5	\$ 1,008.00	\$ 131.04	\$ 1,139.04	\$ 5,008.50	\$ 651.11	\$ 5,659.61
43	5.5	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
44	13	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

45	36	16	\$	512.00	\$	66.56	\$	578.56	\$	2,544.00	\$	330.72	\$	2,874.72
46	86	66	\$	2,112.00	\$	274.56	\$	2,386.56	\$	10,494.00	\$	1,364.22	\$	11,858.22
47	388	368	\$	11,776.00	\$	1,530.88	\$	13,306.88	\$	58,512.00	\$	7,606.56	\$	66,118.56
48	81	61	\$	1,952.00	\$	253.76	\$	2,205.76	\$	9,699.00	\$	1,260.87	\$	10,959.87
49	27	7	\$	224.00	\$	29.12	\$	253.12	\$	1,113.00	\$	144.69	\$	1,257.69
50	334	314	\$	10,048.00	\$	1,306.24	\$	11,354.24	\$	49,926.00	\$	6,490.38	\$	56,416.38
51	337	317	\$	10,144.00	\$	1,318.72	\$	11,462.72	\$	50,403.00	\$	6,552.39	\$	56,955.39
52	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
53	271	251	\$	8,032.00	\$	1,044.16	\$	9,076.16	\$	39,909.00	\$	5,188.17	\$	45,097.17
54	24.5	4.5	\$	144.00	\$	18.72	\$	162.72	\$	715.50	\$	93.02	\$	808.52
55	146	126	\$	4,032.00	\$	524.16	\$	4,556.16	\$	20,034.00	\$	2,604.42	\$	22,638.42
56	46	26	\$	832.00	\$	108.16	\$	940.16	\$	4,134.00	\$	537.42	\$	4,671.42
57	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
58	116	96	\$	3,072.00	\$	399.36	\$	3,471.36	\$	15,264.00	\$	1,984.32	\$	17,248.32
59	45	25	\$	800.00	\$	104.00	\$	904.00	\$	3,975.00	\$	516.75	\$	4,491.75
60	27	7	\$	224.00	\$	29.12	\$	253.12	\$	1,113.00	\$	144.69	\$	1,257.69
61	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
62	19.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
63	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
64	12.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
65	38	18	\$	576.00	\$	74.88	\$	650.88	\$	2,862.00	\$	372.06	\$	3,234.06
66	300	280	\$	8,960.00	\$	1,164.80	\$	10,124.80	\$	44,520.00	\$	5,787.60	\$	50,307.60
67	32.5	12.5	\$	400.00	\$	52.00	\$	452.00	\$	1,987.50	\$	258.38	\$	2,245.88
68	173	153	\$	4,896.00	\$	636.48	\$	5,532.48	\$	24,327.00	\$	3,162.51	\$	27,489.51
69	89	69	\$	2,208.00	\$	287.04	\$	2,495.04	\$	10,971.00	\$	1,426.23	\$	12,397.23
70	59	39	\$	1,248.00	\$	162.24	\$	1,410.24	\$	6,201.00	\$	806.13	\$	7,007.13
71	42	22	\$	704.00	\$	91.52	\$	795.52	\$	3,498.00	\$	454.74	\$	3,952.74
72	289.5	269.5	\$	8,624.00	\$	1,121.12	\$	9,745.12	\$	42,850.50	\$	5,570.57	\$	48,421.07
73	147	127	\$	4,064.00	\$	528.32	\$	4,592.32	\$	20,193.00	\$	2,625.09	\$	22,818.09
74	17.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
75	87	67	\$	2,144.00	\$	278.72	\$	2,422.72	\$	10,653.00	\$	1,384.89	\$	12,037.89
76	24	4	\$	128.00	\$	16.64	\$	144.64	\$	636.00	\$	82.68	\$	718.68
77	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
78	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
79	23.5	3.5	\$	112.00	\$	14.56	\$	126.56	\$	556.50	\$	72.35	\$	628.85
80	25.5	5.5	\$	176.00	\$	22.88	\$	198.88	\$	874.50	\$	113.69	\$	988.19
81	25	5	\$	160.00	\$	20.80	\$	180.80	\$	795.00	\$	103.35	\$	898.35
82	28	8	\$	256.00	\$	33.28	\$	289.28	\$	1,272.00	\$	165.36	\$	1,437.36
83	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
84	31	11	\$	352.00	\$	45.76	\$	397.76	\$	1,749.00	\$	227.37	\$	1,976.37
85	24	4	\$	128.00	\$	16.64	\$	144.64	\$	636.00	\$	82.68	\$	718.68
86	26	6	\$	192.00	\$	24.96	\$	216.96	\$	954.00	\$	124.02	\$	1,078.02
87	39.5	19.5	\$	624.00	\$	81.12	\$	705.12	\$	3,100.50	\$	403.07	\$	3,503.57
88	29	9	\$	288.00	\$	37.44	\$	325.44	\$	1,431.00	\$	186.03	\$	1,617.03
89	165.5	145.5	\$	4,656.00	\$	605.28	\$	5,261.28	\$	23,134.50	\$	3,007.49	\$	26,141.99
90	205	185	\$	5,920.00	\$	769.60	\$	6,689.60	\$	29,415.00	\$	3,823.95	\$	33,238.95

91	149	129	\$	4,128.00	\$	536.64	\$	4,664.64	\$	20,511.00	\$	2,666.43	\$	23,177.43
92	131	111	\$	3,552.00	\$	461.76	\$	4,013.76	\$	17,649.00	\$	2,294.37	\$	19,943.37
93	24	4	\$	128.00	\$	16.64	\$	144.64	\$	636.00	\$	82.68	\$	718.68
94	73	53	\$	1,696.00	\$	220.48	\$	1,916.48	\$	8,427.00	\$	1,095.51	\$	9,522.51
95	53	33	\$	1,056.00	\$	137.28	\$	1,193.28	\$	5,247.00	\$	682.11	\$	5,929.11
96	36.5	16.5	\$	528.00	\$	68.64	\$	596.64	\$	2,623.50	\$	341.06	\$	2,964.56
97	89	69	\$	2,208.00	\$	287.04	\$	2,495.04	\$	10,971.00	\$	1,426.23	\$	12,397.23
98	97.5	77.5	\$	2,480.00	\$	322.40	\$	2,802.40	\$	12,322.50	\$	1,601.93	\$	13,924.43
99	208.5	188.5	\$	6,032.00	\$	784.16	\$	6,816.16	\$	29,971.50	\$	3,896.30	\$	33,867.80
100	75	55	\$	1,760.00	\$	228.80	\$	1,988.80	\$	8,745.00	\$	1,136.85	\$	9,881.85
101	106.5	86.5	\$	2,768.00	\$	359.84	\$	3,127.84	\$	13,753.50	\$	1,787.96	\$	15,541.46
102	17.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
103	61	41	\$	1,312.00	\$	170.56	\$	1,482.56	\$	6,519.00	\$	847.47	\$	7,366.47
104	14	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
105	35	15	\$	480.00	\$	62.40	\$	542.40	\$	2,385.00	\$	310.05	\$	2,695.05
106	128.5	108.5	\$	3,472.00	\$	451.36	\$	3,923.36	\$	17,251.50	\$	2,242.70	\$	19,494.20
107	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
108	15.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
109	31.5	11.5	\$	368.00	\$	47.84	\$	415.84	\$	1,828.50	\$	237.71	\$	2,066.21
110	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
111	14.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
112	52.5	32.5	\$	1,040.00	\$	135.20	\$	1,175.20	\$	5,167.50	\$	671.78	\$	5,839.28
113	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
114	24	4	\$	128.00	\$	16.64	\$	144.64	\$	636.00	\$	82.68	\$	718.68
115	37	17	\$	544.00	\$	70.72	\$	614.72	\$	2,703.00	\$	351.39	\$	3,054.39
116	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
117	32.5	12.5	\$	400.00	\$	52.00	\$	452.00	\$	1,987.50	\$	258.38	\$	2,245.88
118	34.5	14.5	\$	464.00	\$	60.32	\$	524.32	\$	2,305.50	\$	299.72	\$	2,605.22
119	24	4	\$	128.00	\$	16.64	\$	144.64	\$	636.00	\$	82.68	\$	718.68
120	34	14	\$	448.00	\$	58.24	\$	506.24	\$	2,226.00	\$	289.38	\$	2,515.38
121	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
122	35	15	\$	480.00	\$	62.40	\$	542.40	\$	2,385.00	\$	310.05	\$	2,695.05
123	36	16	\$	512.00	\$	66.56	\$	578.56	\$	2,544.00	\$	330.72	\$	2,874.72
124	51.5	31.5	\$	1,008.00	\$	131.04	\$	1,139.04	\$	5,008.50	\$	651.11	\$	5,659.61
125	21.5	1.5	\$	48.00	\$	6.24	\$	54.24	\$	238.50	\$	31.01	\$	269.51
126	26.5	6.5	\$	208.00	\$	27.04	\$	235.04	\$	1,033.50	\$	134.36	\$	1,167.86
127	69.5	49.5	\$	1,584.00	\$	205.92	\$	1,789.92	\$	7,870.50	\$	1,023.17	\$	8,893.67
128	164	144	\$	4,608.00	\$	599.04	\$	5,207.04	\$	22,896.00	\$	2,976.48	\$	25,872.48
129	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
130	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
131	22.5	2.5	\$	80.00	\$	10.40	\$	90.40	\$	397.50	\$	51.68	\$	449.18
132	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
133	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
134	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
135	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
136	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

137	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
138	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
139	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
140	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
141	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
142	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
143	14	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
144	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
145	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
146	13	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
147	18.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
148	9	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
149	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
150	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
151	18.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
152	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
153	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
154	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
155	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
156	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
157	16.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
158	19.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
159	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
160	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
161	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
162	100.5	80.5	\$	2,576.00	\$	334.88	\$	2,910.88	\$	12,799.50	\$	1,663.94	\$	14,463.44
163	13	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
164	31	11	\$	352.00	\$	45.76	\$	397.76	\$	1,749.00	\$	227.37	\$	1,976.37
165	85	65	\$	2,080.00	\$	270.40	\$	2,350.40	\$	10,335.00	\$	1,343.55	\$	11,678.55
166	72	52	\$	1,664.00	\$	216.32	\$	1,880.32	\$	8,268.00	\$	1,074.84	\$	9,342.84
167	70.5	50.5	\$	1,616.00	\$	210.08	\$	1,826.08	\$	8,029.50	\$	1,043.84	\$	9,073.34
168	28	8	\$	256.00	\$	33.28	\$	289.28	\$	1,272.00	\$	165.36	\$	1,437.36
169	12.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
170	40	20	\$	640.00	\$	83.20	\$	723.20	\$	3,180.00	\$	413.40	\$	3,593.40
171	25	5	\$	160.00	\$	20.80	\$	180.80	\$	795.00	\$	103.35	\$	898.35
172	40	20	\$	640.00	\$	83.20	\$	723.20	\$	3,180.00	\$	413.40	\$	3,593.40
173	31	11	\$	352.00	\$	45.76	\$	397.76	\$	1,749.00	\$	227.37	\$	1,976.37
174	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
175	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
176	56	36	\$	1,152.00	\$	149.76	\$	1,301.76	\$	5,724.00	\$	744.12	\$	6,468.12
177	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
178	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
179	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
180	65	45	\$	1,440.00	\$	187.20	\$	1,627.20	\$	7,155.00	\$	930.15	\$	8,085.15
181	36	16	\$	512.00	\$	66.56	\$	578.56	\$	2,544.00	\$	330.72	\$	2,874.72
182	147	127	\$	4,064.00	\$	528.32	\$	4,592.32	\$	20,193.00	\$	2,625.09	\$	22,818.09

183	76	56	\$	1,792.00	\$	232.96	\$	2,024.96	\$	8,904.00	\$	1,157.52	\$	10,061.52
184	218	198	\$	6,336.00	\$	823.68	\$	7,159.68	\$	31,482.00	\$	4,092.66	\$	35,574.66
185	147	127	\$	4,064.00	\$	528.32	\$	4,592.32	\$	20,193.00	\$	2,625.09	\$	22,818.09
186	23.5	3.5	\$	112.00	\$	14.56	\$	126.56	\$	556.50	\$	72.35	\$	628.85
187	304	284	\$	9,088.00	\$	1,181.44	\$	10,269.44	\$	45,156.00	\$	5,870.28	\$	51,026.28
188	35	15	\$	480.00	\$	62.40	\$	542.40	\$	2,385.00	\$	310.05	\$	2,695.05
189	55.5	35.5	\$	1,136.00	\$	147.68	\$	1,283.68	\$	5,644.50	\$	733.79	\$	6,378.29
190	31	11	\$	352.00	\$	45.76	\$	397.76	\$	1,749.00	\$	227.37	\$	1,976.37
191	41	21	\$	672.00	\$	87.36	\$	759.36	\$	3,339.00	\$	434.07	\$	3,773.07
192	14	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
193	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
194	37	17	\$	544.00	\$	70.72	\$	614.72	\$	2,703.00	\$	351.39	\$	3,054.39
195	35	15	\$	480.00	\$	62.40	\$	542.40	\$	2,385.00	\$	310.05	\$	2,695.05
196	145.5	125.5	\$	4,016.00	\$	522.08	\$	4,538.08	\$	19,954.50	\$	2,594.09	\$	22,548.59
197	331	311	\$	9,952.00	\$	1,293.76	\$	11,245.76	\$	49,449.00	\$	6,428.37	\$	55,877.37
198	61	41	\$	1,312.00	\$	170.56	\$	1,482.56	\$	6,519.00	\$	847.47	\$	7,366.47
199	31	11	\$	352.00	\$	45.76	\$	397.76	\$	1,749.00	\$	227.37	\$	1,976.37
200	29	9	\$	288.00	\$	37.44	\$	325.44	\$	1,431.00	\$	186.03	\$	1,617.03
201	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
202	25	5	\$	160.00	\$	20.80	\$	180.80	\$	795.00	\$	103.35	\$	898.35
203	510	490	\$	15,680.00	\$	2,038.40	\$	17,718.40	\$	77,910.00	\$	10,128.30	\$	88,038.30
204	382	362	\$	11,584.00	\$	1,505.92	\$	13,089.92	\$	57,558.00	\$	7,482.54	\$	65,040.54
205	61.5	41.5	\$	1,328.00	\$	172.64	\$	1,500.64	\$	6,598.50	\$	857.81	\$	7,456.31
206	52	32	\$	1,024.00	\$	133.12	\$	1,157.12	\$	5,088.00	\$	661.44	\$	5,749.44
207	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
208	20.5	0.5	\$	16.00	\$	2.08	\$	18.08	\$	79.50	\$	10.34	\$	89.84
209	40	20	\$	640.00	\$	83.20	\$	723.20	\$	3,180.00	\$	413.40	\$	3,593.40
210	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
211	206	186	\$	5,952.00	\$	773.76	\$	6,725.76	\$	29,574.00	\$	3,844.62	\$	33,418.62
212	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
213	25	5	\$	160.00	\$	20.80	\$	180.80	\$	795.00	\$	103.35	\$	898.35
214	151	131	\$	4,192.00	\$	544.96	\$	4,736.96	\$	20,829.00	\$	2,707.77	\$	23,536.77
215	24	4	\$	128.00	\$	16.64	\$	144.64	\$	636.00	\$	82.68	\$	718.68
216	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
217	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
218	72	52	\$	1,664.00	\$	216.32	\$	1,880.32	\$	8,268.00	\$	1,074.84	\$	9,342.84
219	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
220	41	21	\$	672.00	\$	87.36	\$	759.36	\$	3,339.00	\$	434.07	\$	3,773.07
221	16.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
222	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
223	104	84	\$	2,688.00	\$	349.44	\$	3,037.44	\$	13,356.00	\$	1,736.28	\$	15,092.28
224	82	62	\$	1,984.00	\$	257.92	\$	2,241.92	\$	9,858.00	\$	1,281.54	\$	11,139.54
225	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
226	597	577	\$	18,464.00	\$	2,400.32	\$	20,864.32	\$	91,743.00	\$	11,926.59	\$	103,669.59
227	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
228	16	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

229	54	34	\$	1,088.00	\$	141.44	\$	1,229.44	\$	5,406.00	\$	702.78	\$	6,108.78
230	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
231	56	36	\$	1,152.00	\$	149.76	\$	1,301.76	\$	5,724.00	\$	744.12	\$	6,468.12
232	391	371	\$	11,872.00	\$	1,543.36	\$	13,415.36	\$	58,989.00	\$	7,668.57	\$	66,657.57
233	55	35	\$	1,120.00	\$	145.60	\$	1,265.60	\$	5,565.00	\$	723.45	\$	6,288.45
234	194	174	\$	5,568.00	\$	723.84	\$	6,291.84	\$	27,666.00	\$	3,596.58	\$	31,262.58
235	58	38	\$	1,216.00	\$	158.08	\$	1,374.08	\$	6,042.00	\$	785.46	\$	6,827.46
236	66	46	\$	1,472.00	\$	191.36	\$	1,663.36	\$	7,314.00	\$	950.82	\$	8,264.82
237	81	61	\$	1,952.00	\$	253.76	\$	2,205.76	\$	9,699.00	\$	1,260.87	\$	10,959.87
238	159	139	\$	4,448.00	\$	578.24	\$	5,026.24	\$	22,101.00	\$	2,873.13	\$	24,974.13
239	181	161	\$	5,152.00	\$	669.76	\$	5,821.76	\$	25,599.00	\$	3,327.87	\$	28,926.87
240	211	191	\$	6,112.00	\$	794.56	\$	6,906.56	\$	30,369.00	\$	3,947.97	\$	34,316.97
241	51.5	31.5	\$	1,008.00	\$	131.04	\$	1,139.04	\$	5,008.50	\$	651.11	\$	5,659.61
242	179	159	\$	5,088.00	\$	661.44	\$	5,749.44	\$	25,281.00	\$	3,286.53	\$	28,567.53
243	16	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
244	33	13	\$	416.00	\$	54.08	\$	470.08	\$	2,067.00	\$	268.71	\$	2,335.71
245	475	455	\$	14,560.00	\$	1,892.80	\$	16,452.80	\$	72,345.00	\$	9,404.85	\$	81,749.85
246	100	80	\$	2,560.00	\$	332.80	\$	2,892.80	\$	12,720.00	\$	1,653.60	\$	14,373.60
247	52	32	\$	1,024.00	\$	133.12	\$	1,157.12	\$	5,088.00	\$	661.44	\$	5,749.44
248	85	65	\$	2,080.00	\$	270.40	\$	2,350.40	\$	10,335.00	\$	1,343.55	\$	11,678.55
249	68	48	\$	1,536.00	\$	199.68	\$	1,735.68	\$	7,632.00	\$	992.16	\$	8,624.16
250	780	760	\$	24,320.00	\$	3,161.60	\$	27,481.60	\$	120,840.00	\$	15,709.20	\$	136,549.20
251	235	215	\$	6,880.00	\$	894.40	\$	7,774.40	\$	34,185.00	\$	4,444.05	\$	38,629.05
252	57.5	37.5	\$	1,200.00	\$	156.00	\$	1,356.00	\$	5,962.50	\$	775.13	\$	6,737.63
253	111	91	\$	2,912.00	\$	378.56	\$	3,290.56	\$	14,469.00	\$	1,880.97	\$	16,349.97
254	63	43	\$	1,376.00	\$	178.88	\$	1,554.88	\$	6,837.00	\$	888.81	\$	7,725.81
255	56	36	\$	1,152.00	\$	149.76	\$	1,301.76	\$	5,724.00	\$	744.12	\$	6,468.12
256	53	33	\$	1,056.00	\$	137.28	\$	1,193.28	\$	5,247.00	\$	682.11	\$	5,929.11
257	95.5	75.5	\$	2,416.00	\$	314.08	\$	2,730.08	\$	12,004.50	\$	1,560.59	\$	13,565.09
258	25.5	5.5	\$	176.00	\$	22.88	\$	198.88	\$	874.50	\$	113.69	\$	988.19
259	126.5	106.5	\$	3,408.00	\$	443.04	\$	3,851.04	\$	16,933.50	\$	2,201.36	\$	19,134.86
260	38	18	\$	576.00	\$	74.88	\$	650.88	\$	2,862.00	\$	372.06	\$	3,234.06
261	15	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
262	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
263	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
264	40	20	\$	640.00	\$	83.20	\$	723.20	\$	3,180.00	\$	413.40	\$	3,593.40
265	48	28	\$	896.00	\$	116.48	\$	1,012.48	\$	4,452.00	\$	578.76	\$	5,030.76
266	40	20	\$	640.00	\$	83.20	\$	723.20	\$	3,180.00	\$	413.40	\$	3,593.40
267	34	14	\$	448.00	\$	58.24	\$	506.24	\$	2,226.00	\$	289.38	\$	2,515.38
268	10	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
269	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
270	7	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
271	5.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
272	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
273	10.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
274	11.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

275	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
276	13.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
277	15.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
278	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
279	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
280	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
281	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
282	15	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
283	17.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
284	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
285	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
286	15	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
287	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
288	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
289	21.5	1.5	\$	48.00	\$	6.24	\$	54.24	\$	238.50	\$	31.01	\$	269.51
290	26	6	\$	192.00	\$	24.96	\$	216.96	\$	954.00	\$	124.02	\$	1,078.02
291	25	5	\$	160.00	\$	20.80	\$	180.80	\$	795.00	\$	103.35	\$	898.35
292	28	8	\$	256.00	\$	33.28	\$	289.28	\$	1,272.00	\$	165.36	\$	1,437.36
293	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
294	30	10	\$	320.00	\$	41.60	\$	361.60	\$	1,590.00	\$	206.70	\$	1,796.70
295	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
296	26	6	\$	192.00	\$	24.96	\$	216.96	\$	954.00	\$	124.02	\$	1,078.02
297	28.5	8.5	\$	272.00	\$	35.36	\$	307.36	\$	1,351.50	\$	175.70	\$	1,527.20
298	25	5	\$	160.00	\$	20.80	\$	180.80	\$	795.00	\$	103.35	\$	898.35
299	27	7	\$	224.00	\$	29.12	\$	253.12	\$	1,113.00	\$	144.69	\$	1,257.69
300	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
301	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
302	42	22	\$	704.00	\$	91.52	\$	795.52	\$	3,498.00	\$	454.74	\$	3,952.74
303	23.5	3.5	\$	112.00	\$	14.56	\$	126.56	\$	556.50	\$	72.35	\$	628.85
304	35	15	\$	480.00	\$	62.40	\$	542.40	\$	2,385.00	\$	310.05	\$	2,695.05
305	16	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
306	30	10	\$	320.00	\$	41.60	\$	361.60	\$	1,590.00	\$	206.70	\$	1,796.70
307	29	9	\$	288.00	\$	37.44	\$	325.44	\$	1,431.00	\$	186.03	\$	1,617.03
308	30	10	\$	320.00	\$	41.60	\$	361.60	\$	1,590.00	\$	206.70	\$	1,796.70
309	21.5	1.5	\$	48.00	\$	6.24	\$	54.24	\$	238.50	\$	31.01	\$	269.51
310	26	6	\$	192.00	\$	24.96	\$	216.96	\$	954.00	\$	124.02	\$	1,078.02
311	25	5	\$	160.00	\$	20.80	\$	180.80	\$	795.00	\$	103.35	\$	898.35
312	29	9	\$	288.00	\$	37.44	\$	325.44	\$	1,431.00	\$	186.03	\$	1,617.03
313	26	6	\$	192.00	\$	24.96	\$	216.96	\$	954.00	\$	124.02	\$	1,078.02
314	24	4	\$	128.00	\$	16.64	\$	144.64	\$	636.00	\$	82.68	\$	718.68
315	25.5	5.5	\$	176.00	\$	22.88	\$	198.88	\$	874.50	\$	113.69	\$	988.19
316	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
317	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
318	9	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
319	9	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
320	70	50	\$	1,600.00	\$	208.00	\$	1,808.00	\$	7,950.00	\$	1,033.50	\$	8,983.50

321	32	12	\$	384.00	\$	49.92	\$	433.92	\$	1,908.00	\$	248.04	\$	2,156.04
322	19.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
323	25.5	5.5	\$	176.00	\$	22.88	\$	198.88	\$	874.50	\$	113.69	\$	988.19
324	29	9	\$	288.00	\$	37.44	\$	325.44	\$	1,431.00	\$	186.03	\$	1,617.03
325	13	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
326	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
327	12.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
328	9	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
329	6	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
330	7	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
331	10	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
332	30	10	\$	320.00	\$	41.60	\$	361.60	\$	1,590.00	\$	206.70	\$	1,796.70
333	14	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
334	4	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
335	5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
336	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
337	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
338	16	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
339	44	24	\$	768.00	\$	99.84	\$	867.84	\$	3,816.00	\$	496.08	\$	4,312.08
340	89	69	\$	2,208.00	\$	287.04	\$	2,495.04	\$	10,971.00	\$	1,426.23	\$	12,397.23
341	62.5	42.5	\$	1,360.00	\$	176.80	\$	1,536.80	\$	6,757.50	\$	878.48	\$	7,635.98
342	139.5	119.5	\$	3,824.00	\$	497.12	\$	4,321.12	\$	19,000.50	\$	2,470.07	\$	21,470.57
343	19.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
344	21.5	1.5	\$	48.00	\$	6.24	\$	54.24	\$	238.50	\$	31.01	\$	269.51
345	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
346	20.5	0.5	\$	16.00	\$	2.08	\$	18.08	\$	79.50	\$	10.34	\$	89.84
347	44	24	\$	768.00	\$	99.84	\$	867.84	\$	3,816.00	\$	496.08	\$	4,312.08
348	110	90	\$	2,880.00	\$	374.40	\$	3,254.40	\$	14,310.00	\$	1,860.30	\$	16,170.30
349	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
350	19.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
351	31	11	\$	352.00	\$	45.76	\$	397.76	\$	1,749.00	\$	227.37	\$	1,976.37
352	76.5	56.5	\$	1,808.00	\$	235.04	\$	2,043.04	\$	8,983.50	\$	1,167.86	\$	10,151.36
353	42	22	\$	704.00	\$	91.52	\$	795.52	\$	3,498.00	\$	454.74	\$	3,952.74
354	34	14	\$	448.00	\$	58.24	\$	506.24	\$	2,226.00	\$	289.38	\$	2,515.38
355	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
356	52	32	\$	1,024.00	\$	133.12	\$	1,157.12	\$	5,088.00	\$	661.44	\$	5,749.44
357	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
358	93	73	\$	2,336.00	\$	303.68	\$	2,639.68	\$	11,607.00	\$	1,508.91	\$	13,115.91
359	16	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
360	15	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
361	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
362	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
363	5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
364	31	11	\$	352.00	\$	45.76	\$	397.76	\$	1,749.00	\$	227.37	\$	1,976.37
365	4	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
366	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

367	8	0	\$	-	\$	-	\$	-	\$	-	\$	-		
368	18.5	0	\$	-	\$	-	\$	-	\$	-	\$	-		
369	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
370	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
371	22.5	2.5	\$	80.00	\$	10.40	\$	90.40	\$	397.50	\$	51.68	\$	449.18
372	15	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
373	20.5	0.5	\$	16.00	\$	2.08	\$	18.08	\$	79.50	\$	10.34	\$	89.84
374	19.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
375	14	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
376	24	4	\$	128.00	\$	16.64	\$	144.64	\$	636.00	\$	82.68	\$	718.68
377	37	17	\$	544.00	\$	70.72	\$	614.72	\$	2,703.00	\$	351.39	\$	3,054.39
378	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
379	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
380	34	14	\$	448.00	\$	58.24	\$	506.24	\$	2,226.00	\$	289.38	\$	2,515.38
381	36	16	\$	512.00	\$	66.56	\$	578.56	\$	2,544.00	\$	330.72	\$	2,874.72
382	13	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
383	25	5	\$	160.00	\$	20.80	\$	180.80	\$	795.00	\$	103.35	\$	898.35
384	10.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
385	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
386	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
387	35	15	\$	480.00	\$	62.40	\$	542.40	\$	2,385.00	\$	310.05	\$	2,695.05
388	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
389	257	237	\$	7,584.00	\$	985.92	\$	8,569.92	\$	37,683.00	\$	4,898.79	\$	42,581.79
390	51.5	31.5	\$	1,008.00	\$	131.04	\$	1,139.04	\$	5,008.50	\$	651.11	\$	5,659.61
391	64	44	\$	1,408.00	\$	183.04	\$	1,591.04	\$	6,996.00	\$	909.48	\$	7,905.48
392	75	55	\$	1,760.00	\$	228.80	\$	1,988.80	\$	8,745.00	\$	1,136.85	\$	9,881.85
393	212	192	\$	6,144.00	\$	798.72	\$	6,942.72	\$	30,528.00	\$	3,968.64	\$	34,496.64
394	57.5	37.5	\$	1,200.00	\$	156.00	\$	1,356.00	\$	5,962.50	\$	775.13	\$	6,737.63
395	27	7	\$	224.00	\$	29.12	\$	253.12	\$	1,113.00	\$	144.69	\$	1,257.69
396	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
397	31	11	\$	352.00	\$	45.76	\$	397.76	\$	1,749.00	\$	227.37	\$	1,976.37
398	337	317	\$	10,144.00	\$	1,318.72	\$	11,462.72	\$	50,403.00	\$	6,552.39	\$	56,955.39
399	18.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
400	59.5	39.5	\$	1,264.00	\$	164.32	\$	1,428.32	\$	6,280.50	\$	816.47	\$	7,096.97
401	27	7	\$	224.00	\$	29.12	\$	253.12	\$	1,113.00	\$	144.69	\$	1,257.69
402	43	23	\$	736.00	\$	95.68	\$	831.68	\$	3,657.00	\$	475.41	\$	4,132.41
403	38	18	\$	576.00	\$	74.88	\$	650.88	\$	2,862.00	\$	372.06	\$	3,234.06
404	61	41	\$	1,312.00	\$	170.56	\$	1,482.56	\$	6,519.00	\$	847.47	\$	7,366.47
405	145	125	\$	4,000.00	\$	520.00	\$	4,520.00	\$	19,875.00	\$	2,583.75	\$	22,458.75
406	154	134	\$	4,288.00	\$	557.44	\$	4,845.44	\$	21,306.00	\$	2,769.78	\$	24,075.78
407	305	285	\$	9,120.00	\$	1,185.60	\$	10,305.60	\$	45,315.00	\$	5,890.95	\$	51,205.95
408	14.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
409	47	27	\$	864.00	\$	112.32	\$	976.32	\$	4,293.00	\$	558.09	\$	4,851.09
410	27	7	\$	224.00	\$	29.12	\$	253.12	\$	1,113.00	\$	144.69	\$	1,257.69
411	32	12	\$	384.00	\$	49.92	\$	433.92	\$	1,908.00	\$	248.04	\$	2,156.04
412	31	11	\$	352.00	\$	45.76	\$	397.76	\$	1,749.00	\$	227.37	\$	1,976.37

413	73	53	\$	1,696.00	\$	220.48	\$	1,916.48	\$	8,427.00	\$	1,095.51	\$	9,522.51
414	38	18	\$	576.00	\$	74.88	\$	650.88	\$	2,862.00	\$	372.06	\$	3,234.06
415	52	32	\$	1,024.00	\$	133.12	\$	1,157.12	\$	5,088.00	\$	661.44	\$	5,749.44
416	8	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
417	58	38	\$	1,216.00	\$	158.08	\$	1,374.08	\$	6,042.00	\$	785.46	\$	6,827.46
418	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
419	51.5	31.5	\$	1,008.00	\$	131.04	\$	1,139.04	\$	5,008.50	\$	651.11	\$	5,659.61
420	44	24	\$	768.00	\$	99.84	\$	867.84	\$	3,816.00	\$	496.08	\$	4,312.08
421	30.5	10.5	\$	336.00	\$	43.68	\$	379.68	\$	1,669.50	\$	217.04	\$	1,886.54
422	350	330	\$	10,560.00	\$	1,372.80	\$	11,932.80	\$	52,470.00	\$	6,821.10	\$	59,291.10
423	24	4	\$	128.00	\$	16.64	\$	144.64	\$	636.00	\$	82.68	\$	718.68
424	29	9	\$	288.00	\$	37.44	\$	325.44	\$	1,431.00	\$	186.03	\$	1,617.03
425	18	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
426	17	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
427	29	9	\$	288.00	\$	37.44	\$	325.44	\$	1,431.00	\$	186.03	\$	1,617.03
428	52	32	\$	1,024.00	\$	133.12	\$	1,157.12	\$	5,088.00	\$	661.44	\$	5,749.44
429	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
430	29	9	\$	288.00	\$	37.44	\$	325.44	\$	1,431.00	\$	186.03	\$	1,617.03
431	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01
432	21	1	\$	32.00	\$	4.16	\$	36.16	\$	159.00	\$	20.67	\$	179.67
433	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
434	19	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
435	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
436	19.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
437	13.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
438	52	32	\$	1,024.00	\$	133.12	\$	1,157.12	\$	5,088.00	\$	661.44	\$	5,749.44
439	13.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
440	7	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
441	2	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
442	3	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
443	3	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
444	9.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
445	20	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
446	22	2	\$	64.00	\$	8.32	\$	72.32	\$	318.00	\$	41.34	\$	359.34
447	14	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
448	23.5	3.5	\$	112.00	\$	14.56	\$	126.56	\$	556.50	\$	72.35	\$	628.85
449	15.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
450	16	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
451	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
452	11	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
453	6.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
454	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
455	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
456	9	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
457	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
458	8.5	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

459	12	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	
460	9	0	\$	-	\$	-	\$	-	\$	-	\$	-	\$	
461	23	3	\$	96.00	\$	12.48	\$	108.48	\$	477.00	\$	62.01	\$	539.01

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Preamble:

EBO 188 Appendix B Guidelines state:

2. STANDARD TEST FOR FINANCIAL FEASIBILITY

The standard test for determining the financial feasibility at both the project and the portfolio level will be a DCF analysis, as set out below.

2.1 DCF Calculation and Common Elements

...

For capital costs, the common elements will be as follows:

- a) an estimate of all costs directly associated with the attachment of the forecast customer additions, including costs of distribution mains, services, customer stations, distribution stations, land and land rights;
- b) an estimate of incremental overheads applicable to distribution expansion at the portfolio level; and
- c) an estimate of the normalized system reinforcement costs.

Question(s):

- a) Please provide a table showing for each year and as a total: (i) the incremental overheads and (ii) the normalized system reinforcement costs.
- b) Please reproduce the DCF table with rows breaking out the incremental capital costs as between direct costs, incremental overheads, and normalized system reinforcement costs. If any of those costs are not included, please reproduce the DCF table including those costs.

- c) If Enbridge did not include normalized system reinforcement cost, please fully explain why that is justified. Please refer to and attach and supporting documents.
- d) Please provide maps showing the upstream pipelines in Ontario that feed the pipelines in the project area.
- e) Please provide tables showing the forecast design day and design hour demand forecast to arise from all community expansion projects. Please include each individual project and the totals. Please also include the totals for those projects fed by the Dawn Parkway system.
- f) Please provide a table of all planned reinforcements to the Dawn Parkway system in Enbridge's 10-year capital planning process with columns for (i) the anticipated cost, (ii) the expected in-service date, and (iii) the incremental capacity achieved by the project. For each of the project, please provide a table showing the (i) design demand, (ii) supply, and (iii) forecast deficit for the five years before and after the expected in-service date.
- g) Please provide excerpts of any OEB or Ministry of Energy guidance documents that describe whether Enbridge is required to follow EBO 188 guidelines with respect to community expansion projects.
- h) Please provide excerpts of any OEB or Ministry of Energy guidance documents that explicitly state the Enbridge is not required to include normalized reinforcement costs in calculating cost-effectiveness for community expansion project.

Response:

a – c) and h)

Please see the response at Exhibit I.ED-20 including Attachment 1. Normalized system reinforcement costs (NSRC) are not applicable to community expansion projects and all reinforcement costs associated with the Project are directly applied in the DCF analysis for the Project. The cost of reinforcement required for community expansion projects are separate to, and not included within, calculations of NSRC. Therefore, it would not be appropriate to apply NSRC to the Project.

- d) Please see Attachment 1 to this response for a map including all existing and upstream mains within the Project area, colour coded by pressure.
- e) Please see the response to Exhibit I.ED-5 part a) for the design capacity and forecasted design hour demand for each respective section of the Project. Enbridge Gas respectfully declines to provide the values requested in the interrogatory for all community expansion projects as the request is considered out of scope based on

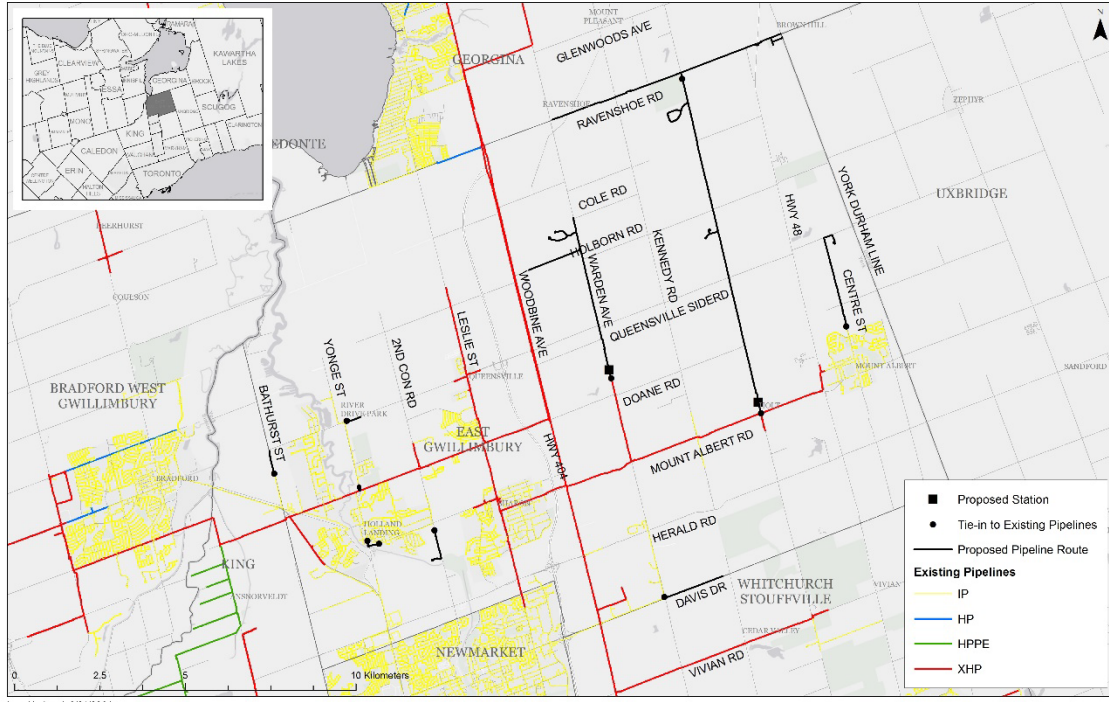
the fact that each project is modelled individually and are not physically connected to the same pipeline networks. The information sought requires an onerous task that does not enhance the understanding of the East Gwillimbury Project.

- f) The Company respectfully declines to provide the Dawn Parkway system information requested in the interrogatory as the Dawn Parkway system is out of scope for the East Gwillimbury application. Under standard design conditions all natural gas for the Project is supplied via TCE sources.
- g) The following is an excerpt from Rider I related to SES that was approved by the OEB as part of the rate order in EB- 2020-0094:

“The Company may apply the SES for a term of up to 40 years, to be determined in accordance with the Company’s feasibility policy.”

In assessing the feasibility of community expansion projects, Enbridge follows the guidelines of E.B.O. 188 in conjunction with other OEB decisions including EB-2016-0004, and EB-2020-0094.

East Gwillimbury Community Expansion Project



ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) For this project, what is the forecast average all-in cost to connect a new residential customer to the gas system, including the cost of the meter, regulator, the pipe serving that specific customer, and the installation costs? Please differentiate between conversions and new build customers if possible.
- b) Please provide a table showing, for each year, the forecast customer attachments, the estimated average cost to attach a customer (e.g., the meter, the pipe serving that customer only, labour, etc.), the estimated cost that will be covered by rates, and the estimated cost that will be covered by the customers directly.
- c) Please reproduce the DCF table with a row showing the customer attachment costs (i.e., the meter, the pipe serving that customer only, labour, etc.) for each year broken out from other costs. If those costs are not included, please reproduce the DCF table including those costs.
- d) What are the average incremental operational costs for Enbridge per average residential customer (e.g., billing, etc.). Please provide a breakdown of these costs.
- e) Are the costs in (c) included in the DCF table?

Response:

- a) There are several factors that influence the cost of servicing that can result in significant variability between projects. These factors include but are not limited to: site specific ground conditions (e.g., presence of rock), land parcel and building configuration, service length, location and depth of the connecting main (for tie in), and customer type (design varies based on connected load).

Project specific service estimates are prepared for each community expansion project based on measured average service lengths, general sizing for the project and site conditions. These project-specific estimates more accurately reflect the cost of servicing in the proposed project area, which may differ from the Company's regional averages (established across a broader geographic location).

The estimated average all-in service cost for the Project is \$6,646 per customer.¹ Enbridge Gas does not have average all-in costs specific to new residential customers within the Project area.

- b) Please see Table 1 below for information regarding forecast customer attachments and estimated costs to attach customers by year. Enbridge Gas is not able to provide the estimated cost to attach customers by the amount that would be covered by rates and the amount that would be covered by customers directly. Enbridge Gas is not able to provide those amounts as they are not reasonably attributable to the specific costs to attach a customer (e.g., the meter, the pipe serving that customer only) versus the costs for other components of the Project (e.g., mains, stations) and are attributed to the Project in its entirety.

For example, customers who attach to the natural gas system as part of the Project will be charged a System Expansion Surcharge which is not attributable to the costs to attach the customer versus the cost for other components of the project. Similarly, NGEF funding is also not attributable in this manner.

Table 1
Service Cost for Residential Customers

Line No.	Description	Year										
		1	2	3	4	5	6	7	8	9	10	Total
1.0	Forecasted attachment	60	36	36	23	23	12	12	12	12	12	238
2.1	Average service cost/customer (\$CAD)	6,646	6,646	6,646	6,646	6,646	6,646	6,646	6,646	6,646	6,646	6,646

¹ This figure includes residential and commercial customer connection costs.

2.2	Average excess footage charge/customer (\$CAD)	(660)	(660)	(660)	(660)	(660)	(660)	(660)	(660)	(660)	(660)	(660)
2.3	Average net service cost/customer (\$CAD)	5,985	5,985	5,985	5,985	5,985	5,985	5,985	5,985	5,985	5,985	5,985
2.4	Estimated total net service cost (\$CAD)	359,121	215,473	215,473	137,663	137,663	71,824	71,824	71,824	71,824	71,824	1,424,514

Notes:

Row 1.0 represents the forecasted residential customer attachments per year.
 Row 2.1 represents the average base capital cost per customer to install a service for the Project.
 Row 2.2 represents the average excess footage charge per customer for the Project (paid by customers). The excess footage charge is \$152/m after the first 20 m from the property line.
 Row 2.3 represents the average net base capital cost per customer to install a service for the Project.
 Row 2.4 represents the total net base capital cost for service installations for the forecasted customer attachment in the given year.

c) Please see Attachment 1 to the response at Exhibit I.ED-20.

d) The annual average incremental operational costs per average residential customer is shown in Table 2.

Table 2
Annual Average Incremental Operational Costs

Line No.	Item	O&M Cost
1	Distribution Operations	\$18.25
2	Customer Care	\$52.03
3	Employee Benefits	\$6.62
4	Average Total O&M Cost per Residential Customer	\$76.91

e) Yes.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) What is the forecast average all-in cost to connect a new residential customer to the gas system, including the cost of the meter, regulator, the pipe serving that specific customer, and the installation costs? Please differentiate between conversions and new build customers if possible. Please provide figures for Enbridge as a whole, the Enbridge rate zones, and the Union rate zones, as available. Please also include a breakdown between direct costs, incremental overheads, and normalized system reinforcement costs.
- b) How much up-front capital can the revenue from an individual customer support while maintaining a PI of 1.

Response:

- a) The estimated average all-in service cost for the East Gwillimbury Community Expansion Project is \$6,646 per customer.¹ Enbridge Gas does not have average all-in costs specific to new build or conversion customers within the Project area. Please see the response to Exhibit I.ED-23 part a).

The average cost to connect a home to the natural gas system in the EGD rate zone² is \$5,673. The data to determine the cost to connect a home to the gas system in the Union rate zone is not available, however the average cost to connect a customer for the Union rate zone³ is \$8,097.⁴

¹ This figure includes residential and commercial customer connection costs.

² The average cost to connect a home in the EGD rate zone includes the weighted average cost of both new construction and existing homes and is based on the 2024 forecast revenues and costs.

³ The average cost to connect a customer in the Union rate zone is the average cost of all types of customers including residential, commercial, apartments and industrial and is based on the 2024 forecast revenues and costs.

⁴ EB-2022-0200, Exhibit JT3.11.

Regarding the requested breakdown between direct costs, incremental overheads and normalized system reinforcement costs, please see the response to Exhibit I.ED-20 including Attachment 1.

- b) For the Project, the upfront capital that can be supported by an individual customer is \$17,589. This number is derived by dividing the net capital cost (\$4,625,889) by total forecast customers (263).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) Please provide a table showing the full calculations and assumptions used to generate the revenue forecast from the customer attachment forecast. Please include, among other things, the annual customer attachments, annual customer totals, the use per customer, and the revenue generated per customer.
- b) If the customer attachment forecast underlying the DCF table differs from the one set out in Exhibit B, Tab 1, Schedule 1, Page 7, please explain and provide a reconciliation table.
- c) Does Enbridge agree that the number of customer attachments could be impacted by the relative cost-effectiveness of converting to gas versus converting to high-efficiency cold climate air source heat pumps? If not, please explain.
- d) Does Enbridge agree that the number of customer attachments could be impacted by customer perceptions of the relative cost-effectiveness of converting to gas versus converting to high-efficiency cold climate air source heat pumps? If not, please explain.
- e) Please explain the basis for all of the average use assumptions underlying the revenue forecast.
- f) Please provide the full underlying assumptions and calculations used to determine the average use figures for customers in this area.
- g) Please provide actual average use figures for the closest area to the project that Enbridge has data for.
- h) If average use figures are higher than the actual use for Enbridge customers overall, please explain.

- i) Please provide average use figures for Enbridge customers generally and for the applicable rate zone.
- j) As a condition of approval, is Enbridge willing to bear all of the risk that the actual average use of customers in this project is lower than forecast?
- k) Please provide an actual copy of the spreadsheets, memos, and other documentation used internally by Enbridge to forecast the average use estimates.
- l) Please provide a copy of the DCF table on the assumption that average consumption for newly connecting residential customers is the same as the overall averages for Enbridge customers.
- m) Please provide a table showing the variance in (i) SES revenue over 40 years and (ii) other revenue over 40 years if the average use per customer equal to the current overall average use for Enbridge customers.
- n) Please provide the NPV of the response to (m).

Response:

- a) Please see Attachment 1 to this response.
- b) The customer attachment forecast underlying the DCF table is consistent with the table provided in Enbridge Gas's evidence update filed on August 30, 2024 set out in Exhibit B, Tab 1, Schedule 1, page 7, Table 2.
- c – d)

No. The attachment forecast is based on the energy interests expressed by actual residents and business-owners within the Project area, which intrinsically incorporate all factors including financial and non-financial considerations. Enbridge Gas believes that the updated attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased ELC. The Company has no reason to believe that the attachment forecast is inaccurate.

- e - f)

Typically, the average use for residential customers is estimated based on historical averages by dwelling type (e.g., single, semi-detached, townhouse), and characteristics such as square footage and number/type of equipment information are considered when available. There is no single, standard calculation methodology that applies in all circumstances. The average use estimation for non-residential (commercial/industrial) customers is made using various methods including historical

knowledge of type of business, and potential connected load (where available) derived from field verification.

- g) Enbridge Gas respectfully declines to provide the requested information as each community is unique and it is not appropriate or valuable to compare communities in this regard. The requested information could only be used to draw oversimplified and inaccurate conclusion
- h) The weighted average residential use for East Gwillimbury of 2,435 m³/yr as set out in Attachment 1 to this response is on par with the typical consumption for a residential customer in Rate 1 of 2,400m³/yr.
- i) Typical consumption for a residential customer in Rate 1 is 2,400m³/yr. The EGD rate zone average use is approximately 4,200 m³/year (inclusive of all customer types, sectors and rate classes). The overall Enbridge Gas average use is approximately 4,000 m³/yr (inclusive of all customer types, sectors and rate classes).
- j) No. Please see response at Exhibit I.ED-42 for more detail.
- k) Please see Attachment 1 to this response for data used to categorize potential customers based on typical Residential Rates.
- l) Please see Attachment 2 to this response.
- m-n) Please see Table 1 below:

Table 1

East Gwillimbury			
Community Expansion Project Revenue over 40 Years			
	Based on the average use for a typical EGD residential customer	As per LTC filing with specific average use for East Gwillimbury	Variance
SES Revenue	\$8,292,874	\$8,360,586	-0.8%
Distribution Revenue	\$6,166,648	\$6,190,974	-0.4%
NPV of SES Revenue	\$3,508,070	\$3,530,775	-0.6%
NPV of Distribution Revenue	\$2,365,786	\$2,373,939	-0.3%

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Please see Exhibit I.ED-25_Attachment 1.xlsx on the OEB's RDS.

This page is intentionally left blank. Due to size, this Attachment has not been included.

Please see Exhibit I.ED-25_Attachment 2.xlsx on the OEB's RDS.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) Please describe all studies and analysis that Enbridge has undertaken to determine the likelihood of residential customers switching from gas to electric heat pumps before the end of the 40-year revenue horizon (if any). Please file any studies or assessments that were undertaken.
- b) Please confirm that customers with propane furnaces that attach to Enbridge's system will be able to convert their existing furnaces to burn methane gas without replacing those furnaces?
- c) What is the estimate average age of propane furnaces for Enbridge customers in the expansion area? Please base the average on the best available information, including the Innovative Research Group survey results, and confirm whether the answer has added three years to the average life to reflect the passage of three years since the survey was conducted.
- d) If a customer with a propane furnace converts it to methane gas to connect to Enbridge's system, please confirm that they could subsequently switch away from Enbridge's system in favour of an electric heat pump when their furnace reaches the end of its life.

Response:

- a) Enbridge Gas is not aware of, nor has it undertaken the requested analysis. The market survey results provided at Exhibit B, Tab 1, Schedule 1, Attachment 4 are currently the best available information regarding potential customers' energy preferences in the Project area. Customers are able to choose from all available energy sources the mix of energy that works best to meet their specific needs. A

customer that is considering an electric heat pump may also choose to retain their furnace as a backup to supplement their electric heating equipment.

- b) In the vast majority of cases the answer is yes. The conversion of a furnace from propane to natural gas does not typically require an entirely new furnace. Customers should consult with a licensed HVAC contractor to confirm if their particular furnace is a good candidate for conversion. Typically, the only limiting factor would be the age of the furnace and if parts are readily available. In most cases furnaces 10 years of age or newer are good candidates for conversions.
- c) Enbridge Gas interprets the request as pertaining to prospective customers in the East Gwillimbury Project area and not existing Enbridge Gas customers. The average age of propane systems used as the primary heating source was 7.18 years when measured by the Forum survey between May 23, 2023, and June 23, 2023. For the purpose of calculating the average, responses of “less than one year old” were counted as 1.
- d) Confirmed.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) How will Enbridge track and report on variances in average use, and potential revenue shortfalls arising therefrom over time, and who will bear those risks as between the shareholder and ratepayer in light of the average use variance account?
- b) With respect to the revenue generated in the first 10 years, does Enbridge or do ratepayers bear the risk of average use being lower than forecast? Please explain. Please describe how the average use variance account is relevant to this question.
- c) With respect to the revenue generated in the final 30 years, does Enbridge or do ratepayers bear the risk of average use being lower than forecast? Please explain. Please describe how the average use variance account is relevant to this question.

Response:

- a – c)
Please see the response at Exhibit I.ED-42.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) Please provide Enbridge's best estimate of the relative cost-effectiveness of an average customer in the project area converting to an air-source cold climate heat pump versus gas. Please generate (i) the lifetime difference in total capital costs and operational costs (NPV) based on customer prices over the equipment lifetime and (ii) the difference in average annual operational costs over the equipment lifetime. Please include all material customer-facing costs and benefits, including energy costs, carbon costs, the Greener Homes Grant incentives for heat pumps, and the gains from more efficient summer cooling of an air source heat pump versus a traditional air conditioner. Please provide all calculations and assumptions. Please make assumptions and state caveats as necessary.
- b) Please re-run the cost comparison spreadsheet underlying (a) with the following assumptions:
 - i. Customer-facing gas and electricity prices for the project area are based on either: (A) the average price over the past 12 months inflated by 2% annually going forward or (B) the current prices inflated by 2% annually going forward;
 - ii. A carbon price forecast consistent with the IESO 2050 Pathways to Decarbonization Report, namely: that the carbon price "[c]ontinues rising by \$15/tonne from 2030-2035, and thereafter increases with the rate of inflation."
 - iii. The installed cost and performance (COP/HSPF & SEER) of the cold climate air source heat pump is based on the Moovair Central heat pumps;¹
 - iv. The average SEER of an air conditioner is 13 (per EB-2021-0002, Exhibit I.10h.STAFF77);
 - v. Two scenarios for water heating: (A) the customer keeps their existing electric water heater and (B) the customer purchases a Rheem hybrid high-efficiency heat pump water heater;
 - vi. The customer's air conditioner is at 50% of its useful lifetime and its future replacement costs are avoided if the customer installs a heat pump; and

¹ The specs for the Moovair central can be found here: <https://moovair.ca/central-moov-2022/>.

- vii. The customer will incur the average Extra Length Charge if they switch to gas.
- c) Fall each scenario, please provide the lifetime NPV and the first-year annual operating costs for both options.
- d) Please provide the live spreadsheets containing these calculations.
- e) Please confirm that Moovair is a heat pump developed and sold by The Master Group, which is the largest independent HVAC-R distributor in Canada.² [To explain why we suggest using that model as a concrete example.]
- f) Do the average-use figures assumed in Enbridge's revenue forecast correspond to customers with gas for space heating only or also gas for other uses, such as water heating?
- g) Please confirm that there are over 430 models of centrally-ducted heat pumps on the Greener Homes Grant eligible equipment list with an HSPF (Region 5) of 10 or higher and that the top-rated Carrier 3-ton units have an HSPF (Region 5) of 11.3.
- h) Please confirm that there are over 270 models of centrally-ducted heat pumps rated for 30,000 BTUs or higher on the Greener Homes Grant eligible equipment list with an HSPF (Region 5) of 10 or higher.
- i) Please provide the conversion rate between region 4 and 5 HSPF figures and between HSPF and COP.
- j) Please provide a table for the duration of the customer attachment horizon with rows for:
- i. The number of forecast attachments;
 - ii. The average capital cost per attachment (e.g., dedicated service line and meter);
 - iii. The amount of the attachment costs in (ii) covered by rates on average;
 - iv. The amount of the attachment costs in (ii) covered by the customer on average;
 - v. The total attachment costs (dedicated service line and meter) for each year; and
 - vi. A reconciliation of (v) with the incremental capital figures in the DCF table in E-1-1 Attachment 2.

Response:

- a) The Company does not have information regarding annual fuel costs and/or customer lifetime cost-effectiveness for electric heat pumps, specific to the homes in the Project area. However, in Q1 2023 the Company engaged Guidehouse Inc. (Guidehouse) to provide an assessment of the annual operating costs of high-efficiency electric cold climate air source heat pumps (ccASHP) within four Ontario

² <https://moovair.ca/why-moovair/>

climates (Windsor, Toronto, Ottawa, and Thunder Bay) at three peak winter design loads (2.5 tons, 4 tons, and 5 tons). The Guidehouse report can be found at Attachment 1 to this response. The spreadsheet model referenced on page 1 of the Guidehouse report is provided as a live Excel document at Attachment 2 to this response.

It is important to note that the scope of the Guidehouse report consisted of an assessment of annual operating costs and did not include an assessment of upfront capital costs which are required to conduct a customer lifetime cost-effectiveness analysis of converting a home to a high-efficiency electric ccASHP configuration.

Assessing the upfront costs required to convert a home to a high-efficiency electric ccASHP configuration requires consideration of several factors, which results in a more complex analysis than assessing the upfront costs required to convert a home to a natural gas furnace configuration. For example, in addition to the cost of the heat pump itself, a home could also require electrical panel upgrades, exterior service upgrades from the electric utility, internal wiring upgrades, duct work improvements, etc. Enbridge Gas understands that there is a wide range of potential upfront costs depending on the existing configuration of the home itself. For this reason, the Company is not able to provide an average upfront cost, which would be required to develop an average customer lifetime cost-effectiveness analysis. Any attempt to do so would result in an oversimplification of the conversion costs and would not necessarily be representative of the actual conversion costs for specific homes in the Project area.

In May 2023, the Company requested low-end and high-end upfront cost estimates from HVAC contractors for conversions to both high-efficiency electric ccASHP configurations and natural gas furnace configurations. The request for information from Enbridge Gas to HVAC contractors can be found at Attachment 3 to this response. Five HVAC contractors responded to Enbridge Gas's request, each providing low-end and high-end upfront cost estimates. A summary of the responses from HVAC contractors can be found at Attachment 4 to this response. The overall low-end and high-end results based on the information from HVAC contractors are provided in Table 1. Enbridge Gas cautions that the results are meant to be illustrative and that more refined research would be required to establish robust estimates/assumptions.

Table 1
Upfront Costs

	Low-end Upfront Cost (a)	High-end Upfront Cost (b)
Conversion to Natural Gas Furnace Configuration	\$3,890	\$11,500
	Low-end Upfront Cost (c)	High-end Upfront Cost (d)
Conversion to High-Efficiency Electric ccASHP Configuration	\$11,400	\$50,500

The Canada Greener Homes Grant program delivered by Enbridge Gas has been closed to new applicants effective February 5, 2024.³ It is the Company's understanding that NRCan has indicated there will be a new program for low- and moderate-income households. However, the Company does not have any details about this potential new program at this time and therefore, no federal grant has been included in the analysis.

It should be noted that there is not necessarily a correlation between the upfront costs for conversions to high-efficiency electric ccASHP configurations and conversions to natural gas furnace configurations. More specifically, a home may require upfront costs to convert to a natural gas furnace configuration that is on the low-end of costs for that configuration, whereas that same home may require upfront costs to convert to a high-efficiency electric ccASHP that is on the high-end of costs for that configuration – and vice versa. For example, a home may not require any additional costs beyond the natural gas furnace itself to convert to a natural gas furnace configuration, whereas that same home may require additional costs beyond the electric heat pump to convert to a high-efficiency electric ccASHP (such as electrical panel upgrades, exterior service upgrades from the electric utility, internal wiring upgrades, duct work improvements, etc.). For this reason, a more accurate approach to assessing a home's potential range of upfront conversion costs would be to compare the low-end and high-end upfront costs of each configuration to each other (rather than comparing the low-end upfront cost of each configuration to each other, and the high-end upfront cost of each configuration to each other).

Using the figures in Table 1 above, Table 2 below provides the upfront cost comparison between (i) the low-end upfront cost of conversion to a high-efficiency electric ccASHP configuration compared to the high-end upfront cost of conversion

³ All consumers who have entered the program before this cut-off date will be given the opportunity to complete the program according to the terms and conditions. The Contribution Agreement with Enbridge Gas and NRCan remains in effect for the full term.

to a natural gas furnace configuration, and (ii) the high-end upfront cost of conversion to a high-efficiency electric ccASHP configuration compared to the low-end upfront cost of conversion to a natural gas furnace configuration.

Table 2
Upfront Cost Comparison

	Low-end Upfront Cost ($e = c - b$)	High-end Upfront Cost ($f = d - a$)
Conversion to High-Efficiency Electric ccASHP Configuration vs. Conversion to Natural Gas Furnace Configuration	-\$100	\$46,610

A negative figure in Table 2 above means the upfront cost for conversion to a high-efficiency electric ccASHP configuration is lower than the upfront cost for conversion to a natural gas furnace configuration. A positive figure means the upfront cost for conversion to a high-efficiency electric ccASHP configuration is higher than the upfront cost for conversion to a natural gas furnace configuration.

To provide ranges for the customer lifetime cost-effectiveness of converting a home to a high-efficiency electric ccASHP configuration compared to a natural gas furnace configuration, Enbridge Gas combined the upfront cost information in Table 2 with the annual operational cost information from the Guidehouse study. The following 12 scenarios were assessed.

- Toronto, low-end upfront cost, 2.5 ton
- Toronto, low-end upfront cost, 4 ton
- Toronto, low-end upfront cost, 5 ton

- Toronto, high-end upfront cost, 2.5 ton
- Toronto, high-end upfront cost, 4 ton
- Toronto, high-end upfront cost, 5 ton

- Ottawa, low-end upfront cost, 2.5 ton
- Ottawa, low-end upfront cost, 4 ton
- Ottawa, low-end upfront cost, 5 ton

- Ottawa, high-end upfront cost, 2.5 ton
- Ottawa, high-end upfront cost, 4 ton
- Ottawa, high-end upfront cost, 5 ton

Please see Attachment 5 for details regarding the natural gas costs (including carbon costs) used in the assessment, provided as an Excel document with formulae intact. The natural gas costs used in the assessment are based on April 2023 QRAM for Rate 1 including SES. The carbon costs reflect the Federal Carbon Charge escalating to \$170/tCO_{2e} by 2030.⁴ The electricity costs used in the assessment are consistent with the approach described in response to Exhibit I.ED-1 parts c) – d) (i.e., 0.1133 \$/kWh).

It is important to note that the energy costs used in the analysis are a snapshot in time and thus may not be reflective of consumer expectations for long-term energy prices. For example, natural gas commodity prices experienced a significant short-term increase in 2022 due to various factors including geo-political conflicts and COVID-19 pandemic-related economic impacts. Such factors impacting the volatility and increase in natural gas prices observed in 2022 are considered to be unique and commodity prices are already stabilizing and declining relative to 2022.

See Table 3 for the customer lifetime cost-effectiveness of high-efficiency electric ccASHP configurations when compared to natural gas furnace configurations, based on the information described above. Please see Attachment 6 for the calculations underlying the figures in Table 3, provided as an Excel document with formulae intact.⁵

Table 3

Customer Lifetime Cost-Effectiveness of High-Efficiency Electric ccASHP Configurations when compared to Natural Gas Furnace Configurations⁶

Scenario	Customer Lifetime Cost-Effectiveness (Low-End Upfront Cost)	Customer Lifetime Cost-Effectiveness (High-End Upfront Cost)
Toronto, 2.5 ton	\$7,087	-\$39,623
Toronto, 4 ton	\$11,296	-\$35,441
Toronto, 5 ton	\$14,059	-\$32,651
Ottawa, 2.5 ton	\$7,674	-\$39,036
Ottawa, 4 ton	\$12,204	-\$34,506
Ottawa, 5 ton	\$15,219	-\$31,491

A positive figure in Table 3 above means the customer lifetime cost-effectiveness for conversion to a high-efficiency electric ccASHP configuration is more favourable when compared to conversion to a natural gas furnace configuration. A negative

⁴ <https://www.enbridgegas.com/en/residential/my-account/rates/federal-carbon-charge>

⁵ Annual operational cost savings figures are not formulaic as they are outputs from the spreadsheet model.

⁶ A 4% discount rate was used for the lifetime analysis.

figure means the customer lifetime cost-effectiveness for conversion to a high-efficiency electric ccASHP configuration is less favourable when compared to conversion to a natural gas furnace configuration.

Based on the information in Table 3 above, conversion to a high-efficiency electric ccASHP configuration could be more cost-effective for space heating for some homeowners when compared to a conversion to a natural gas furnace configuration, whereas for other homeowners the natural gas solution would be more cost-effective.

Please note that the analysis does not consider water heating components which, if customers chose all-electric configurations, would require additional considerations (i.e., a comparison of upfront and operational costs for electric water heating solutions compared to natural gas water heating solutions).

Additionally, Enbridge Gas does not have information regarding high-efficiency electric ccASHPs with respect to summer space cooling. It should be noted that the inclusion of electric summer cooling to the cost-effectiveness analysis is complex as it would not only require a technical assessment of the performance efficiencies of electric summer cooling equipment types but also an assessment of the impact that electric heat pumps have on consumer energy bills for those consumers who would not opt for traditional electric summer cooling equipment with a natural gas furnace. Said differently, a home with a high-efficiency electric ccASHP configuration would have higher summer electricity cooling costs (i.e., higher energy costs) when compared to a home with a natural gas furnace configuration without air conditioning.

Notwithstanding cost-effectiveness analyses related to any energy solution (natural gas, electric heat pumps, or otherwise) Enbridge Gas submits that it is critical to assess the energy solution interests of actual residents and business-owners within the Project area. The Company cautions against relying on theoretical cost-effectiveness analyses as a solitary basis for determining consumer energy interests. Rather, the interests expressed by actual consumers within a particular Project area/community are directly reflective of those consumers' preferences and energy decisions as they inherently encompass all relevant factors, including financial and non-financial considerations.

- b)
 - i. Enbridge Gas respectfully declines to provide the requested adjustments to the Company's analysis. There is no basis for the assumption that natural gas prices will increase annually by 2%. Natural gas prices vary based on several factors including market factors and do not typically escalate annually by a factor of 2%.

- ii. Enbridge Gas respectfully declines to provide the requested adjustments to the Company's analysis. There is no basis for the assumption that carbon prices will escalate annually by \$15/tonne from 2030-2035. Enbridge Gas is not aware of any announced policies indicating such. Enbridge Gas understands the source referenced by ED in the interrogatory to be part of a scenario analysis and not an expectation or forecast of carbon prices.
- iii. Regarding installed costs, Enbridge Gas could not identify installed cost figures within the source referenced by ED in the interrogatory, and as such cannot provide the requested adjustment to the Company's analysis. Regardless, Enbridge Gas cautions against making selective adjustments to the analyses based on information from a single manufacturer/distributor. Enbridge Gas submits that the upfront cost assumptions used in its analysis is more robust, as it relies on information from several HVAC contractors rather than a single manufacturer/distributor.

Regarding performance efficiency assumptions, Enbridge Gas respectfully declines to provide the requested adjustments to the Company's analysis, as it would be based on information from a single manufacturer/distributor. Enbridge Gas cautions against making selective adjustments to the analyses based on information from a single manufacturer/distributor. Enbridge Gas submits that the performance efficiency assumptions used in its analysis are more robust, as they rely on information from a variety of electric heat pump products rather than from a single manufacturer/distributor. To review the list of electric heat pump products incorporated in Enbridge Gas's analysis, please see the "All HP's NEEP Database" tab in Attachment 2 to this response.

- iv. As per the response to part a) above, Enbridge Gas does not have information regarding high-efficiency electric ccASHPs with respect to summer cooling, and the Company's analysis does not include summer cooling considerations. As such, Enbridge Gas is not able to include the requested summer cooling efficiency adjustments to the Company's analysis.
- v. As per the response to part a) above, the Enbridge Gas analysis does not consider water heating components. As such, Enbridge Gas is not able to include the requested water heating efficiency adjustments to the Company's analysis.
- vi. As per the response to part a) above, Enbridge Gas does not have information regarding high-efficiency electric ccASHPs with respect to summer cooling, and the Company's analysis does not include summer cooling considerations. As such, Enbridge Gas is not able to include the requested summer cooling efficiency adjustments to the Company's analysis.

vii. Enbridge Gas respectfully declines to provide the requested adjustments to the Company's analysis. As per the response to part a) above, Enbridge Gas's analysis does not rely on average upfront cost assumptions when comparing the cost to convert a home to a high-efficiency electric ccASHP configuration versus a natural gas furnace configuration. Enbridge Gas understands that there is a wide range of potential upfront costs depending on the existing configuration of the home itself. For this reason, the Company is not able to provide an average upfront cost, and adding an average cost as per ED's interrogatory request would be incongruent with the analysis.

c - d)

Please see the responses to part b) above.

e) The website referenced by ED in the interrogatory claims that the Moovair is developed by the Master Group and that the Master Group is the largest independent distributor of HVAC-R products in the country, however Enbridge Gas has not independently verified the information.

f) The average-use figures assumed in Enbridge Gas's revenue forecast correspond to space heating and other uses, such as water heating.

g) Confirmed. Also please see Exhibit I.ED-33 for more information.

h) Confirmed. Also please see Exhibit I.ED-33 for more information.

i) The HSPF ratings for region 4 can be approximately converted to HSPF ratings for region 5 by dividing the region 4 HSPF by 1.15.

j)

i. Please see Exhibit B, Tab 1, Schedule 1, Table 2.

ii - iv. Please see the response at Exhibit I.ED-23.

v – vi. Please see Attachment 1 to response at Exhibit I.ED.20.



To: Enbridge Gas Inc.
From: Guidehouse
Date: May 19th, 2023

Re: Comparison of heat pump configurations - All-electric (including air source heat pump/electric resistance supplemental) and Hybrid (ASHP/gas furnace backup) performance for space heating in Ontario homes

Introduction

This memo has been prepared by Guidehouse to examine the performance and operational costs of all-electric and hybrid air source pump systems for typical Ontario homes. The presented costs reflect anticipated annual heating utility costs for an average homeowner, which represent the cost of operating the heating equipment only (note actual utility bills may range due to a variety of site-specific factors). Capital costs including equipment first costs, infrastructure upgrade costs within the home, and installation costs are out of scope and not considered in this analysis. The analysis does not represent an all-in lifecycle cost analysis. Given that installation costs are highly dependent on initial conditions and highly variable, the average installation cost is not useful from a policy perspective, as it is not indicative of any actual consumer experience. Four different heat pump configurations have been assessed with three different system sizes across four locations in Ontario. The analysis will assist Enbridge in evaluating the performance trade-offs between all-electric heat pump systems and hybrid heat pump systems backed up with natural gas.

Approach

Heat pump heating performance was calculated using a custom-built spreadsheet tool developed for this analysis. The spreadsheet tool, titled “Enbridge Heat Pump Model” herein referred to as “the spreadsheet model”, has been delivered with this memo and contains additional details regarding the specific calculation methodologies used for this analysis.

Four different heat pump configurations were considered for this analysis:

- Hybrid Heating Heat Pump Coil with Existing Furnace
- Hybrid Heating Heat Pump with New Furnace
- Cold Climate Heat Pump
- Non-Cold Climate Heat Pump

System performance criteria was developed to fully characterize each of the systems including the development of capacity and efficiency performance curves, heat pump efficiencies, and supplemental heating efficiencies. Whole building energy modeling with EnergyPlus was used to model single family residential prototype models and generate hourly heating profiles for four locations across Ontario: Ottawa, Toronto, Windsor, and Thunder Bay. The system performance criteria in conjunction with the heating profiles from the energy model are used within the spreadsheet model to calculate hourly consumption of natural gas and electricity for each of the system configurations. Performance is calculated for each system type and location at three peak winter design loads: 30,000 Btu/hr (2.5 tons), 48,000 Btu/hr (4 tons), and 60,000 Btu/hr.

A baseline scenario with new 95% annual fuel utilization (AFUE) furnace serves as the comparator the heat pump systems are measured against. The following performance metrics are reported:

- Electricity/natural gas consumption
- Peak hourly consumption
- Energy cost/savings
- Greenhouse gas emissions

System Characterization

Heat pump heating performance curves were developed for four heat pump configurations: hybrid heating heat pump coil with existing furnace, hybrid heating heat pump with new furnace, cold climate heat pump with electric resistance backup heating, and a traditional non-cold climate heat pump with electric resistance supplemental heating¹. To define these system configurations and develop the performance curves needed to assess heating system performance, a large database of heat pump equipment and performance values (Northeast Energy Efficiency Partnerships - NEEP 2019 database, which contains more than 5,000 heat pump systems) was used to calculate the average market performance for each of the system configurations. The heat pump criteria used to define each scenario and stratify the NEEP database entries are as follows:

Hybrid Heating Heat Pump Coil with Existing Furnace: AHRI Type HRCU-A-C with centrally ducted configuration. Heat pump maintenance capacity (max 5°F/-15°C capacity divided by rated 47°F/8°C capacity) less than 80% - non cold climate heat pump.

Hybrid Heating Heat Pump with New Furnace: AHRI Type HRCU-A-CB with integrated furnace and centrally ducted configuration. Heat pump maintenance capacity (max 5°F/-15°C capacity divided by rated 47°F/8°C capacity) less than 80% - non cold climate heat pump.

Cold Climate Heat Pump: AHRI Type HRCU-A-CB and HMSV-A-CB AHRI type with centrally ducted configuration and maintenance capacity (max 5°F/-15°C capacity divided by rated 47°F/8°C capacity) greater than 80% - cold climate heat pump.

Non-Cold Climate Heat Pump: AHRI Type HRCU-A-CB and HMSV-A-CB AHRI type with centrally ducted configuration and maintenance capacity (max 5°F/-15°C capacity divided by rated 47°F/8°C capacity) less than 80%.

The supplemental heating system types considered are as follows:

Hybrid Heating Heat Pump Coil with Existing Furnace: Natural gas 90% AFUE.

Hybrid Heating Heat Pump with New Furnace: Natural gas 95% AFUE

Cold Climate Heat Pump: Electrical resistance

Non-Cold Climate Heat Pump: Electrical resistance

Note the hybrid heat pump performance is not the same between the two configurations. Table 1 includes the different performance metrics used for each system configuration, which are based on the market performance from the NEEP database. The coil only heat pumps that are installed with existing furnaces and new hybrid systems where the heat pump is sold integrated with the furnace have different average performances, which are reflected in this analysis.

Performance curves were generated for capacities and efficiencies at maximum and rated conditions (performance reported at 8°C, -8°C, and -15°C) for each of the four heat pump configurations, see the "Curve Data" tab in the spreadsheet model for details. Capacity and efficiency curves in combination with additional input criteria are used to extrapolate system performance metrics at ambient temperatures ranging from 16°C to -34°C (the lowest temperature experienced across the four climate locations). Additional input criteria include sizing ratios, heating load profile, heat pump efficiency, furnace efficiency, capacity, airflow rates, and fan power. In addition to capacity and efficiency curves, a defrost performance curve is also used to account for negative performance impacts attributed to defrost mode during operation below 4°C². The heat pump efficiencies and sizing ratios defined in Table 1 were derived from the NEEP database with the remaining fields reflecting standard performance values.

¹ Supplemental heating refers to heating that occurs in tandem with heat pump heating whereas backup heating refers to a heating source that meets 100% of the heating load without the heat pump running.

² Winkler, Jon. Laboratory Test Report for Fujitsu 12RLS and Mitsubishi FE12NA Mini-Split Heat Pumps.

Table 1: Heat Pump Input Criteria

System Configuration	Heat Pump COP at Rated Capacity at 47°F/8°C ⁽²⁾	Heat Pump COP at Max Capacity at 47°F/8°C ⁽²⁾	Heat Pump Max Capacity Sizing Ratio ¹	Supplemental Efficiency	Fan Power (W/Ton)	Lockout Temp (C°) ⁽³⁾
Hybrid Heating Heat Pump Coil with Existing Furnace	3.4	3.1	1.08	90% AFUE	90	-18
Hybrid Heating Heat Pump Coil with New Furnace	4.0	3.8	1.08	95% AFUE	90	-18
Cold Climate Heat Pump	4.3	4.0	1.17	1 COP	90	-26
Non-Cold Climate Heat Pump	4.0	3.7	1.11	1 COP	90	-18

(1) Modern heat pumps are often variable capacity equipped with variable speed compressors. The rating performance values reflect the performance at rated conditions, but variable speed equipment is capable of modulating capacity beyond the rated values. The “Max” values in Table 1 are performance values achieved when the variable speed compressor is running at maximum speed.

(2) The efficiency values shown in Table 1 are consistent for all load sizes for each of the configurations

(3) The minimum temperature the heat pump can operate before the compressor shuts off

Heat pump controls were modeled based on smart controllers that automatically enable supplemental heating based on available capacity. A dynamic crossover strategy optimized for lowest operational cost is used to produce the results in this analysis where the supplemental heating is engaged when the heat pump heating cannot satisfy the heating load. If smart controllers were not used the temperature at which the hybrid heating systems switch from heat pump heating to furnace heating would be set to a fixed temperature by the HVAC contractor during installation. The most cost-effective switchover temperature will vary depending on utility rates, equipment performance, and load conditions and can vary home by home. HVAC contractors typically don’t have access to the information required to determine the optimal switchover temperature and often use the same conservative (higher) switchover temperature for all homes. This results in longer furnace runtimes and minimizes the potential benefit of the heat pumps.

System Sizing

The results of this analysis include the performance of each heat pump configuration run at three different heating loads, 30,000 Btu/hr (2.5 tons), 48,000 Btu/hr (4 tons), and 60,000 Btu/hr (5 tons). These load sizes reflect low, medium, and large load conditions characterizing the full residential housing stock from small townhouses to large single family detached homes. The Canmet Air-Source Heat Pump Sizing and Selection Guide was used to determine the heating capacity for each heat pump configuration at the different load sizes – 2.5, 4, and 5 tons³. Different sizing guideline options were used for the different system configurations based on the supplemental/backup heating sources and heat pump prioritization.

Canmet guidelines option 4B, which utilizes a balanced heating and cooling approach, was used for the hybrid heating configurations resulting in a nominal heat pump heating capacity estimated at half a ton less than the design load. This analysis uses a simplified approach of a consistent half ton capacity reduction for all the system load sizes rather than changing the capacity reduction relative to load. Heat pump operation is prioritized during mild to moderate heating conditions while natural gas is used as the primary heating source during the coldest periods.

The non-cold climate heat pump configuration utilized sizing option 4C, which has an emphasis on heating. This sizing strategy resulted in a nominal heat pump capacity equal to the heating load. Electric resistance heating will supplement the heat pump with additional heating capacity during periods where the heating load cannot be met with heat pump heating alone.

For the cold climate heat pump configuration option 4D was used which sizes heating capacity based on the heating load at design conditions. This resulted in a nominal heat pump capacity half a ton larger than the heating load to account for the reduced capacity at colder temperatures ensuring nearly the entire heating load is met with heat pump and minimal electric resistance supplemental heating is used.

³ <https://natural-resources.canada.ca/maps-tools-and-publications/tools/modelling-tools/toolkit-for-air-source-heat-pump-sizing-and-selection/23558>

Load Profiles

Whole building energy modeling was performed using the EnergyPlus simulation engine with US Department of Energy single family residential prototype energy models to generate hourly heating load profiles for each of the following weather locations: Toronto, Ottawa, Windsor, and Thunder Bay. These locations capture the range of heating load profiles found throughout Ontario. In order of lowest heating load to highest heating load the four weather locations are organized as follows: Windsor, Toronto, Ottawa, and Thunder Bay. See the “Weather Profiles” tab in the spreadsheet model for heating load profile details. TMYx weather files were used to simulate the energy models for each of the locations. TMYx weather files include hourly data and are based on recent 15-year weather data, which more accurately reflects current and changing weather profiles than traditional TMY weather files made up of 30 plus years of historic weather data.

The heating load profiles are used with the heat pump performance curves to calculate the hourly heating load, available heat pump heating capacity, heat pump heating efficiency, and heat pump supplemental heating coil run times. The peak demand is calculated as the maximum single hour consumption and the annual consumption is the combined total of all the hours of operation.

Utility Costs

Utility costs are based on Enbridge natural gas rates (EGD Rate 1) and Toronto time of use (TOU) electricity rates (as of May 2023), which were used to calculate the operational costs for each system configuration.^{4,5} No assumptions have been made about forward price curves and utility rates for either natural gas or electricity, including increases in carbon costs. Note, utility costs can readily be updated in the “Utility Data” tab in the spreadsheet model to assess the impact of rate changes. While utility costs vary by region, the relative cost difference between electricity and natural gas is similar and regional differences in utility costs have a minimal impact on overall results.

Table 2: Utility Pricing

Electricity			
Electricity TOU Price Periods	Winter (Nov 1- Apr 30)	Summer (May 1 - Oct 31)	Prices (c/kWh)
Off-Peak	Weekdays 7pm-7am, Weekends All Day	Weekdays 7pm-7am, Weekends All Day	10.0
Mid-Peak	Weekdays 11am-5pm	Weekdays 7am-11am and 5pm - 7am	12.8
On-Peak	Weekdays 7am - 11am and 5pm-7pm	Weekdays 11am-5pm	17.8
Natural Gas Rate (\$/m3)			
0.42			

Carbon Emissions

Marginal carbon emission rates for electricity generation are based on the Power Advisory Report “Marginal Greenhouse Gas Emission Factors for Ontario Electricity Generation and Consumption”⁶ and natural gas carbon emission rates are based on the carbon content of the fuel, which is equivalent to 1.93 kg of CO₂e per cubic meter of natural gas.⁷

⁴ https://www.enbridgegas.com/residential/my-account/rates?qad=1&gclid=CjwKCAjwge2iBhBBEiwAfXDDBR8ZtTx-o5AMck7eqhNsGF09TgHkGhWpLhwqPabwVtySQ8WVM95_NHhoCvdsQAvD_BwE

⁵ <https://www.torontohydro.com/for-home/rates>

⁶ http://consortia.myescenter.com/CHP/Power_Advisory_Report_on_Marginal_Emission_Factors_for_Ontario_Electricity_Generation_Oct2020.pdf

⁷ Environment and Climate Change Canada. (2022, April 14). 2022 National Inventory Report 1990-2020: Greenhouse Gas Sources and Sinks in Canada. Part 2. Table A6.1-1 and Table A6.1-3. <https://unfccc.int/documents/461919>

Results

Table 3 through Table 18 show performance summary results including total energy consumption, peak demand, energy cost, and carbon emissions for all four scenarios at each location and for each heating load.⁸

Key Findings

- The cold climate heat pump configuration emits the least CO₂ emissions of all system configurations regardless of location or load size.
- The cold climate heat pump has the best cost performance in Windsor (most mild climate) while the hybrid heating heat pump with new furnace is the cheapest to operate in Toronto, Ottawa, and Thunder Bay.
- Increase in electric peak demand is lower for hybrid heating systems with furnace backup than all electric system configurations with electric resistance supplemental heating.

Natural gas is approximately three times cheaper than electricity on a cost per unit energy basis, however the high efficiency of heat pump systems overcome the fuel pricing disparity resulting in net operational cost saving when using a heat pump in a moderate climate (COP > 3) compared to a furnace. While heat pump heating outperforms a furnace when operating at nameplate efficiencies the physical limitations of heat pump heating yields reduced efficiency and capacity at lower ambient temperatures ultimately requiring a supplemental heating source to satisfy the heating load. Note in Tables 7-18 the cold climate annual COP is often lower than the non-cold climate heat pump option because it spends more time running at lower temperatures with a lower efficiency. In contrast furnace efficiency is not impacted by ambient air temperature and operates at a consistent efficiency.

Between electric resistance (COP of 1) and natural gas furnace backup heating options, the furnace is more cost effective than electric resistance heating. Regions that are subject to extreme cold will experience lower average heat pump efficiencies and rely increasingly on supplemental heating sources compared to systems operating in more moderate climates. This means the system configurations that maximize heat pump operation and minimize electric resistance supplemental heating will have the best cost performance, which is supported in the modeling outputs shown below. The cold climate heat pump is the most cost-effective all electric option and the most cost effective overall for Windsor, the mildest simulated location, where no supplemental electric resistance heating is used. In Windsor both all-electric heat pump configurations can maintain an annual COP greater than 3 and operate at a lower cost than the hybrid configurations. The hybrid heat pump with a high efficiency furnace is the most cost-effective option for all other simulated weather locations - Toronto, Ottawa, and Thunder Bay, which experience colder temperatures and have a higher heating load requiring more supplemental heating resulting in lower average heat pump performance.

Additional Considerations

In addition to thermal performance and operational cost there are several practical issues that must be considered when electrifying existing fossil fuel HVAC systems. Additional infrastructure updates may also be required within the home, and the costs associated with addressing any of these issues can vary widely based on existing conditions and should be considered for all electrification endeavors.

⁸ Costs shown in results tables reflect consumption-based costs and do not include monthly fixed costs. It is assumed that gas and electric service will remain in use at all sites for all system configurations.

Homeowner Considerations

- **Cost & Equipment Life:** First costs for a whole home heat pump system can range from CAD \$10,000-\$20,000⁹. and are typically two to four times as expensive as a conventional furnace. The expected equipment lifetime for heat pumps (15 years) is also shorter than traditional furnaces (20 years).¹⁰
- **Electric service:** The electric service to the home must be able to accommodate the additional load of an all-electric heating system. Many existing homes have 60–100 amp service, which will not be able to support electric heating, especially if other end-uses such as domestic hot water or cooking ranges are also being converted to electric. Upgrading service capacity to 200 amps will typically cost CAD \$3,000-\$5,000 and depending on the home vintage and existing conditions additional wiring upgrades beyond the electric panel may also be necessary.⁹
- **Existing HVAC infrastructure:** It is important to consider the distribution system effects when installing a heat pump with existing ductwork. The duct size, static pressure, duct leakage, duct location (conditioned vs unconditioned) should all be considered during system selection. For example, fossil fuel furnaces traditionally have a higher temperature rise than heat pumps, thus requiring smaller ductwork with less airflow than needed to run a heat pump. If the duct conditions are not properly accounted for the heat pump could have inadequate airflow resulting in thermal comfort and/or maintenance issues.

Utility Considerations

- **Peak demand period:** Typically, electric utilities experience peak demand during summer months driven by HVAC cooling operation. Electric heat pumps in cold climates often have a higher heating capacity than cooling capacity and subsequently have a higher peak demand when operating in heating mode compared to cooling. This can shift the peak demand period from the summer to the winter when fossil fuel heating equipment is replaced with electric heat pumps. Conversely, the installation of new high performance heat pump equipment will likely reduce summer peak demand due to increased equipment efficiency compared to existing cooling equipment.

⁹ <https://www.electricity.ca/knowledge-centre/journal/we-are-so-close-to-affording-zero-carbon-electric-home-heating/>

¹⁰<https://remdb.nrel.gov/about.php>

Table 3 shows the annual peak hourly electric demand (kW) for each system configuration.

Table 3: Max Annual Electric Peak kW (Compressor and Supplemental Heating)

	Max Operational kW (Compressor and Auxiliary)				
	Scenario	Toronto	Ottawa	Windsor	Thunder Bay
New Furnace (Fan Only)	Small 30,000 Btuh (2.5 Tons)	0.2	0.2	0.2	0.2
	Medium 48,000 Btuh (4 Tons)	0.4	0.4	0.4	0.4
	Large 60,000 Btuh (5 Tons)	0.4	0.4	0.4	0.4
Hybrid Heating Heat Pump Coil with Existing Furnace	Small 30,000 Btuh (2.5 Tons)	2.2	2.2	2.2	2.1
	Medium 48,000 Btuh (4 Tons)	3.8	3.6	4.0	3.8
	Large 60,000 Btuh (5 Tons)	4.7	4.6	5.0	4.1
Hybrid Heating Heat Pump Coil with New Furnace	Small 30,000 Btuh (2.5 Tons)	2.4	2.4	2.4	1.6
	Medium 48,000 Btuh (4 Tons)	4.0	3.2	4.2	4.0
	Large 60,000 Btuh (5 Tons)	4.1	4.0	5.2	3.3
Cold Climate Heat Pump	Small 30,000 Btuh (2.5 Tons)	4.4	8.6	3.7	8.6
	Medium 48,000 Btuh (4 Tons)	7.2	13.7	6.0	7.2
	Large 60,000 Btuh (5 Tons)	9.1	17.1	7.5	17.1
Non-Cold Climate Heat Pump	Small 30,000 Btuh (2.5 Tons)	8.0	8.6	5.1	8.6
	Medium 48,000 Btuh (4 Tons)	12.9	13.7	8.2	12.9
	Large 60,000 Btuh (5 Tons)	16.1	17.1	10.2	17.1

Table 4 shows the peak hourly electric demand during the utility peak period defined as 7am – 9am Monday through Friday. Note the values in Table 4 are slightly smaller than Table 3 as the annual system peak demand does not always fall within the utility peak demand period.

Table 4: Max Peak Period kW (Compressor and Supplemental Heating)

	Max Peak Period kW (Compressor and Auxiliary)				
	Scenario	Toronto	Ottawa	Windsor	Thunder Bay
New Furnace (Fan Only)	Small 30,000 Btuh (2.5 Tons)	0.2	0.2	0.2	0.2
	Medium 48,000 Btuh (4 Tons)	0.4	0.4	0.4	0.4
	Large 60,000 Btuh (5 Tons)	0.4	0.4	0.4	0.4
Hybrid Heating Heat Pump Coil with Existing Furnace	Small 30,000 Btuh (2.5 Tons)	2.1	2.1	2.2	1.8
	Medium 48,000 Btuh (4 Tons)	3.8	3.6	3.9	3.8
	Large 60,000 Btuh (5 Tons)	4.7	4.5	4.9	3.7
Hybrid Heating Heat Pump Coil with New Furnace	Small 30,000 Btuh (2.5 Tons)	2.3	1.8	2.3	1.5
	Medium 48,000 Btuh (4 Tons)	3.0	2.9	3.1	3.0
	Large 60,000 Btuh (5 Tons)	3.7	3.6	5.2	2.9
Cold Climate Heat Pump	Small 30,000 Btuh (2.5 Tons)	3.9	8.5	2.5	7.6
	Medium 48,000 Btuh (4 Tons)	6.2	13.5	4.0	6.2
	Large 60,000 Btuh (5 Tons)	7.7	16.9	5.0	15.3
Non-Cold Climate Heat Pump	Small 30,000 Btuh (2.5 Tons)	6.2	8.5	3.1	7.6
	Medium 48,000 Btuh (4 Tons)	9.9	13.5	4.9	9.9
	Large 60,000 Btuh (5 Tons)	12.4	16.9	6.1	15.3



Table 5 and Table 6 include performance summaries for annual cost and carbon emissions. Tables 7 through 18 include the summary outputs for each system configuration and load size at each weather location.

Table 5: Total Cost Savings by System Configuration and Location




Scenario		Annual Heating Operational Cost (\$)				Annual Heating Cost Savings (\$)			
		Toronto	Ottawa	Windsor	Thunder Bay	Toronto	Ottawa	Windsor	Thunder Bay
Baseline: Code 95% Furnace	Small (2.5 Tons)	\$484	\$565	\$483	\$623				
	Medium (4 Tons)	\$775	\$904	\$772	\$997				
	Large (5 Tons)	\$969	\$1,130	\$965	\$1,246				
Hybrid Heating Heat Pump Coil with Existing Furnace	Small (2.5 Tons)	\$396	\$484	\$379	\$549	\$88	\$81	\$104	\$74
	Medium (4 Tons)	\$632	\$774	\$602	\$878	\$143	\$130	\$170	\$118
	Large (5 Tons)	\$790	\$967	\$751	\$1,098	\$179	\$163	\$214	\$148
Hybrid Heating Heat Pump Coil with New Furnace	Small (2.5 Tons)	\$361	\$445	\$343	\$511	\$124	\$120	\$140	\$112
	Medium (4 Tons)	\$577	\$712	\$548	\$818	\$198	\$192	\$225	\$178
	Large (5 Tons)	\$721	\$890	\$685	\$1,022	\$248	\$240	\$281	\$224
Cold Climate Heat Pump	Small (2.5 Tons)	\$371	\$486	\$335	\$607	\$114	\$79	\$148	\$16
	Medium (4 Tons)	\$594	\$779	\$535	\$973	\$181	\$125	\$237	\$24
	Large (5 Tons)	\$743	\$974	\$669	\$1,217	\$226	\$156	\$296	\$29
Non-Cold Climate Heat Pump	Small (2.5 Tons)	\$386	\$562	\$339	\$745	\$98	\$3	\$143	-\$122
	Medium (4 Tons)	\$618	\$900	\$543	\$1,192	\$157	\$4	\$229	-\$195
	Large (5 Tons)	\$773	\$1,125	\$679	\$1,490	\$196	\$5	\$287	-\$244

- Greatest Savings for 2.5 Ton Load
- Greatest Savings for 4 Ton Load
- Greatest Savings for 5 Ton Load

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Table 6: Total Emissions and Total Emissions Savings by System Configuration and Location

Scenario	Annual Heating Emissions (kgCO ₂ e)				Annual Heating Emissions Savings (kgCO ₂ e)				
	Toronto	Ottawa	Windsor	Thunder Bay	Toronto	Ottawa	Windsor	Thunder Bay	
Baseline: Code 95% Furnace	Small (2.5 Tons)	2,033	2,370	2,026	2,613				
	Medium (4 Tons)	3,253	3,792	3,242	4,181				
	Large (5 Tons)	4,066	4,739	4,052	5,226				
Hybrid Heating Heat Pump Coil with Existing Furnace	Small (2.5 Tons)	1,253	1,646	1,138	2,022	780	724	888	590
	Medium (4 Tons)	1,990	2,628	1,768	3,235	1263	1164	1474	945
	Large (5 Tons)	2,486	3,284	2,197	4,044	1580	1456	1856	1182
Hybrid Heating Heat Pump Coil with New Furnace	Small (2.5 Tons)	1,140	1,519	999	1,889	893	851	1028	723
	Medium (4 Tons)	1,823	2,429	1,591	3,023	1430	1362	1651	1158
	Large (5 Tons)	2,279	3,037	1,987	3,779	1788	1703	2065	1447
Cold Climate Heat Pump	Small (2.5 Tons)	1,018	1,321	918	1,652	1016	1049	1108	961
	Medium (4 Tons)	1,630	2,117	1,469	2,649	1623	1674	1772	1531
	Large (5 Tons)	2,038	2,649	1,837	3,314	2028	2090	2216	1912
Non-Cold Climate Heat Pump	Small (2.5 Tons)	1,060	1,528	932	2,029	973	842	1095	584
	Medium (4 Tons)	1,697	2,444	1,491	3,246	1557	1347	1751	935
	Large (5 Tons)	2,121	3,055	1,863	4,057	1946	1684	2189	1168

-  Greatest Savings for 2.5 Ton Load
-  Greatest Savings for 4 Ton Load
-  Greatest Savings for 5 Ton Load

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Table 7: Results Table for Toronto with a 2.5 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	4,798	33,658,351	100%	30	263	0.95	0.2	82
	New 95% AFUE Furnace				454	1,010		0.9	1,951
	Total				484				2,033
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,370	26,917,219	80%	300	2,624	3.0	2.2	839
	Backup Furnace	429	6,741,133	20%	96	214	0.9	0.9	414
	Total	4,799	33,658,351	100%	396				1,253
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,390	27,273,455	81%	274	2,405	3.3	2.4	769
	Backup Furnace	409	6,384,897	19%	87	192	0.95	0.9	371
	Total	4,799	33,658,351	100%	361				1,140
Cold Climate Heat Pump	Heat Pump	4,799	33,658,351	100%	371	3,243	3.0	4.4	1,018
	Supplemental Electric Resistance	0	0	0%	0	0	1.0	0.0	
	Total	4,799	33,658,351	100%	371	3,243	3.0	4.4	
Non-Cold Climate Heat Pump	Heat Pump	4,732	33,139,994	98%	369	3,226	3.0	2.9	1,060
	Supplemental Electric Resistance	67	518,357	2%	17	152	1.0	7.8	
	Total	4,799	33,658,351	100%	386	3,378	2.9	8.0	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature potentially resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 8: Results Table for Toronto with a 4 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	4,798	53,853,362	100%	48	421	0.95	0.4	132
	New 95% AFUE Furnace				727	1,616		1.4	3,121
	Total				775				3,253
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,387	43,543,204	81%	485	4,250	3.0	3.8	1,357
	Backup Furnace	412	10,310,158	19%	147	328	0.9	1.4	633
	Total	4,799	53,853,362	100%	632				1,990
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,391	43,668,680	81%	439	3,850	3.3	4.0	1,231
	Backup Furnace	408	10,184,682	19%	138	307	0.95	1.4	592
	Total	4,799	53,853,362	100%	577				1,823
Cold Climate Heat Pump	Heat Pump	4,798	53,852,168	100%	594	5,194	3.0	6.8	1,630
	Supplemental Electric Resistance	1	1,194	0%	0	0	1.0	0.3	
	Total	4,799	53,853,362	100%	594	5,195	3.0	7.2	
Non-Cold Climate Heat Pump	Heat Pump	4,732	53,023,991	98%	591	5,162	3.0	4.6	1,697
	Supplemental Electric Resistance	67	829,372	2%	28	243	1.0	12.5	
	Total	4,799	53,853,362	100%	618	5,405	2.9	12.9	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 9: Results Table for Toronto with a 5 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	4,798	67,316,703	100%	60	526	0.95	0.4	165
	New 95% AFUE Furnace				909	2,020		1.7	3,902
	Total				969				4,066
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,387	54,429,005	81%	607	5,310	3.0	4.7	1,695
	Backup Furnace	412	12,887,698	19%	184	409	0.9	1.8	791
	Total	4,799	67,316,703	100%	790				2,486
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,391	54,585,850	81%	549	4,811	3.3	4.1	1,538
	Backup Furnace	408	12,730,853	19%	173	383	0.95	1.7	740
	Total	4,799	67,316,703	100%	721				2,279
Cold Climate Heat Pump	Heat Pump	4,798	67,314,055	100%	743	6,495	3.0	8.4	2,038
	Supplemental Electric Resistance	1	2,648	0%	0	1	1.0	0.8	
	Total	4,799	67,316,703	100%	743	6,496	3.0	9.1	
Non-Cold Climate Heat Pump	Heat Pump	4,732	66,279,988	98%	738	6,452	3.0	5.7	2,121
	Supplemental Electric Resistance	67	1,036,715	2%	35	304	1.0	15.7	
	Total	4,799	67,316,703	100%	773	6,756	2.9	16.1	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 10: Results Table for Ottawa with a 2.5 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	5,089	39,230,702	100%	35	306	0.95	0.2	96
	New 95% AFUE Furnace				530	1,177		0.9	2,274
	Total				565				2,370
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,229	26,119,299	67%	298	2,598	2.9	2.2	842
	Backup Furnace	861	13,111,402	33%	186	416	0.9	0.9	803
	Total	5,090	39,230,702	100%	484				1,646
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,233	26,190,562	67%	268	2,341	3.3	2.4	762
	Backup Furnace	857	13,040,140	33%	176	392	0.95	0.9	757
	Total	5,090	39,230,702	100%	445				1,519
Cold Climate Heat Pump	Heat Pump	5,064	38,991,748	99%	477	4,142	2.8	4.3	1,321
	Supplemental Electric Resistance	26	238,953	1%	9	70	1.0	8.3	
	Total	5,090	39,230,702	100%	486	4,212	2.7	8.6	
Non-Cold Climate Heat Pump	Heat Pump	4,825	34,804,326	89%	406	3,537	2.9	2.9	1,528
	Supplemental Electric Resistance	265	4,426,376	11%	157	1,297	1.0	8.3	
	Total	5,090	39,230,702	100%	562	4,834	2.4	8.6	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 11: Results Table for Ottawa with a 4 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	5,089	62,769,123	100%	56	490	0.95	0.4	153
	New 95% AFUE Furnace				848	1,883		1.4	3,638
	Total				904				3,792
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,232	41,873,877	67%	477	4,157	3.0	3.6	1,347
	Backup Furnace	858	20,895,245	33%	297	663	0.9	1.4	1,280
	Total	5,090	62,769,123	100%	774				2,628
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,233	41,904,899	67%	430	3,744	3.3	3.2	1,218
	Backup Furnace	857	20,864,223	33%	282	627	0.95	1.4	1,211
	Total	5,090	62,769,123	100%	712				2,429
Cold Climate Heat Pump	Heat Pump	5,061	62,343,809	99%	762	6,625	2.8	6.6	2,117
	Supplemental Electric Resistance	29	425,314	1%	16	125	1.0	13.4	
	Total	5,090	62,769,123	100%	779	6,750	2.7	13.7	
Non-Cold Climate Heat Pump	Heat Pump	4,825	55,686,921	89%	649	5,660	2.9	4.6	2,444
	Supplemental Electric Resistance	265	7,082,202	11%	251	2,074	1.0	13.4	
	Total	5,090	62,769,123	100%	900	7,734	2.4	13.7	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 12: Results Table for Ottawa with a 5 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	5,089	78,461,403	100%	70	613	0.95	0.4	192
	New 95% AFUE Furnace				1,059	2,354		1.7	4,548
	Total				1,130				4,739
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,232	52,342,346	67%	595	5,192	3.0	4.6	1,683
	Backup Furnace	858	26,119,057	33%	371	828	0.9	1.8	1,600
	Total	5,090	78,461,403	100%	967				3,284
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,233	52,381,124	67%	537	4,680	3.3	4.0	1,523
	Backup Furnace	857	26,080,279	33%	353	784	0.95	1.7	1,514
	Total	5,090	78,461,403	100%	890				3,037
Cold Climate Heat Pump	Heat Pump	5,057	77,908,019	99%	953	8,283	2.8	8.2	2,649
	Supplemental Electric Resistance	33	553,384	1%	21	162	1.0	16.7	
	Total	5,090	78,461,403	100%	974	8,445	2.7	17.1	
Non-Cold Climate Heat Pump	Heat Pump	4,825	69,608,651	89%	811	7,074	2.9	5.7	3,055
	Supplemental Electric Resistance	265	8,852,752	11%	314	2,593	1.0	16.7	
	Total	5,090	78,461,403	100%	1,125	9,668	2.4	17.1	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 13: Results Table for Windsor with a 2.5 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	4,797	33,541,597	100%	30	262	0.95	0.2	82
	New 95% AFUE Furnace				453	1,006		0.9	1,944
	Total				483				2,026
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,578	30,413,997	91%	324	2,830	3.1	2.2	899
	Backup Furnace	220	3,127,601	9%	55	123	0.9	0.9	238
	Total	4,798	33,541,597	100%	379				1,138
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,649	31,773,851	95%	309	2,693	3.5	2.4	852
	Backup Furnace	149	1,767,746	5%	34	76	0.95	0.9	147
	Total	4,798	33,541,597	100%	343				999
Cold Climate Heat Pump	Heat Pump	4,798	33,541,597	100%	335	2,925	3.4	3.7	918
	Supplemental Electric Resistance	0	0	0%	0	0	1.0	0.0	
	Total	4,798	33,541,597	100%	335	2,925	3.4	3.7	
Non-Cold Climate Heat Pump	Heat Pump	4,786	33,492,949	100%	338	2,954	3.3	2.9	932
	Supplemental Electric Resistance	12	48,648	0%	1	14	1.0	2.2	
	Total	4,798	33,541,597	100%	339	2,968	3.3	5.1	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 14: Results Table for Windsor with a 4 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	4,797	53,666,556	100%	48	419	0.95	0.4	131
	New 95% AFUE Furnace				724	1,610		1.4	3,111
	Total				772				3,242
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,634	50,349,445	94%	538	4,712	3.1	4.0	1,490
	Backup Furnace	164	3,317,111	6%	65	144	0.9	1.4	278
	Total	4,798	53,666,556	100%	602				1,768
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,653	50,982,158	95%	495	4,315	3.5	4.2	1,364
	Backup Furnace	145	2,684,397	5%	53	117	0.95	1.4	227
	Total	4,798	53,666,556	100%	548				1,591
Cold Climate Heat Pump	Heat Pump	4,798	53,666,556	100%	535	4,680	3.4	6.0	1,469
	Supplemental Electric Resistance	0	0	0%	0	0	1.0	0.0	
	Total	4,798	53,666,556	100%	535	4,680	3.4	6.0	
Non-Cold Climate Heat Pump	Heat Pump	4,786	53,588,719	100%	541	4,727	3.3	4.6	1,491
	Supplemental Electric Resistance	12	77,837	0%	2	23	1.0	3.6	
	Total	4,798	53,666,556	100%	543	4,749	3.3	8.2	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 15: Results Table for Windsor with a 5 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	4,797	67,083,195	100%	60	524	0.95	0.4	164
	New 95% AFUE Furnace				906	2,012		1.7	3,888
	Total				965				4,052
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,643	63,311,433	94%	676	5,922	3.1	5.0	1,872
	Backup Furnace	155	3,771,762	6%	75	168	0.9	1.8	325
	Total	4,798	67,083,195	100%	751				2,197
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,654	63,780,830	95%	620	5,398	3.5	5.2	1,707
	Backup Furnace	144	3,302,365	5%	65	145	0.95	1.7	280
	Total	4,798	67,083,195	100%	685				1,987
Cold Climate Heat Pump	Heat Pump	4,798	67,083,195	100%	669	5,850	3.4	7.5	1,837
	Supplemental Electric Resistance	0	0	0%	0	0	1.0	0.0	
	Total	4,798	67,083,195	100%	669	5,850	3.4	7.5	
Non-Cold Climate Heat Pump	Heat Pump	4,786	66,985,899	100%	676	5,908	3.3	5.7	1,863
	Supplemental Electric Resistance	12	97,296	0%	3	28	1.0	4.4	
	Total	4,798	67,083,195	100%	679	5,937	3.3	10.2	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 16: Results Table for Thunder Bay with a 2.5 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	5,720	43,257,475	100%	39	338	0.95	0.2	106
	New 95% AFUE Furnace				584	1,298		0.9	2,507
	Total				623				2,613
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,283	22,079,462	51%	249	2,176	3.0	2.1	727
	Backup Furnace	1,437	21,178,013	49%	301	671	0.9	0.9	1,296
	Total	5,720	43,257,475	100%	549				2,022
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,283	22,079,462	51%	225	1,967	3.3	1.6	662
	Backup Furnace	1,437	21,178,013	49%	286	635	0.95	0.9	1,228
	Total	5,720	43,257,475	100%	511				1,889
Cold Climate Heat Pump	Heat Pump	5,624	41,583,103	96%	551	4,774	2.6	4.3	1,652
	Supplemental Electric Resistance	97	1,674,372	4%	56	490	1.0	8.3	
	Total	5,721	43,257,475	100%	607	5,265	2.4	8.6	
Non-Cold Climate Heat Pump	Heat Pump	5,164	33,597,886	78%	412	3,572	2.8	2.8	2,029
	Supplemental Electric Resistance	556	9,659,590	22%	333	2,829	1.0	8.3	
	Total	5,720	43,257,475	100%	745	6,402	2.0	8.6	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Table 17: Results Table for Thunder Bay with a 4 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	5,720	69,211,961	100%	62	541	0.95	0.4	169
	New 95% AFUE Furnace				935	2,076		1.4	4,012
	Total				997				4,181
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,283	35,327,139	51%	397	3,478	3.0	3.3	1,162
	Backup Furnace	1,437	33,884,821	49%	481	1,073	0.9	1.4	2,073
	Total	5,720	69,211,961	100%	878				3,235
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,283	35,327,139	51%	360	3,147	3.3	2.6	1,059
	Backup Furnace	1,437	33,884,821	49%	458	1,017	0.95	1.4	1,964
	Total	5,720	69,211,961	100%	818				3,023
Cold Climate Heat Pump	Heat Pump	5,613	66,464,849	96%	881	7,636	2.6	6.9	2,649
	Supplemental Electric Resistance	108	2,747,112	4%	92	805	1.0	13.4	
	Total	5,721	69,211,961	100%	973	8,441	2.4	13.7	
Non-Cold Climate Heat Pump	Heat Pump	5,164	53,756,617	78%	660	5,716	2.8	4.5	3,246
	Supplemental Electric Resistance	556	15,455,343	22%	532	4,527	1.0	13.4	
	Total	5,720	69,211,961	100%	1,192	10,243	2.0	13.7	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

Memorandum to Enbridge
 May 19th, 2023
 Page 21 of 21

Table 18: Results Table for Thunder Bay with a 5 Ton Heating Load

Scenario	System	Heating Hours	Annual Heating Load (Btu)	Percent of Total Load	Total Annual Cost \$	Annual Consumption (kWh or m3)	Annual Efficiency (COP or AFUE)	Operational Peak Demand (kW or m3/hr)*	Total Emissions (kgCO ₂ e)
Baseline: Code 95% Furnace	Furnace Fan	5,720	86,514,951	100%	78	676	0.95	0.4	211
	New 95% AFUE Furnace				1,168	2,595		1.7	5,014
	Total				1,246				5,226
Hybrid Heating Heat Pump Coil with Existing Furnace	Heat Pump	4,283	44,158,924	51%	497	4,347	3.0	4.1	1,452
	Backup Furnace	1,437	42,356,027	49%	601	1,341	0.9	1.8	2,591
	Total	5,720	86,514,951	100%	1,098				4,044
Hybrid Heating Heat Pump Coil with New Furnace	Heat Pump	4,283	44,158,924	51%	450	3,934	3.3	3.3	1,324
	Backup Furnace	1,437	42,356,027	49%	572	1,271	0.95	1.7	2,455
	Total	5,720	86,514,951	100%	1,022				3,779
Cold Climate Heat Pump	Heat Pump	5,608	83,045,026	96%	1,101	9,542	2.6	8.6	3,314
	Supplemental Electric Resistance	113	3,469,925	4%	116	1,016	1.0	16.7	
	Total	5,721	86,514,951	100%	1,217	10,559	2.4	17.1	
Non-Cold Climate Heat Pump	Heat Pump	5,164	67,195,772	78%	824	7,145	2.8	5.6	4,057
	Supplemental Electric Resistance	556	19,319,179	22%	666	5,659	1.0	16.7	
	Total	5,720	86,514,951	100%	1,490	12,804	2.0	17.1	

*The operational peak demand values for the heat pump and supplemental heating are non-coincident and do not occur at the same time. Instead, they reflect their respective maximum peak hourly demand values throughout the year. The heat pump cannot operate below its lockout temperature resulting in periods of operation where supplemental heating satisfies the entire load. Supplemental heating peak demand does not include fan power while the total peak demand does.

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Please see Exhibit I.ED-28_Attachment 2.xlsx on the OEB's RDS.

From: Gerry Dennis <Gerry.Dennis@enbridge.com>
Sent: Tuesday, May 9, 2023 4:09:29 PM
Cc: Octavian Ghiricociu <Octavian.Ghiricociu@enbridge.com>
Subject: HVAC Contractor Survey

Good afternoon,

Enbridge Gas is seeking information to support the Company's understanding of the all-in upfront costs required for homes to convert to natural gas heating or electric cold climate air source heat pumps (ccASHPs). The purpose for the analysis is to determine conversion costs to ccASHPs (for the purpose of converting the homes to all-electric configurations) or to natural gas heating.

Please see the questions below and let us know if you have any questions. Some assumptions to help guide your responses are as follows:

- Assume the home has existing forced air heating (either oil, propane or electric furnace)
- For question #1 & #2, assume the home is converting to a natural gas furnace.
- For question #3 & #4 assume the home is converting to an all-electric heating system with a centrally ducted heat pump and air handler. The air handler should to be properly sized with the required electricity resistance backup.

Questions: Please provide typical all-in retail costs (installation and equipment) for products your company sells.

1. Natural gas furnace (95% AFUE)
 - a. Installed cost for a natural gas furnace: Low end \$ _____ / High end \$ _____
2. Please identify and list any additional costs that may be required to convert homes to a gas furnace (95% AFUE) from oil, propane or electric furnace: _____
 - a. Additional costs: Low end \$ _____ / High end \$ _____
3. ccASHP with air handler and electric resistance backup
 - a. Installed cost for the heat pump (equipment including A-coil and installation): Low end \$ _____ / High End \$ _____
 - b. Installed cost for the air handler, including electric resistance heating required to meet design conditions (installation and equipment): Low end \$ _____ / High End \$ _____
4. Please identify any additional costs that may be required to convert homes to an all-electric heating system from oil, propane or electric furnace.
 - a. Panel upgrade: Low end \$ _____ / High End \$ _____
 - b. Utility service upgrades (i.e. 200A service): Low end \$ _____ / High End \$ _____
 - c. Wiring or other costs inside the home: Low End \$ _____ / High End \$ _____
 - d. Any additional costs required for the conversion – please identify what these items are: _____
 - i. Additional costs: Low end \$ _____ / High end \$ _____

Trusting you are able to provide feedback to the above, and if so kindly respond by May 15th or sooner.

Best regards,

Gerry Dennis
647-515-7803

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Please see Exhibit I.ED-28_Attachment 6.xlsx on the OEB's RDS.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) Please provide file a copy of EB-2022-0249, Exhibit I.ED.16, Attachment 2 and the associated live excel spreadsheet.
- b) Is Enbridge asking Guidehouse to continue with the work described in (a)? If yes, please describe the next steps.
- c) For what purpose did Enbridge ask Guidehouse to prepare the analysis discussed in (a).

Response:

- a) Please see Attachment 1 to the response at Exhibit I.ED-28 for the Guidehouse report/memo, and Attachment 2 to response at Exhibit I.ED-28 for the live excel spreadsheet. Both attachments are unchanged from the attachments referenced in the interrogatory.
- b) No, Enbridge Gas is not asking Guidehouse to continue with the work referred to in part a) above.
- c) Enbridge Gas commissioned Guidehouse Inc. in Q1 2023 to provide an assessment of the annual operating costs of all-electric and hybrid air source heat pump systems, including high-efficiency electric cold climate air source heat pumps. The analysis included four Ontario climates (Windsor, Toronto, Ottawa, and Thunder Bay) at three peak winter design loads (2.5 tons, 4 tons, and 5 tons). The analysis will assist the Company with understanding the performance trade-offs between all electric heat pump systems and hybrid heat pump systems with natural gas backup.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

a) Please complete the following table with respect to the Guidehouse report on heat pumps and Enbridge's own analysis of heat pump cost-effectiveness:

	Guidehouse Report Output Tables	Enbridge Analysis
Accounts for cooling efficiency benefits and cooling savings from cold climate heat pumps		
Accounts for tax on gas costs		
Accounts for tax on electricity cost		
Accounts for lifetime costs, including increases in the carbon price		
Includes air conditioner capital cost		
Accounts for federal \$40,000 interest-free loans for heat pumps		
Accounts for the conversion cost scenario of electric baseboards to a gas furnace, including ductwork costs		
Accounts for the extra length charge		
Itemizes additional gas conversion costs such as intake and exhaust vents, condensate pump, etc.		
Accounts for federal rebates available for heat pump conversions, including the \$10,000 oil to heat pump rebate		

- b) Please confirm if this statement is accurate, and if not, provide the accurate figures:
 The carbon price, which was only established in 2019 and adds 12.39 cents/m³ now, and will add 32.40 cents/m³ by 2030.
- c) Approximately when did cold climate heat pumps that can heat homes throughout Ontario's climate first become widely available in the Ontario market?
- d) When did variable speed heat pumps with higher levels of efficiency first become widely available in the Ontario market?
- e) When did heat pumps with built-in backup heating elements as a standard item in the air handler first become widely available in the Ontario market?

Response:

a) Enbridge Gas interprets the "Guidehouse Report Output Tables" within the interrogatory as the information reported within the Guidehouse report/memo dated May 19, 2023 (filed at Attachment 1 to response at Exhibit I.ED-28). Enbridge Gas interprets the "Enbridge Analysis" as the entirety of the Company's analysis provided at response to Exhibit I.ED-28. For clarity, the analysis/conclusions provided by Enbridge Gas at response to Exhibit I.ED-28 did not rely on the information reported within the Guidehouse report/memo (i.e., Attachment 1 to response at Exhibit I.ED-28). Rather, the Company used the Guidehouse spreadsheet model (filed at Attachment 2 to response at Exhibit I.ED-28) in conjunction with more precise model inputs to establish its analysis/conclusions on the matter. The information reported within the Guidehouse report/memo is less precise than, and not relevant to, Enbridge Gas's analysis on the matter. As such, the Company declines to provide the requested information regarding the Guidehouse report/memo.

For the requested information regarding Enbridge Gas's analysis (provided at response to Exhibit I.ED-28) please see Table 1.

Table 1
Enbridge Gas's Analysis of Heat Pump Cost-Effectiveness

	Enbridge Gas's Analysis
Accounts for cooling efficiency benefits and cooling savings from cold climate heat pumps	No, Enbridge Gas's cost-effectiveness analysis assessed space heating only. It should be noted that the inclusion of electric summer cooling to the cost-effectiveness analysis is complex as it would not only require a technical assessment of the performance efficiencies of electric summer cooling equipment types but also an assessment of the impact that electric heat pumps have on consumer energy bills for those consumers who

	would not opt for traditional electric summer cooling equipment with a natural gas furnace.
Accounts for tax on gas costs	No
Accounts for tax on electricity cost	No
Accounts for lifetime costs, including increases in the carbon price	Yes
Includes air conditioner capital cost	No, Enbridge Gas's cost-effectiveness analysis assessed space heating only. It should be noted that the inclusion of electric summer cooling to the cost-effectiveness analysis is complex as it would not only require a technical assessment of the performance efficiencies of electric summer cooling equipment types but also an assessment of the impact that electric heat pumps have on consumer energy bills for those consumers who would not opt for traditional electric summer cooling equipment with a natural gas furnace.
Accounts for federal \$40,000 interest-free loans for heat pumps	No, loans do not impact the upfront cost for heat pumps and therefore do not impact the cost-effectiveness analysis. Additionally, not all homeowners are eligible for the loan (the loan is only applicable to retrofits that are recommended in a pre-retrofit evaluation. ¹ A heat pump would have to be recommended to qualify).
Accounts for the conversion cost scenario of electric baseboards to a gas furnace, including ductwork costs	No, Enbridge Gas's analysis focused on homes with pre-existing forced air heating systems, as indicated in Attachment 3 to Exhibit I.ED-28.
Accounts for the extra length charge	No.
Itemizes additional gas conversion costs such as intake and exhaust vents, condensate pump, etc.	Yes. Enbridge Gas's analysis considers additional costs aside from installed natural gas furnace costs. Please see Attachment 3 (question #2) and Attachment 4 ("additional costs" under "Natural gas furnace (95% AFUE)") to Exhibit I.ED-28.
Accounts for federal rebates available for heat pump	No.

¹ <https://natural-resources.canada.ca/energy-efficiency/homes/canada-greener-homes-initiative/canada-greener-homes-loan/24286>

conversions, including the \$10,000 oil to heat pump rebate	As indicated in response at Exhibit I.ED-28 part a), as of February 5, 2024 intake into the Canada Greener Homes program has been halted.
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b) An accurate statement would be:

The Federal Carbon Charge became effective April 1, 2019, and increases each subsequent year on April 1. Schedule 2 of the Greenhouse Gas Pollution Pricing Act was amended on April 1, 2023, to include the Federal Carbon Charge rates from 2023 to 2030. In 2023, the Federal Carbon Charge is equivalent to \$65 per tonne of carbon dioxide equivalent (tCO_{2e}) or 12.93 ¢/m³ of natural gas. After March 31, 2030, the Federal Carbon Charge is expected to be \$170/tCO_{2e} or 32.40 ¢/ m³.²

c - e)

The Company does not have the requested information regarding dates related to the availability of non-natural gas end-use equipment. In addition, the information is outside the scope of this proceeding.

² The Greenhouse Gas Pollution Pricing Act, Schedule 2 and Schedule 4, <https://laws-lois.justice.gc.ca/PDF/G-11.55.pdf>

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) Please provide a table showing all the assumptions regarding heat pump capital costs and efficiency levels outlined in Exhibit I.10h.EGI.STAFF.77 in EB-2021-0002.
- b) Please provide the implicit cost and efficiency for a cold climate heat pump underlying the Total Resource Cost figures for Enbridge's DSM programs.
- c) Please provide a table showing the cost of a cold climate heat pump per the US Energy Information Administration's Buildings Sector Appliance and Equipment Costs and Efficiencies.¹ Please convert the costs to Canadian dollars.
- d) Please provide a copy of all studies or reports with details on the installed cost of a cold climate heat pump in Ontario and/or Canada.
- e) For (d) please confer with Enbridge's DSM team in responding to the question and confirm that you have done so.
- f) Please comment on the following analysis by Ralph Torrie on the heating savings from heat pumps - <https://www.corporateknights.com/issues/2023-06-best-50-issue/calculate-the-savings-from-electrifying-your-home/>.

Response:

- a) Enbridge Gas respectfully declines to provide the requested information. The information sought by ED is no longer current. Enbridge Gas has provided more up to date and refined information regarding assumptions related to electric heat pumps (see response to Exhibit I.ED-28 part a) for more information).

¹ <https://www.eia.gov/analysis/studies/buildings/equipcosts/>

- b) The HER+ program allowed customers to add an electric ccASHP to an existing system and did not require a customer to convert to an electric-only heating system. Therefore, the incremental cost noted below cannot be interpreted as the cost to fully electrify a home. Rather, it is more representative of the cost to incorporate an electric ccASHP into an existing system.

For the HER+ program, the proposed incremental costs for electric ccASHPs are \$11,064. This is the proposed incremental cost that will be used in the TRC calculations for the HER+ program and presented in the 2023 draft annual report. Electric ccASHP were included within Enbridge Gas's HER+ program, however, the program incented a wide range of electric heat pumps that have a range of upfront costs and performance efficiencies. Each electric heat pump home/participant was considered/assessed individually. The Canada Greener Homes Grant program delivered by Enbridge Gas has been closed to new applicants effective February 5, 2024; however, all customers who have entered the program before this cut-off date will be given the opportunity to complete the program according to the terms and conditions. The Contribution Agreement with Enbridge Gas and NRCan remains in effect for the full term.

- c) Enbridge Gas respectfully declines to reproduce the requested information. The website link provided by ED in the interrogatory appears to contain significant amounts of publicly available information provided by another party, which Enbridge Gas cannot not reasonably interpret and review.
- d) Enbridge Gas has not completed studies or reports with details on installed cost of electric cold climate heat pumps in Ontario and/or Canada. In May 2023 Enbridge Gas requested upfront cost information from HVAC contractors via e-mail survey regarding conversions to high-efficiency electric cold climate air source heat pumps (see response to Exhibit I.ED-28 part a) for more information). The results of the survey found that there is a wide range of upfront costs for conversions to high efficiency electric cold climate air source heat pumps. Enbridge Gas cautions that the results are meant to be illustrative and that more refined research would be required to establish robust estimates/assumptions.
- e) Confirmed.
- f) The article appears to be related to non-natural gas energy solutions and is well outside the scope of Enbridge Gas's application and evidence, and as such the Company has no comments.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) Please provide a table summarizing the comparison of the cost of heating a home with methane gas versus heating a home with a heat pump as set out in Ministry of Energy document entitled “Future of Natural Gas Expansion and Home Heating Affordability - Discussion Paper for Consultation.”¹
- b) To allow it to be referred to with an exhibit number, please file a copy of the Ministry of Energy document entitled “Future of Natural Gas Expansion and Home Heating Affordability - Discussion Paper for Consultation.”²
- c) Please provide a copy of any submissions that Enbridge has made to the Ministry of Energy regarding the future of natural gas expansion.

Response:

a) – b)

Enbridge Gas respectfully declines to produce the requested table and file a copy of the referenced report, as it was not produced by Enbridge Gas and the Company cannot verify the data or analysis contained within it. Please refer to Exhibit I.ED-28 for further discussion on the cost of heating a home with natural gas versus a heat pump.

- c) Please see Attachment 1 to this response for a copy of Enbridge Gas’s December 15, 2023 submission to the Ministry of Energy and Electrification regarding feedback on the future of natural gas expansion.

¹ https://prod-environmental-registry.s3.amazonaws.com/2023-08/Future%20of%20Natural%20Gas%20Expansion%20Final_pdf_0.pdf

² https://prod-environmental-registry.s3.amazonaws.com/2023-08/Future%20of%20Natural%20Gas%20Expansion%20Final_pdf_0.pdf



Enbridge Feedback on the future of natural gas expansion and home heating affordability

ERO #019-7506

Submission date: December 15, 2023

About Enbridge Inc.

At Enbridge, we safely connect millions of people to the energy they rely on every day, fueling quality of life through our North American natural gas, oil or renewable power networks and our growing European offshore wind portfolio. Enbridge Gas, a subsidiary of Enbridge Inc., is Canada's largest natural gas storage, transmission and distribution company based in Ontario, with more than 175 years of service to customers. The distribution business provides safe, affordable, reliable energy to about 3.9 million homes, businesses and industries and is leading the transition to a clean energy future through net zero emissions targets and investments in innovative low-carbon energy solutions. With the recently announced acquisition of three gas utilities serving customers in five US states, Enbridge will own and operate the largest gas utility franchise in North America. We're investing in modern energy delivery infrastructure to sustain access to secure, affordable energy and building on two decades of experience in renewable energy to advance new technologies including wind and solar power, hydrogen, renewable natural gas and carbon capture and storage. We're committed to reducing the carbon footprint of the energy we deliver, and to achieving net zero greenhouse gas emissions by 2050.

Headquartered in Calgary, Alberta, Enbridge's common shares trade under the symbol ENB on the Toronto (TSX) and New York (NYSE) stock exchanges.

To learn more, visit us at [Enbridge.com](https://www.enbridge.com).

Learn more at www.enbridgegas.com.



Introduction

Enbridge Inc. (Enbridge) commends the Government of Ontario for its continued support for the Natural Gas Expansion Program (NGEP) that offers critical financial support without which connecting communities would not be economical. Enbridge also appreciates the opportunity to submit feedback on the future of natural gas expansion and home heating affordability.

The Government's investments in Phases 1 and 2 of NGEP has enabled families and businesses in a number of communities to have lower energy bills, which are necessary now more than ever to address affordability issues and attract investments into the province. We appreciate having the opportunity to show our support for such needed investments in providing Ontarians with equitable access to the benefits the natural gas system offers.

Ontario's NGEP is a leading example in North America of how a government can support the reliability and affordability of the energy system during the transition to lower emissions. At the same time NGEP is leveraging the natural gas system fully for attracting investment and underpinning economic growth by connecting new development projects to the existing energy system. This has been a world class program that the province would be smart to continue to capitalize on.

With Enbridge Gas's over 175 years of operational excellence and strong safety performance, we are well positioned to bring affordable, reliable, and resilient natural gas and low-carbon fuels to new communities that need it.

Executive Summary

Enbridge believes that timely investments in natural gas projects help Ontario make a real impact on local communities and help provide cost savings to families and businesses that desperately need it. Natural gas has a significant positive impact in communities where businesses and homeowners have expressed a strong interest in accessing this affordable, reliable, and resilient source of energy. Now more than ever, government investments should focus on initiatives that improve the lives of Ontarians, create jobs, and lower energy bills.

Enbridge is committed to continued support of the delivery of Ontario's NGEP, which enhances community access to affordable, safe, reliable, and resilient energy - a mission that is in alignment with Ontario's energy transition objectives. We believe that NGEP offers a range of benefits that contribute to both short-term and long-term energy security, sustainability, and consumer choice goals.

Benefits:

- **Cost-savings:** By transitioning away from higher emitting fuels to natural gas, large and small businesses could save up to 30% each year on their annual space and water heating bills, with homeowners realizing even greater savings.¹
- **Emissions reduction and energy efficiency:** Enbridge is driving emissions reduction by allowing new customers to transition from higher-emission energy sources to natural gas. This shift not only reduces emissions but also results in significant reductions in annual energy consumption through Enbridge's suite of energy efficiency and conservation programs available to our customers.
- **Reliability:** The NGEP helps connect communities and businesses to the natural gas system, which is 99.9993% reliable, delivering up to 90 GW equivalent of peak winter capacity.

¹ [Future of Natural Gas Expansion Final_pdf_0.pdf \(prod-environmental-registry.s3.amazonaws.com\)](#) p.3-4.

* Please note that these numbers are as of October 1, 2023, and subject to change based on commodity price changes, rate rebasing, and changes to federal carbon charge.



- **Resiliency:** The NGEP provides more Ontarians with access to resilient underground energy infrastructure, ensuring their uninterrupted access to energy even during extreme events, including weather-related disruptions and cybersecurity threats.
- **Path to a net-zero future:** Over the long term, customers can decrease their natural gas usage and transition to lower carbon fuels, such as renewable natural gas (RNG) and hydrogen, a step that directly contributes to achieving a net-zero future.
- **Industrial competitiveness:** The competitiveness of Ontario's industrial customers relies on keeping and further expanding the 3.9 million customers connected to the gas system. Industrial customers bear only 20% of the cost of the system, therefore maintaining a broad customer base is critical to Ontario's industrial competitiveness and energy system's resiliency.

The benefits of expanding access to natural gas to more Ontario businesses and homes can only be realized with the active support and enablement from the province. Supporting the economic viability of expanding the natural gas system to more communities, providing policy clarity on the of gas in the economy, and reducing regulatory red tape and uncertainty are necessary if the province wants to realize the benefits of NGEP.

Recommendations:

- **Aligning OEB's LTC procedure with Government policy:** Consistent with the OEB's recommendation to the Electrification and Energy Transition Panel regarding enabling the OEB to consider the public interest in electricity transmission projects' leave to construct (LTC) in accordance with government policy, Enbridge urges the government to ensure alignment between the OEB's LTC procedure and Ontario's policies, specifically the *Access to Natural Gas Act, 2018*, emphasizing the importance of prioritizing the public interest in extending natural gas access to underserved areas.
- **Streamlining regulatory processes and timelines:** Enbridge recommends streamlining the program's review timeliness and modernizing regulatory processes, including revising the outdated LTC thresholds set out in section 90(1) of the *Ontario Energy Board Act*. These changes would significantly expedite project timelines and decrease expenses for households and businesses seeking access to the natural gas system. Moreover, this would assist customers who have expressed a desire for natural gas, ensuring they do not have to resort to heating options that may be less affordable, less dependable, less resilient, and have higher GHG emissions.
- **Flexibility of funding allocation framework:** Increase flexibility in funding allocation to handle project changes and cost variations within a predefined range, enhancing efficiency. This flexibility can be offered on a utility portfolio basis to provide an overall funding cap.
- **Pre-consultation period:** Implement a pre-consultation period with other government bodies prior to final selection of approved projects to streamline and expedite project execution.
- **Alternative funding mechanisms:** Enbridge recommends exploring alternatives to ratepayer funding, such as government subsidies funded through taxes, akin to electrical subsidies. This approach would cost only a fraction of the annual electrical subsidies and can help in ensuring equitable access to the affordability, reliability, and resiliency benefits that the gas system offers.²
- **Hybrid heating expansion:** Expanding hybrid heating programs to communities benefiting from NGEP would offer them further choices for bill savings and emissions reduction.
- **Supporting RNG Production:** Leveraging natural gas expansion could also serve to connect RNG production facilities to the grid to further support economic development and

² The [~\\$234 million](#) allocated for Phase 2 of the NGEP is a fraction of the [~\\$6.4 billion](#) government subsidies that that directly reduce the electricity bills of Ontario households and businesses.



decarbonization initiatives. For instance, see the recent [submissions](#) provided by the Coalition for Renewable Natural Gas discussing RNG potential in Ontario and North America in Phase 1 of the Enbridge Gas 2024 Rebasing proceeding before the OEB.

In conclusion, natural gas expansion is essential for Ontario's energy transition, aligning with sustainability and economic growth objectives. This expansion not only reduces carbon emissions but also fosters job creation and economic prosperity in the region. It is a critical step in delivering reliable and cost-effective natural gas and low-carbon fuels like hydrogen and RNG, thereby supporting a sustainable and prosperous energy future.

Below are Enbridge's responses to the consultation questions.

Theme 1: Performance of NGEF to Date

1. What are your perspectives on the operations of NGEF to date, including the application and project intake process for Phase 2 NGEF in 2020?

- **High demand for natural gas:** Phase 2 of the NGEF saw a significant oversubscription, underscoring the ongoing demand and desire by Ontario residents, businesses, and municipalities to access natural gas.
- **Broad municipal support:** Enbridge received letters of support and council resolutions from all municipalities selected for Phase 2 of the NGEF, reflecting widespread endorsement for the program.
- **LTC and Timeline Challenges:** NGEF projects that have not required LTC approval have been executed on time and within budget, delivering early benefits to Ontario businesses and homeowners. However, Enbridge has experienced challenges, including project delays stemming from regulatory issues and uncertainties and timelines. These delays have had repercussions on budgets, project scopes, and construction schedules. The delays have also introduced setbacks for residential, business, and Indigenous communities waiting for access to the affordable, reliable, resilient natural gas they need.
- **Potential for threshold adjustment:** Enbridge is supportive of the Government's proposal to streamline the threshold criteria and regulatory process for LTC, including finding ways to expedite review of projects over the 25-year-old LTC threshold of \$2 million but not exceeding \$10 million while maintaining the rigor of Indigenous consultation and environmental assessment. Enbridge also believes that the Government should increase the threshold for pipe size from NPS 12 to NPS 16 with a corresponding increase in operating pressure (2,000 to 3,600 kPA). This threshold review could help reduce red tape and support investments and customer connections including for NGEF Phase 2 and potential future projects. To highlight the impact of this change, over 100 of Enbridge's Phase 2 community expansion project proposals fell below \$10 million and around 65% of Phase 2 projects would be expedited if the LTC process is streamlined for projects between \$2 and \$10 million. Continuing with the current LTC process for all gas projects above \$2 million could delay customer connections by at least 6-12 months and incur ~\$100,000 to \$200,000 or more of additional regulatory and legal costs per project that are ultimately passed on to Ontario rate payers - with other potential cost implications on the planning and construction budgets.
- **Lessons learned:** The NGEF guidelines and regulations would significantly improve with the following key enhancements:
 - Incorporation of greater flexibility into the program's funding allocation framework for handling project scope changes and cost and customer load variances, potentially within a predefined range of funding "top up" eligibility or +/-20% for each project budget but to be capped within an overall utility portfolio basis. This adaptive approach would enhance the program's efficiency in addressing unforeseen issues if/when they arise to support maintaining project feasibility.
 - Additionally, a pre-consultation period on a subset of "first round" selected projects, prior to final selection of approved projects, to formally solicit information from other approving ministries,



municipalities, regions, and agencies in a consistent fashion. This could include but is not limited to, other infrastructure projects in the area that may impact the project scope, market research and future growth plans if available. Enbridge would then be given the opportunity to adjust the scope and economics to accommodate the pre-consultation information and ensure adequate funding is awarded." Such pre-consultation would better support execution of the project scopes and minimize challenges with conflicting priorities limiting our ability to obtain approvals.

In summary, while Phase 2 NGEP has experienced strong demand and support, LTC and timeline challenges have affected project timelines and budgets. Enbridge recommends streamlining the LTC process for projects between \$2 million and \$10 million to reduce red tape, expedite project implementation, and broaden access to natural gas. Furthermore, implementing lessons learned, such as introducing flexibility for managing scope changes and cost variances, and pre-consultation with government and approving agencies would go a long way in enhancing the program's adaptability and efficiency in connecting communities to the affordable, reliable, and resilient energy they need.

2. What, in your opinion, are the most important aspect(s) and successes of natural gas expansion as supported through this program?

- **Affordability:** The NGEP achieves annual cost savings of up to 30% each year on space and water heating, with some homeowners realizing even greater savings. This affordability is vital for Ontario residents and businesses now more than ever.
- **Reliability:** The NGEP helps connect communities and businesses to the natural gas system, which is 99.9993% reliable, delivering up to 90 GW equivalent of peak winter capacity, ensuring uninterrupted energy supply even during extreme weather events.
- **Resiliency:** The program enhances Ontarians' access to resilient energy infrastructure, ensuring their uninterrupted access to energy despite extreme events, including weather-related disruptions and cybersecurity threats.
- **Customer choice:** The program empowers Ontario energy consumers by offering flexibility in supporting their path to achieving net-zero emissions cost-effectively, aligning with the province's sustainability goals.
- **Economic development:** Enbridge Gas' proposed four economic development projects for Phase 2 were modeled on the successful in-service Chatham-Kent Rural Project. Enbridge Gas held an Expression of Interest process in the Niagara, Haldimand-Dunnville, Haldimand-Nanticoke and Hamilton regions where customers expressed a strong demand for potential capacity expansion projects by submitting "bids" articulating their demand and possible job and investment impacts. Bidders indicated that if these projects were to proceed, they would be investing \$1.75 billion in development at their sites.
 - **Job creation:** The expansion of natural gas infrastructure significantly contributes to direct and indirect employment opportunities in the province. For example, the Phase 2 bidder's investments would support the creation of over 8,000 direct jobs and 6,000 indirect jobs.
 - **Cost savings for businesses:** The natural gas expansion program helps businesses reduce overhead costs and indirectly benefit the broader economy. This includes allocating resources to business expansion, creating local jobs, stimulating private investment, and contributing to broader economic benefits such as payroll support and tax revenues.
- **Industrial competitiveness:** The competitiveness of Ontario's industrial customers relies on keeping and further expanding our 3.9 million customers connected to the gas system. Our industrial customers bear only 20% of the cost of the system. Maintaining and expanding the natural gas customer base is critical to Ontario's industrial competitiveness and energy system's resiliency.

In summary, smart, timely investments in natural gas projects are one way Ontario can make a real impact on local communities and help provide cost savings to businesses that desperately need it. The proposed natural gas expansion program in Ontario offers significant benefits, including up to 30% cost savings on heating, access to a 99.9993% reliable energy system, improved resiliency during extreme



events, and increased customer choice to support sustainability goals. Additionally, it drives economic development, creating thousands of jobs and reducing overhead costs for businesses, stimulating investment, and bolstering the overall economy.

Theme 2: Conversion to Natural Gas for Home Heating

1. Do you have any relevant information related to your experience with the cost of residential heating system conversion to natural gas from other fuel types (such as propane, fuel-oil, wood, and electric baseboard heating)? If available, please include a breakdown or estimate of all one-time costs incurred in this process (e.g., equipment cost for natural gas furnace, costs of retrofitting a home, upfront cost of connecting a home to the nearby main natural gas line).

- **Affordability:** The natural gas system delivers approximately 30% of the energy in Ontario annually. The cost to operate the gas system is roughly 1/3 of what it costs to operate the electricity system, which supplies only about half of the amount of energy as the gas system annually.³ Ontario's energy system reality is that natural gas remains a cost-effective energy option for Ontarians. With respect to individual homeowners, natural gas offers a more cost-effective energy solution compared to existing alternatives such as electric resistance heating, propane, or oil.⁴
- **Comfort and convenience:** Switching to natural gas means Ontario residents and businesses will not have to worry about running out of fuel or waiting for deliveries, ensuring a more convenient heating experience.
- **Lower carbon emissions:** Switching from higher emitting fuels like heating oil/propane to natural gas can contribute to reducing Ontario's carbon footprint.
- **Versatility and efficiency:** Natural gas provides a cost-effective energy solution in the transition away from higher emitting fuels, as it can be used for various applications, from heating to appliances such as fireplaces and clothes dryers.

In summary, switching from higher emitting fuels to natural gas provides a more cost-effective and convenient energy solution, compared to homeowners' existing alternatives like electric resistance heating, propane, or oil. Additionally, this transition can help reduce carbon emissions and enhance versatility and efficiency in various applications, contributing to a more sustainable energy choice for both residential and business needs.

2. We are looking to gather information from customers who have converted their homes to natural gas heating in the recent years. For example: Do you have information on the ease of finding qualified and experienced technicians/contractors to complete the work, timeliness of upgrades and/or connections?

Testimonials from customers that converted their homes to natural gas can be found here: [The secret to saving on heating costs – YouTube](#) and on the Enbridge gas [website](#).

With regard to the ease of finding qualified licensed heating, ventilation, and air conditioning (HVAC) contractors, Enbridge provides a list of contractors active within the project area to customers upon

³ Cost Electricity: \$18.6B operating revenues, OEB's 2022 yearbook and \$3.1B Renewable Cost Shift Subsid estimate, Financial Accountability Office of Ontario's Report, Ontario's Energy and Electricity Subsidy Programs, February 2022. Cost Gas: Total operating revenues for Ontario's gas distributors, OEB's 2022 yearbook.

⁴ Please note that regarding the cost of conversion for customers, it depends on numerous factors that would require careful consideration in order to develop a consumer conversion cost comparison. Enbridge does not have and cannot reasonably attain/assess this information at this time. Furthermore, consumer conversions from oil to non-natural gas energy solutions (i.e., high-efficiency electric cold climate air source heat pumps) and vice versa, are not within the scope of Enbridge's natural gas LTC Applications. However, operating costs are easier to estimate. Please refer to the operating costs figure below.



request with the disclaimer that the list of HVAC provided should not be considered comprehensive nor does it prohibit other contractors from participating in the community expansion program. Enbridge does not endorse or recommend specific contractors and recommends obtaining more than one quote from various sources. Enbridge also allows interested licensed contractors to be added to the distribution list.

3. What is your awareness about available government/industry subsidies and the ease of accessing incentives when converting a home to natural gas heating from other fuel types?

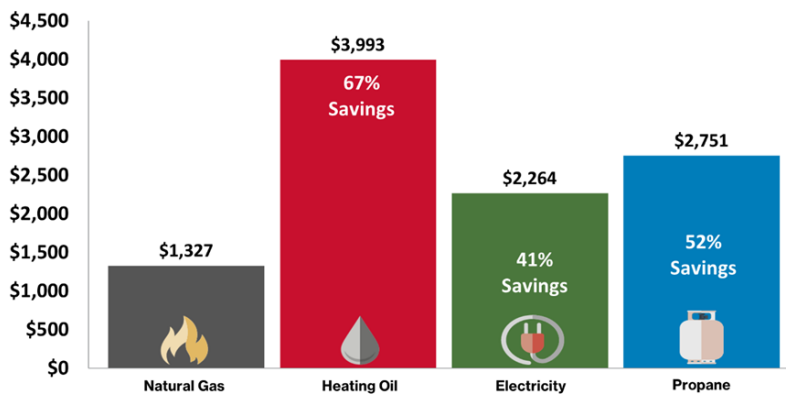
Enbridge Gas customers, including residents and businesses who are converting their heating to natural gas from other fuel types at the time they are participating in the NGEF program, have access to DSM programming which offers a number of opportunities to increase the efficiency of their building, lower energy usage and save on bills. In addition, there are several government programs that target various sectors to reduce energy and GHG emissions that are available to consumers. .

In summary, when converting a building to natural gas heating from other high emitting fuel sources, customers have access to government and Enbridge Gas DSM program rebates. The programs available for consumers make it financially attractive and accessible for building owners to improve energy efficiency while transitioning to gas.

4. Do you have any information on monthly or annual energy cost differences between natural gas, and the other fuel types/home heating systems? Please note any savings for households from using natural gas, based on your own experiences and/or your estimates and forecasts, if available. Please note your assumptions and all relevant context to the extent possible.

Enbridge Gas provides estimated costs and savings of natural gas to alternative fuel sources on its website, typically updated on a quarterly basis. See below for the most recent infographic. Notably, Enbridge Gas does not provide cost comparisons for electric cold climate air source heat pumps because such costs are highly variable.

Residential Annual Heating Bills (Rate 1)*



*Based on 2,400 m³ annual consumption.
 Notes: Natural gas price is based on Rate 1 rates in effect as of October 1, 2023. Oil and propane prices are based on the latest available retail prices. Electricity rates based on Toronto Hydro rates as of Jan. 1, 2023, and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. It includes the Ontario Electricity Rebate (OER). Electric cold climate air source heat pumps are available but not included in the savings calculations. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. The Federal carbon charge is included for all energy types as reported and expected to increase annually depending on government policies. HST is not included.



Theme 3: Natural Gas Expansion and Indigenous Communities

1. Are there any additional or unique concerns and priorities that you or your community experience or have identified regarding heating options, cost, and affordability?

While Enbridge does not purport to speak on behalf of Indigenous communities, Indigenous Engagement Advisors at Enbridge frequently hear Indigenous communities voice concerns about the costs associated with converting their heating source to natural gas. In many cases, the absence of funding and/or support programs that could help offset the conversion costs remain a barrier for Indigenous community members to take advantage of natural gas offerings in their communities. While conversion cost concerns are often brought up to Enbridge by Indigenous community members, Enbridge would recommend specific consultation with Indigenous communities to better understand their unique perspectives on this issue.

2. Are there any specific environmental concerns that you or your community feel should be considered or prioritized in current and future natural gas planning?

Enbridge completes Environmental Assessments in accordance with the Ontario Energy Board's (OEB) *Environmental Guidelines for Hydrocarbon Projects and Facilities in Ontario* (8th edition, 2023). Through this process, a thorough consultation and engagement program is completed to identify and address concerns brought forward by stakeholders, including Indigenous communities, regulators, and the general public. Mitigation measures are recommended and documented into an Environmental Report for the project to minimize impacts to the natural environment. Enbridge also completes post-construction reporting to the OEB, to demonstrate compliance with the mitigation measures and confirm restoration activities have been completed.

3. Are there any specific concerns or priorities that you or your community or organization associate with future natural gas planning (e.g., community involvement in the planning of natural gas infrastructure expansion, relevant economic opportunities, and partnerships)?

No comment

Theme 4: Future of Natural Gas Expansion

1. What applications (such as residential, industrial, commercial, or agricultural) should natural gas expansion focus on in the future? Where do you think further public investment in natural gas infrastructure makes sense and why?

The natural gas system provides access to an affordable, safe, reliable, and resilient energy source. To ensure the government is offering equitable access to affordable and reliable energy infrastructure, any community that expresses interest in access to the natural gas system should be considered for community expansion, as it provides opportunities to move away from higher emitting fuels for energy use. For example, homeowners using propane or heating oil are more likely to express interest in connecting to natural gas, as seen in Enbridge's recent market research survey results. Across six communities surveyed in 2022, the average percentage of respondents likely, very likely, or extremely likely to connect to natural gas if it became available was 77% in total. Looking at respondents with propane and oil fueled space heating, the average percentage likely/very likely/extremely likely to connect to natural gas was higher—85% and 80% respectively.⁵

⁵ The numbers provided are the average across six communities surveyed in 2022: Bobcaygeon, Cedar Springs, Cherry Valley, Eganville, Hidden Valley, Neustadt, Sanford, and Selwyn.



Economic development in the industrial and agricultural sectors can also be substantially bolstered by enhanced access to natural gas. Natural gas not only presents an affordable, reliable, and resilient alternative to higher-emission fuels but also fosters reductions in both operational expenses and GHG emissions for businesses. Furthermore, the strategic expansion to areas suitable for RNG production holds great promise for stimulating economic opportunities in the low-carbon fuel sector. Enbridge recommends that the government considers RNG production as an integral component of economic development initiatives.

In summary, Enbridge recommends that the government promotes equitable community expansion of the natural gas system to provide affordable, reliable, and resilient energy while reducing emissions and driving economic development in industrial and agricultural sectors, with support for RNG for low carbon fuel production.

2. Alternatively, what other energy technologies could be considered instead of natural gas expansion?

Low-carbon hydrogen and RNG can both be blended into the gas system directly, reducing the carbon intensity of natural gas and providing customers choice along their energy transition journey. Leveraging these technologies paired with natural gas expansion allows Ontarians a resilient decarbonization opportunity. Access to gas infrastructure in more rural communities allows for the connection of more remote sources of RNG, increasing the availability of this low carbon fuel that would otherwise not be brought to market. Future public investment in developing RNG or low-carbon hydrogen projects and their connection to the natural gas system are in alignment with government policy and safe bet actions Enbridge has proposed to undertake to advance energy transition in Ontario. Investments in these technologies support an orderly energy transition, and they provide cost-effective secure, reliable, and resilient energy for customers during the transition to a low-carbon economy.

3. What other alternative government initiatives do you think could be in place to support cost-effective home heating in Ontario?

New customers that elect to install a hybrid heating system, an electric heat pump paired with a condensing natural gas furnace, not only can reduce their emissions by converting to natural gas from a higher-emitting energy source, but also reduce their annual volumes as compared to a natural gas furnace, generating even greater emissions reductions. All while connecting to the safe, reliable, resilient, and affordable gas system. Expanding the Clean Home Heating Initiative can further reduce GHG emissions in Ontario for existing and prospective natural gas customers while also leveraging existing available electricity capacity without adding to the peak demand.

Additionally, Enbridge also recommends exploring alternatives to ratepayer funding, such as government subsidies funded through taxes, akin to electrical subsidies. This approach which would cost less than one half of a percent compared to annual electrical subsidies can help in ensuring equitable access to the affordability, reliability, and resiliency benefits that the gas system offers.

4. Do you think the government should have a larger role in identifying potential natural gas expansion projects to receive public funding, based on advice from the OEB and the project proponents?

No comment.



5. How does natural gas expansion fit with provincial, municipal, or community-level sustainability objectives as well as ongoing electrification trends? What are the potential risks and benefits?

Ontario’s gas system will continue to be instrumental to the province’s energy transition, as emphasized in the Ministry of Energy’s “Powering Ontario’s Growth Report”.⁶ The gas system is crucial today, as natural gas provides 30% of the province’s energy, and it is critical for enabling the delivery of low-carbon fuels, such as hydrogen and RNG, both of which are essential components in the transition away from higher emitting energy sources. Additionally, the CEO of the Independent Electricity System Operator (IESO) highlighted the significance of natural gas in Ontario’s energy transition in an op-ed for the Toronto Star.⁷ Moreover, as Ontario continues to build its “Driving Prosperity and Critical Minerals strategies”, the natural gas system plays a pivotal role in supporting jobs and economic growth in Ontario.

Benefits of the Gas System in the Energy Transition:

- **Transition Enabler:** The “Powering Ontario’s Growth Report” underscores the role of the natural gas system in facilitating a smooth transition away from higher emitting energy sources, ensuring the reliability and affordability of the energy supply, as articulated by the Ministry of Energy.
- **Resiliency:** The gas system is highly resilient not only to large changes in energy demands, but to extreme weather events. For example, the derecho that swept through Ontario in 2022, which according to the Insurance Bureau of Canada was the sixth largest insured loss event in Canada.⁸ Resiliency during these events is critical, as disruptions to energy delivery can cause widespread economic and societal impacts, including loss in productivity, as well as health and safety concerns for customers relying on energy for building space conditioning purposes. Access to Enbridge’s gas system provides prospective customers the opportunity to benefit from the inherent resilience of the gas pipeline system through uninterrupted delivery of natural gas during extreme weather events. In addition, where prospective customers elect to install generators, electricity outages can be mitigated.
- **Low-Carbon Fuel Delivery and Decarbonization Support:** The gas system can efficiently deliver low-carbon fuels, including hydrogen and RNG. Delivery of these low carbon fuels aligns with the Powering Ontario’s Growth report and the Canadian Energy Regulator’s “Canada’s Energy Future 2023” report, both of which focus on the need for a diversified approach to decarbonization.⁹ Hydrogen and RNG can contribute significantly to the reduction of carbon emissions across all sectors and, in particular, heavy industry, transportation, and power generation - together helping to achieve Ontario’s sustainability objectives. Customers attaching to the gas distribution system to switch away from higher emitting fuels immediately realize GHG emission reductions, which can grow over time as the gas supply is decarbonized. This supports Ontario’s 2030 emissions reductions targets and a net-zero future.
- **Reliability and Flexibility:** Reliable energy delivery is especially critical on the hottest and coldest days of the year when Ontarians are most reliant on energy supply to cool and heat their homes and businesses. Meeting seasonal and peak demands is a requirement of the system’s design and is fundamental to delivering the energy Ontarians need and want. Enbridge’s gas system is highly reliable, consistently meeting both seasonal and peak gas demands with few, if any, outages. As highlighted by the IESO CEO in her op-ed, natural gas provides a reliable and

⁶ <https://www.ontario.ca/files/2023-07/energy-powering-ontarios-growth-report-en-2023-07-07.pdf>

⁷ https://www.thestar.com/opinion/contributors/how-ontario-is-working-towards-a-zero-emissions-energy-grid/article_48db21d2-506a-5f7f-a338-fda3034a36af.html

⁸ Insurance Bureau of Canada. (2022 June 15). Derecho Storm Ranks 6th Largest Insured Loss Event in Canadian History. <https://www.ibc.ca/news-insights/news/derecho-storm-ranks-6th-largest>

⁹ <https://www.cer-rec.gc.ca/en/data-analysis/canada-energy-future/2023/canada-energy-futures-2023.pdf>



flexible energy source, which is crucial for maintaining energy security and affordability in the province's transition away from higher emitting energy solutions.

- **Support for Economic Growth:** The gas system plays an essential role in supporting Ontario's Driving Prosperity and Critical Minerals strategies while creating jobs and driving economic prosperity.

To that effect, Enbridge would like to highlight some of the areas in Ontario that would benefit from increased access to natural gas from an economic development and job creation standpoint, specifically:

- Enbridge is seeing an increased interest in the Nanticoke (Haldimand County) area across all sectors. This area, located at the end of Enbridge's natural gas infrastructure at Lake Erie, would benefit from increased access to the natural gas system.
- Enbridge is also seeing an increased interest across all sectors in Eastern Ontario, specifically in the area roughly from Brockville to Cardinal. From ports to heavy industry, to greenhouses and more, this area is growing substantially and would benefit from increased access to the natural gas system for jobs and economic development. In addition, with consideration for the future decarbonization of heavy industry and ports in this area, expanded access to the gas system enables an economical means of providing RNG and or low-carbon hydrogen for these hard to decarbonize sectors.
- Southwestern Ontario is, across the board, showing substantial industrial growth with virtually all areas being looked at for expansion by major industrial clients and related supplier industries to those clients.
- In Northern Ontario, the North Bay-Sudbury-Espanola area would benefit as well from increased access to the natural gas system for economic growth and job creation.
- The agricultural industry across Ontario would benefit from enhanced access to the gas system by reducing costs in the industry, specifically those related to grain drying and building heat.
- While conversion costs remain a barrier, many Indigenous communities remain interested in increased access to affordable energy options.

In summary, the expansion of the natural gas system in Ontario is essential for the energy transition and aligns with both sustainability and economic growth objectives. It serves as a reliable and cost-effective means of delivering low-carbon fuels like hydrogen and RNG, contributing to the reduction of carbon emissions while fostering job creation and economic prosperity in the region.

Conclusion

If you have any questions or require additional information, please do not hesitate to contact Islam Elsayed, Senior Advisor, Government Affairs (islam.elsayed@enbridge.com).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1, Attachment 2

Question(s):

- a) Please provide the most up-to-date information on the federal government's existing and announced grants, loans, and other incentives for heat pumps.
- b) Please provide an estimate of the number of customers in the project area that would qualify for the new federal program.
- c) Please provide any studies or analysis that Enbridge has completed on the impact of this programming on the likely number of customers attaching to the proposed pipeline.
- d) Please provide any studies or analysis that Enbridge has completed on the impact of current high gas prices on the likely number of customers attaching to the proposed pipeline.

Response:

- a) As a natural gas utility, Enbridge Gas is not in a position to provide information regarding programs for electric end-use equipment which the Company does not administer. Please refer to the Canada Greener Homes program website for information on loans and other incentives currently offered by the federal government for qualifying heat pumps:

<https://natural-resources.canada.ca/energy-efficiency/homes/canada-greener-homes-initiative/24831>

Please note that the information set out above, including available grants and program eligibility requirements, is current as of the date of this filing and is subject to change.

The Canada Greener Homes Grant program delivered by Enbridge Gas has been closed to new applicants effective February 5, 2024; however, all consumers who have entered the program before this cut-off date will be given the opportunity to complete the program according to the terms and conditions. The Contribution Agreement with Enbridge Gas and Natural Resources Canada (NRCan) remains in effect for the full term.

It is the Company's understanding that NRCan has indicated there will be a new program for low and moderate income households. The Company does not have details about this potential new program at this time.

- b) The Company does not have the requested information regarding the number of customers in the Project area that could be eligible for any new federal program.
- c) – d)

Enbridge Gas has not completed any studies or analyses on the topics referenced by ED. The attachment forecast is based on the energy interests expressed by actual residents and business-owners within the Project area, which intrinsically incorporates all factors including financial and non-financial considerations. Enbridge Gas believes that the updated attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased ELC.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) Please confirm that Canada's 2030 Emissions Reduction Plan includes a projection for carbon emissions associated with buildings to decline by 41% by 2030 from 2019 levels (to 53 CO₂e from 91 CO₂e) and that it plans for a 22% reduction by 2026 from 2019 levels (to 71 CO₂e from 91 CO₂e).¹ If not, please explain.
- b) Please confirm that Canada's 2030 Emissions Reduction Plan has formal legal status under s. 9 of the Canadian Net-Zero Emissions Accountability Act in relation to the legally binding targets under that Act.² If not, please explain.
- c) Please confirm that Canada has committed to net-zero emissions from electricity generation by 2035. If not, please explain.
- d) Approximately what percent of Ontario's GHG emissions arise from the combustion of methane gas?
- e) Approximately what percent of Ontario's GHG emissions arise from the combustion of methane gas in buildings?
- f) What are the combustion emissions from methane gas (t CO₂e / m³)?
- g) Based on the default value in the Clean Fuel Regulations, what are the upstream GHG emissions from methane gas (t CO₂e / m³)?
- h) How much do upstream emissions add to the combustion emissions of methane gas (%) when undertaking a lifecycle analysis of methane gas use?

¹ <https://www.canada.ca/en/environment-climate-change/news/2022/03/2030-emissions-reduction-plan--canadas-next-steps-for-clean-air-and-a-strong-economy.html>

² *Canadian Net-Zero Emissions Accountability Act*, s. 9.

Response:

- a) Not confirmed. The Government of Canada has set an economy-wide emissions reduction target of 40-45% below 2005 levels by 2030. This is stated in the 2030 Emissions Reduction Plan, on page 15.³

On June 29, 2021, the Canadian Net-Zero Emissions Accountability Act (the Act) became law. The Act marks the first time a Canadian government has legislated emissions reductions accountability to address climate change. The Act sets legal requirements for current and future governments to plan, report, and course correct on the path to net-zero emissions by or before 2050. It enshrines in legislation Canada's 2030 Nationally Determined Contribution under the Paris Agreement, which is to reduce emissions by 40-45% below 2005 levels, as announced by Prime Minister Trudeau in April 2021.

On page 88 of the same document, the Government of Canada has provided the reduction potential of various sectors, including the building sector; however, it is noted in the document that these are projected sectoral contributions, not sectoral targets, and that emissions reductions ultimately contributed by each sector are likely to vary over time. On pages 36 and 37, the Government of Canada has provided a high-level overview of actions and investments being taken to achieve greenhouse gas (GHG) reductions within the building sector; however, the GHG reductions to be achieved from these actions and investments are not stated. Development and enactment of policies and regulations is required to implement these actions and investments.

- b) Confirmed. However, it is important to note that the *Canadian Net-Zero Emissions Accountability Act* does not mandate specific targets for different sectors of the economy or jurisdictions. Rather, the statute requires the federal government to establish national targets and assess and report on the progress made over time.
- c) Confirmed. Environment and Climate Change Canada (ECCC) published the draft Clean Electricity Regulations (CER) on August 19, 2023 (with a public update on February 14, 2024), which is intended to drive progress towards reducing greenhouse gas emissions from electricity generation beginning in 2035. To support affordability and reliability while achieving net zero, ECCC has proposed a technology neutral and non-prescriptive approach, which will allow solutions such as carbon capture and storage, co-firing fossil fuels with low-carbon fuels or switching to low-carbon fuels to achieve compliance.⁴ Additionally, ECCC is also proposing to allow electrical generation units commissioned before 2025 to become subject to the CER at the end of their prescribed life (20 years or possibly longer) and to operate unabated during emergency circumstances.

³ [En4-460-2022-eng.pdf \(publications.gc.ca\)](#)

⁴ <https://www.gazette.gc.ca/rp-pr/p1/2023/2023-08-19/html/reg1-eng.html>

- d) The percentage of Ontario's annual GHG emissions that are attributable to natural gas combustion is 34 percent⁵, as of 2022, the most recent year for which data was available.
- e) The percentage of Ontario's annual GHG emissions that are attributable to natural gas combustion by commercial, institutional and residential consumers is 18 percent⁶, as of 2022, the most recent year for which data was available.
- f) Methane gas can be derived from geological sources (i.e., natural gas) and biogenic sources (i.e., renewable natural gas (RNG)). The emission factor for the combustion of marketable natural gas in Ontario as published by the Government of Canada is 0.00193 tCO₂e/m³ of natural gas⁷, and 0.39 gCO₂e/MJ (0.00001524 t CO₂e/m³)⁸ for RNG. Emission factors as published by the Government of Canada represent emissions released during the combustion phase of a fuel. These emission factors do not represent lifecycle carbon intensities and emissions related to the extraction, processing, storage, or transportation and distribution (i.e., upstream phases) of fuel.
- g) See the response at Exhibit I.ED-38 part d) for the upstream related emissions for geologically derived methane as provided in the Clean Fuel Regulation. The Clean Fuel Regulation does not provide a default carbon intensity for biogenically derived methane (i.e., RNG) as the carbon intensity and emissions or avoided emissions from the upstream phases of RNG production depend on the specific processes and feedstocks used to produce RNG. In June 2024, Environment and Climate Change Canada (ECCC) published the Clean Fuel Regulation Credit Market Report⁹, that identified an average carbon intensity of 29.7 gCO₂ e/MJ (0.00112 tCO₂ e/m³) for RNG. This average carbon intensity was based on carbon intensities approved by ECCC from 17 different RNG facilities; however, the types of RNG were not identified. The California Air Resources Board publishes the certified carbon

⁵ Based on natural gas consumption data from Statistics Canada (Canadian Monthly Natural Gas Distribution, Table 25-10-0059-01) and GHG emissions data from Environment Canada (2024 National Inventory Report, Table A12-7). Emissions from natural gas combustion in Ontario were 53.5 Million tCO₂e in 2022. Total GHG emissions in Ontario were 157.0 Million tCO₂e in 2022.

⁶ Based on natural gas consumption data from Statistics Canada (Canadian Monthly Natural Gas Distribution, Table 25-10-0059-01). Emissions from natural gas combustion by commercial, institutional and residential consumers were 28.2 Million tCO₂e in 2022.

⁷ Environment and Climate Change Canada. 2024. National Inventory Report – 2024 Edition. Tables A6.1-1 and A6.1-3. [En81-4-2022-2-eng.pdf \(publications.gc.ca\)](#)

⁸ Government of Canada. 2023. Greenhouse Gas Emissions Projections. Table A.30: Mass of CO₂e emissions emitted per quantity of energy for various fuels. [Greenhouse gas and air pollutant emissions projections – 2023 - Canada.ca](#). Emission factored converted to TCO₂e/m³ RNG using a higher heating value of 0.03909 GJ/m³.

⁹ Government of Canada. 2024. Clean Fuel Regulations Credit Market Report, June 2024. [Clean Fuel Regulations credit market report, June 2024 - Canada.ca](#)

intensities for fuels participating in the Low Carbon Fuel Standard Program¹⁰ and as of June 14, 2024, the lowest currently certified carbon intensity for RNG used as a CNG vehicle fuel was negative (-)532.74 gCO_{2e}/MJ (-0.0208 tCO_{2e}/m³) from dairy manure derived RNG supplies, indicating that RNG supplies are capable of avoiding significant amounts of upstream related emissions.

- h) Based on the proposed updated carbon intensity for natural gas in the Clean Fuel Regulation, the upstream related emissions for geologically derived methane represent 17 percent of the total lifecycle emissions. For biogenically derived methane, depending on the type of feedstock, the upstream production of RNG has the potential to avoid up to 533.13 gCO_{2e} /MJ of emissions. Compared to geologically derived methane, biogenically derived methane represents a potential to avoid 52 times¹¹ the amount of upstream related emissions.

¹⁰ California Air Resources Board. 2024. Certified Fuel Pathway Table.
https://ww2.arb.ca.gov/sites/default/files/classic/fuels/lcfs/fuelpathways/current-pathways_all.xlsx

¹¹ Estimation of avoided upstream related emissions for biogenically derived RNG (diary manure feedstock certified carbon intensity from California Air Resources Board) calculated as -532.74 gCO_{2e}/MJ lifecycle emissions (carbon intensity) subtracting 0.39 gCO_{2e}/MJ combustion related emissions. Avoided upstream related emissions from biogenically derived methane (532.74 gCO_{2e}/MJ) were divided by upstream emissions from geologically derived methane (10.34 gCO_{2e}/MJ) to estimate the potential for RNG to avoid upstream related emissions as 52 times that as geologically derived natural gas.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

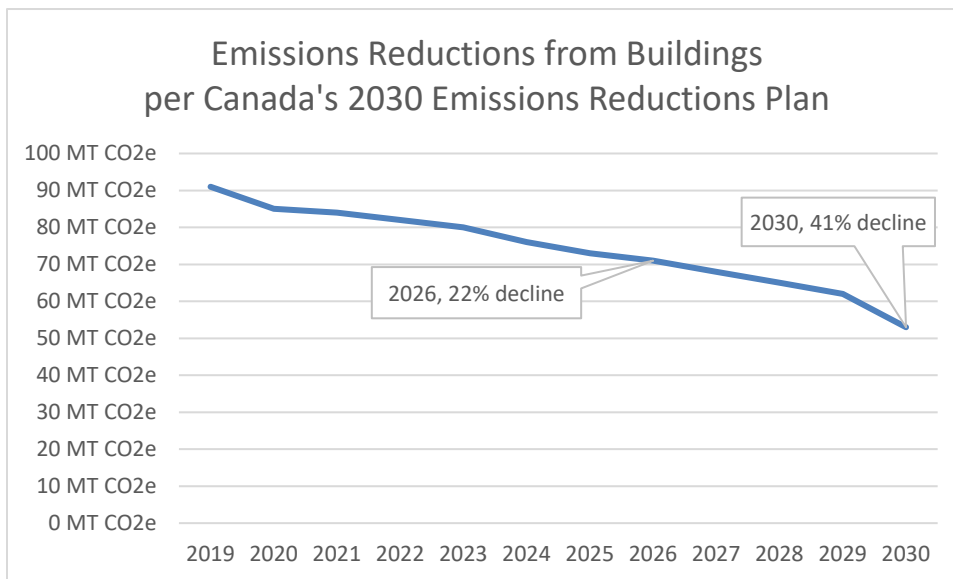
Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) Please confirm that the following chart accurately depicts a projection of emissions reductions from buildings per Canada's 2030 Emissions Reduction Plan.¹ If not, please prepare a chart that Enbridge believes is accurate:



- b) Does Enbridge agree that Canada's 2030 Emissions Reduction Plan is likely to impact the customer attachment forecast through future policies that cause some customers to choose electric heat pumps over gas? If not, please explain.

¹ For the underlying numbers, see here: *2030 Emissions Reduction Plan – Canada's Next Steps for Clean Air and a Strong Economy* (<https://www.canada.ca/en/environment-climate-change/news/2022/03/2030-emissions-reduction-plan--canadas-next-steps-for-clean-air-and-a-strong-economy.html>).

Response:

- a) The data for the graph on page 88 of Canada's 2030 Emissions Reduction Plan is the potential greenhouse gas (GHG) reductions by sector, not a planned amount or target. The information is publicly available on the Government of Canada's website.² The graph provided by Environmental Defence appears to be an accurate representation of the information available on that website.
- b) No. The attachment forecast for the proposed Project is based on the known energy preferences expressed by actual residents and business-owners within the Project area, which intrinsically incorporate all factors including financial and non-financial considerations. Enbridge Gas believes that the updated attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased ELC. Future policies arising from Canada's 2030 Emissions Reduction Plan have yet to be drafted or proposed, so any material impacts to the customer attachment forecast cannot yet be clearly understood.

Enbridge Gas expects that Canada's 2030 Emissions Reduction Plan will require changes in the use of natural gas; however, it is not known at this time what those changes might be, due to:

- i. Factors that could increase the volume of gas flowing through the system including fuel switching from higher emitting fuels to natural gas, and displacement of natural gas via blended fuels like hydrogen.
- ii. Some customers could maintain their current natural gas consumption and pair it with carbon capture, utilization and storage (CCUS) or renewable natural gas (RNG).
- iii. The adoption of emissions reduction energy solutions like hybrid heating would reduce customers' annual natural gas consumption; however, it may not reduce Enbridge Gas's design day demand or design hour demand, which is what is used to design its natural gas transmission and distribution systems.

Enbridge Gas's existing 150,000 kms of underground energy infrastructure provides energy resiliency and optionality at a low cost; therefore, existing customers could retain their peak capacity in order to preserve their ability to utilize existing gas generators, gas fireplaces, gas cooktops, or gas pool heaters when/if required. In such instances, even if such customers replace certain of their existing natural gas appliances with electric appliances (which would come at an added capital cost and

² <https://www.canada.ca/en/services/environment/weather/climatechange/climate-plan/climate-plan-overview/emissions-reduction-2030.html>

is unlikely to occur immediately), peak natural gas demand could remain unchanged. Further, if customers place increased value on energy resilience and optionality in the future (e.g., should the frequency and severity of extreme weather events increase, or electrical system reliability/resilience decline) efficiency gains made via electrification could be offset by growth in customers seeking resiliency via gas system-based back-up.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) Please provide the most up-to-date information on the federal government's existing and announced grants, loans, and other incentives for heat pumps.
- b) Please confirm whether each of the following statements is true. If not, please explain why:
 - i. The federal government is now providing \$10,000 in incentives for customers to switch from oil to high-efficiency electric heat pumps if they earn a median income or lower (e.g., \$122,000 after-tax income for a family of 4 in Ontario) through the Oil to Heat Pump Affordability Program;¹ and
 - ii. The federal government is now providing up to \$40,000 in interest free loans, which can be put towards conversions to electric heat pumps, and not gas equipment, through the Greener Homes Loan.²
- c) Further to (b)(ii) above, please provide a table showing the median income for Ontario that serves as the eligibility threshold for the Oil to Heat Pump Affordability Program?
- d) Please provide an estimate of the number and percent of residents in the project area that would be eligible for Oil to Heat Pump Affordability Program. This could be done, for example, based on statistics for the percent households at or below the eligibility threshold in the area or region.
- e) Please compare the cost of converting from oil to (i) gas versus (ii) an electric cold climate heat pump, accounting for two rebates noted above.

¹ <https://natural-resources.canada.ca/energy-efficiency/homes/canada-greener-homes-initiative/oil-heat-pump-affordability-program-part-the-canada-greener-homes-initiative/24775>.

² <https://natural-resources.canada.ca/energy-efficiency/homes/canada-greener-homes-initiative/canada-greener-homes-loan/24286>

Response:

a - c)

Please see the response at Exhibit I.ED-33 part a).

Please refer to publicly available websites for each program below:

- i. <https://www.enbridgegas.com/residential/rebates-energy-conservation/home-efficiency-rebate-plus>
- ii. <https://natural-resources.canada.ca/energy-efficiency/homes/canada-greener-homes-initiative/oil-heat-pump-affordability-program/24775>
- iii. <https://natural-resources.canada.ca/energy-efficiency/homes/canada-greener-homes-initiative/canada-greener-homes-loan/24286>

d) The Company does not have the requested information regarding the number or percent of residents in the Project area that could be eligible for the Oil to Heat Pump Affordability Program. In addition, this is not a program that is administered by the Company.

e) There are numerous factors that would require careful consideration in order to develop a consumer conversion cost comparison from oil to a non-natural gas energy solution (i.e., high-efficiency electric cold climate air source heat pumps which are the basis of ED's request). The Company does not have and cannot reasonably attain/assess this information at this time. Furthermore, consumer conversions from oil to non-natural gas energy solutions (i.e., high-efficiency electric cold climate air source heat pumps) and vice versa, are not within the scope of the Company's natural gas leave to construct Applications. Please see the response at Exhibit I.ED-1 part a) for more information.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Preamble:

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Question(s):

(a) Please confirm how much additional annual subsidy individuals and families qualified under the Ontario Electricity Support Program can receive if they heat their home with electricity? Please provide the table with this information found at <https://ontarioelectricitysupport.ca/FAQ>.

(b) Please provide an estimate of the number and percent of residents in the project area that would be eligible for the Ontario Electricity Support Program. This could be done, for example, based on statistics for the percent of households receiving social assistance.

Response:

a - b)

As a natural gas utility Enbridge Gas is not in a position to provide information regarding electricity subsidies or related support programs which the Company does not administer. The Company understands that information regarding the same is publicly available via the following OEB webpage:

<https://ontarioelectricitysupport.ca/FAQ>

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) Does Enbridge agree that government policies or market forces related to decarbonization could impact the customer attachment or revenue forecasts? If not, please justify the response.
- b) What are the lifetime volumes of gas (m³) and carbon emissions (CO₂e) corresponding to the 40-year customer attachment and revenue forecasts in relation only to emissions from end-use combustion?
- c) What are the lifetime carbon emissions (CO₂e) corresponding to the 40-year customer attachment and revenue forecasts in relation only to upstream emissions (i.e. extraction and transportation)?
- d) In EB-2020-0066, Exhibit JT1.714, Enbridge estimated 14 gCO₂e/MJ related to upstream extraction, processing, transportation and distribution of gas.¹ Does Enbridge still believe this is the best estimate of upstream emissions? If not, please provide Enbridge's best estimate of upstream emissions.
- e) What are the lifetime carbon emissions (CO₂e) corresponding to the 40-year customer attachment and revenue forecasts in relation only to unburned methane from customer equipment (i.e. extraction and transportation)?²
- f) What is Enbridge's best estimate of the emissions (gCO₂e/MJ & tCO₂e/m³) arising from unburned methane emissions from customer equipment?

¹ See page 398: <http://www.rds.oeb.ca/HPECMWebDrawer/Record/680679/File/document>

² Any of the following sources could be used as an emissions factor: Quantifying Methane Emissions from Natural Gas Water Heaters ([link](#)); Unburned Methane Emissions from Residential Natural Gas Appliances ([link](#)); An Estimate of Natural Gas Methane Emissions from California Homes ([link](#)); Beyond-the-Meter: Unaccounted Sources of Methane Emissions in the Natural Gas; Distribution Sector ([link](#)); Methane and NO_x Emissions from Natural Gas Stoves, Cooktops, and Ovens in Residential Homes ([link](#)).

- g) Please confirm that the methane emissions cited in the following reference are only the methane emissions from combustion, not from leaks, and if Enbridge disagrees, please explain with excerpts: Ontario Ministry of the Environment and Climate Change. (2017, November). Guideline for Quantification, Reporting and Verification of Greenhouse Gas Emissions. Table 20-3 and Table 20-4. https://prod-environmental-registry.s3.amazonaws.com/2018-01/013-1457_d_Guide.pdf.
- h) What are the emissions from the combustion of gas in Ontario (gCO₂e/MJ & tCO₂e/m³)?

Response:

- a) No. The Project-specific attachment/revenue forecast(s) is based on the current known energy preferences expressed by actual residents and business-owners within the Project area, which intrinsically incorporate all factors including financial and non-financial considerations. Enbridge Gas believes that the updated attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased ELC.

Enbridge Gas notes that the market research undertaken in Q2 2023, set out in Exhibit B, Tab 1, Schedule 1, Attachment 4, indicates that with the equipment conversion cost, an additional surcharge for space and water heating equipment and the federal carbon pricing program, 76% of respondents overall are likely to convert their space heating systems and/or water heaters to natural gas.

- b) – c) and e)

Enbridge Gas does not prepare 40-year customer attachment, demand and/or revenue forecasts. Accordingly, Project-related lifetime gas volumes and greenhouse gas emissions related to end-use combustion, upstream emissions and un-burned methane emissions cannot reasonably be estimated at this time.

- d) On December 15, 2023, Environment and Climate Change Canada (ECCC) issued a pre-publication notice of an update to the carbon intensity of natural gas to be used within the lifecycle assessment model for the Clean Fuel Regulation³ for natural gas consumed within Canada. The proposed values are based on 2021 data.

³ Environment and Climate Change Canada. 2023. Updated carbon intensity of natural gas and propane. <https://data-donnees.az.ec.gc.ca/api/file?path=%2Fclimate%2Fframework%2Ffuel-life-cycle-assessment-model%2FEnglish%2FZ-Archive%2FPre-publications%20for%202023%20to%202024%20%2F2023.12.15%20Updated-carbon-intensity-of-natural-gas-and-propane%2FReadme-Pre-publication-Updated-carbon-intensity-of-natural-gas-and-propane.pdf>

In June 2024, ECCC updated the lifecycle assessment model for the CFR using the pre-publication carbon intensity values for natural gas. The average emissions from the upstream production, transportation and distribution of natural gas consumed within Canada are 10.34 gCO₂e/MJ. It should be noted that the origination of gas supplies consumed within Ontario will vary regionally and may differ from the proposed national average value.

- f) Based on the 2024 National Inventory Report (NIR)⁴ Enbridge Gas estimates the amount of unoxidized (i.e., unburned) methane in the combustion of natural gas in residential equipment at 0.037 gCH₄/m³ (1.04 x 10⁻⁶ tCO₂e/m³ or 0.0265 gCO₂e/MJ⁵) of natural gas.
- g) Confirmed.
- h) As reported in the 2024 NIR, the emissions from combustion of natural gas in residential, construction, commercial/institutional and agricultural sectors in Ontario are 0.001931 tCO₂e/m^{3,6} or 49.4 gCO₂e/MJ⁵.

⁴ Environment and Climate Change Canada. 2024. National Inventory Report. Table A6.1-3. [En81-4-2022-2-eng.pdf \(publications.gc.ca\)](#).

⁵ As converted to energy units using a higher heating value of 0.03909 GJ/m³

⁶ Environment and Climate Change Canada. 2024. National Inventory Report. Tables A6.1-1 and A6.1-3. [En81-4-2022-2-eng.pdf \(publications.gc.ca\)](#)

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) Is the price of gas and/or the incentives available for electric heat pumps impacting the customer attachments in community expansion projects? Please explain the answer.
- b) To help us explore the question in (a), please complete the following tables and prepare a chart for each showing the trendline. For the second table, please divide the annual forecast by 12 to generate a monthly forecast figure.

Customer Attachments in Community Expansion Locations by Month				
	Jan 2020	Feb 2020	...	June 2024
Number of customer attachments				

Customer Attachments in Community Expansion Locations by Month Percent of Forecast				
	Jan 2020	Feb 2020	...	June 2024
Number of customer attachments as % of forecast				

- c) Please provide a table of each community expansion project with columns for (i) the in-service date, (ii) the forecast customer connections as of June 2024, and (iii) the actual connections as of June 2024, and (iv) the variance between (ii) and (iii).
- d) Please ensure that data from Hidden Valley, Selwyn, and the Mohawks of the Bay of Quinte First Nation is included.

Response:

a) Enbridge Gas has not completed any studies or analyses on the topics in question. The Project-specific attachment forecast is based on the energy interests expressed by actual residents and business owners residing/located within the Project area, which intrinsically incorporates all factors, including financial and non-financial considerations. Enbridge Gas believes that the Project's attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased ELC.

b - d)

Please see Attachment 1 in response to part b)¹ and Attachment 2 in response to part c). Please note:

- i. The Company forecasts and tracks actual attachments by year and not by month. As such, the Company has provided the requested information in an annual format and not a monthly format. The Company cautions against using a trendline for the purposes described by ED in the interrogatory, as there could be multiple financial and non-financial drivers of the rate of attachment in different communities.
- ii. The Company cautions against making conclusions based on selective factors such as those described by ED in the interrogatory. There are several factors that can impact/have impacted actual attachment rates, including but not limited to:
 - Government-imposed lockdowns on construction activities due to the COVID-19 pandemic; and,
 - Supply chain constraints caused by geo-political conflicts and the COVID-19 pandemic, impacting the cost and availability of input materials for both Enbridge Gas and home construction activities.
- iii. In some cases, lower attachments rates in later years can be driven by more customers attaching to the natural gas system in earlier years than forecasted (for example see Milverton and Rostock/Wartburg, Prince Township, and Fenelon Falls in Attachment 1). This early attachment activity can be an indication of high customer interest in attaching to the natural gas system, rather than an indication of a declining trend in interest.

¹ Figures previously reported under EB-2023-0201 (Exhibit I.ED-39, Attachment 1) have been updated as a result of internal reporting improvements. The updates are not material. Actuals are as of October 2024.

- iv. For the purposes of the figures provided in Attachment 1 to this response, “actual attachment” is defined as a customer that is consuming natural gas, as opposed to a customer with a meter that is installed but not yet consuming natural gas.
 - i. For this reason, some projects that report 0 in the first year of attachments have services installed but not unlocked by an HVAC service provider in the area.

- v. The 10 year attachment horizon and the 10 year RSP term starts at the reported in-service date. The in-service date does not always align with the start of calendar year and therefore actual tracking may extend into the 11th calendar year (to complete the full 10 year term).

Comparison of Forecasted and Actual Customer Attachments

<u>Milverton and Rostock/Wartburg</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>
Forecast Customer Attachments (#/yr)	0	185	163	67	51	42	50	44
Actual Customer Attachments (#/yr)	23	294	115	117	61	33	54	16
Number of Actual Customer Attachments as % of Forecast	N/A	158.9%	70.6%	174.6%	119.6%	78.6%	108.0%	36.4%

<u>Kettle and Stoney Point First Nation and Lambton Shores</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>
Forecast Customer Attachments (#/yr)	158	68	27	18	14	17	15	17
Actual Customer Attachments (#/yr)	9	139	46	21	14	7	9	6
Number of Actual Customer Attachments as % of Forecast	5.7%	204.4%	170.4%	116.7%	100.0%	41.2%	60.0%	35.3%

<u>Moraviantown First Nation (exceeded 10 yr customer Forecast)</u>		<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
Forecast Customer Attachments (#/yr)		23	5	2	2	1	1	1
Actual Customer Attachments (#/yr)		21	11	2	4	0	0	0
Number of Actual Customer Attachments as % of Forecast		91%	220%	100%	200%	0%	0%	0%

<u>Prince Township</u>		<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
Forecast Customer Attachments (#/yr)		76	68	26	19	15	19	16
Actual Customer Attachments (#/yr)		113	44	33	12	8	11	4
Number of Actual Customer Attachments as % of Forecast		149%	65%	127%	63%	53%	58%	25%

<u>Fenelon Falls</u>		<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
Forecast Customer Attachments (#/yr)		0	123	344	383	307	216	162
Actual Customer Attachments (#/yr)		15	367	272	83	69	62	20
Number of Actual Customer Attachments as % of Forecast		N/A	298%	79%	22%	22%	29%	12%

<u>Chippewa of the Thames First Nation</u>			<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
Forecast Customer Attachments (#/yr)			19	18	1	1	1	1
Actual Customer Attachments (#/yr)			23	13	5	0	0	0
Number of Actual Customer Attachments as % of Forecast			121%	72%	500%	0%	0%	0%

<u>Saugeen First Nation</u>				<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
Forecast Customer Attachments (#/yr)				30	27	8	6	3
Actual Customer Attachments (#/yr)				14	9	5	5	4
Number of Actual Customer Attachments as % of Forecast				47%	33%	63%	83%	133%

Number of Actual Customer Attachments as % of Forecast							40%	141%
Selwyn								2024
Forecast Customer Attachments (#/yr)								34
Actual Customer Attachments (#/yr)								29
Number of Actual Customer Attachments as % of Forecast								85%
Mohawks of the Bay of Quinte								2024
Forecast Customer Attachments (#/yr)								45
Actual Customer Attachments (#/yr)								50
Number of Actual Customer Attachments as % of Forecast								111%
TOTAL	2017	2018	2019	2020	2021	2022	2023	2024
Forecast Customer Attachments (#/yr)	158	352	405	620	740	648	516	453
Actual Customer Attachments (#/yr)	32	582	606	544	552	336	308	202
Number of Actual Customer Attachments as % of Forecast	20%	165%	150%	88%	75%	52%	60%	45%

Comparison of Forecasted and Actual Customer Attachments

	(i) In service date	(ii) Forecasted customer attachments as of the end of 2024	(iii) Actual attachments to date	(iv) Variance
<u>Milverton and Rostock/Wartburg</u>	12/20/2017	602	713	111
<u>Kettle and Stoney Point First Nation and Lambton Shores</u>	12/19/2017	317	251	66
<u>Moraviantown First Nation (exceeded 10 yr customer Forecast)</u>	7/30/2018	35	38	3
<u>Prince Township</u>	9/18/2018	239	225	14
<u>Fenelon Falls</u>	10/1/2018	1535	888	-647
<u>Chippewa of the Thames First Nation (exceeded 10 yr customer Forecast)</u>	10/28/2019	41	41	0
<u>Saugeen First Nation</u>	5/1/2020	74	37	-37
<u>Northshore and Peninsula Rd (exceeded 10 yr customer Forecast)</u>	11/4/2020	98	159	61
<u>Scugog Island First Nation</u>	4/12/2020	658	526	-132
<u>Brunner (Perth East) (exceeded 10 yr customer Forecast)</u>	5/17/2022	31	44	13
<u>Burk's Falls</u>	11/3/2022	31	11	-20
<u>Kenora District (Highway 594) (exceeded 10 yr customer Forecast)</u>	8/19/2022	21	29	8
<u>Stanley's Olde Maple Farms (exceeded 10 yr customer Forecast)</u>	5/18/2022	10	12	2
<u>Haldimand Shores</u>	2/8/2023	57	63	6
<u>Hidden Valley</u>	11/9/2023	47	46	-1

<u>Selwyn</u>	12/1/2023	34	29	-5
<u>Mohawks of the Bay of Quinte</u>	1/22/2024	45	50	5

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) What is the annual average consumption (m³) and annual average distribution revenue (\$) per residential customer assumed by Enbridge in this proceeding?
- b) What is the annual average consumption (m³) and annual average distribution revenue (\$) per residential customer being realized by Enbridge in its other community expansion projects? Please provide all underlying calculations. If possible, please make an adjustment for customers attaching mid-year.

Response:

- a) The weighted average consumption and annual distribution revenue for a residential customer within the East Gwillimbury Project scope is included in Attachment 1 to Exhibit I.ED-25.
- b) The analysis set out in Attachment 1 to this response was completed by taking the sum of all monthly consumption and distribution revenue data for all residential customers attached to in-service NGE Phase 1 and 2 projects (across all rate zones) and dividing by the total number of bills (or data points) to derive a single monthly average per customer. The summation of the monthly averages was then taken to derive an average annual consumption and distribution revenue total.

Based on the analysis completed, the annual average consumption for a residential customer is 2,354 m³/year and the annual average distribution revenue for a residential customer is \$465.

Assumptions and Notes:

- Consumption and revenue data for cycles of 27 to 33 days were used. Shorter consumption cycles were omitted as they would not be fully representative of an average month.
- Consumption values of zero were removed to eliminate customers that have not yet started consuming gas (duration between install and HVAC unlock).
- The sample of projects relied upon includes variable quantities/quality of data from past NGEF projects across the Company's service territory. The quantity of attachment data available for each project varies depending on the size of the project and the in-service date. Therefore, calculated averages are weighted more heavily towards projects with more data points.

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Please see Exhibit I.ED-40_Attachment 1.xlsx on the OEB's RDS.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) Please reproduce the table provided in EB-2022-0200, Exhibit JT3.16, adding rows to show: the average revised forecast PI (weighted by final cost) and the total of column xi (shortfall).
- b) Please explain the reasons for the shortfalls in the Fenelon Falls and Scugog Island projects.
- c) Please provide an updated version of the table in (a) that has the latest available information.
- d) Please confirm that EPCOR scaled down its Brockton Gas Expansion Project to ensure that it would achieve a profitability index of 1 after changes to the project costs.
- e) In a scenario where the revenue forecast was reduced by 25% (or assuming that the OEB ordered Enbridge to be 25% more conservative), how would Enbridge scale down its project to ensure that it meets a profitability index of 1.
- f) Please provide a map showing all potential farm customers that have expressed interest in connecting to the gas system?
- g) How much could Enbridge reduce the cost of the project if it were to remove all portions of the project that are not necessary to connect farms that have expressed interest in a connection? Please provide a draft map reflecting this change? How many kms could be reduced?

Response:

a) Please see Attachment 1 for EB-2022-0200, Exhibit JT3.16, which includes the table requested by ED. The weighted average revised forecast PI is 0.63.¹ The total shortfall for projects with a revised forecast PI of less than 1.0 is \$44,904,484. Enbridge Gas cautions against drawing conclusions regarding the Project using selective information from other projects. Each project is unique with various considerations that may not apply to other projects.

b) The reasons for shortfalls in Fenelon Falls and Scugog Island Community Expansion projects are explained as follows:

i) Fenelon Falls

- Complexity of Construction:

While the original project estimate was prepared with the best information available at the time, the cost of construction proved to be significantly higher, mainly driven by encountering significantly more rocks than originally anticipated, driving up the project cost for both mains and services.

- Labour and Construction:

Final Labour and Construction costs were higher than originally estimated, due to: (i) changes to methods of construction; (ii) unanticipated Ministry of Transportation (MTO) permit requirements to cross the MTO highway at a deeper level than anticipated at all of the tie-in locations for the Sunderland Reinforcement work; (iii) an additional main was added within the distribution system (non-LTC portion of the project) as a result of the MTO permit requirement and the Regional Conservation Authority; (iv) additional odorization requirements not included in original control budget; and (v) increased cost for upsizing of 1.5 km of Nominal Pipe Size (NPS) 4 steel (ST) to NPS 6 ST to feed a large commercial customer.

- Additional External Costs:

Final external costs were higher than originally estimated, due to: (i) additional geotechnical and hydrogeological work; (ii) external pipeline inspection; and (iii) land/easement challenges which required the project team to lay extra mains and easements to work around the areas in question.

ii) Scugog Island First Nation

- Inflation:

Project estimates were forecast and filed with the OEB in December 2017. Construction of the Project was not completed until July 6, 2020, resulting in overall increased costs due to inflation.

- Complexity of Construction:

While the original project estimate was prepared with the best information available at the time, the cost of construction proved to be significantly higher, mainly driven by changes in the design and permitting stage requirements.

- Labour and Construction:

Final labour and construction costs were higher than originally estimated, due to: (i) changes to methods of construction; (ii) unanticipated MTO permit requirements and related permit delays; (iii) the requirement to construct during the winter season; and (iv) impacts of the COVID-19 pandemic.

- Additional External Costs:

Final external costs were higher than originally estimated, due to: (i) additional geotechnical and hydrogeological work; (ii) external pipeline inspection; and (iii) pipeline conditioning, driven by the permitting delays and new required conditions.

- c) Since the information was provided the capital cost incurred to continue servicing customers is deemed insignificant to the overall assessment of the PI and therefore does not constitute an updated assessment. Please see Exhibit I.ED.39 Attachment 1 for the forecasted customer attachments by year and the actual connections as of August 2024.
- d) Enbridge Gas respectfully declines to comment on the scope of the Brockton Gas Expansion Project (EB-2022-0246) as EPCOR has withdrawn its Leave to Construct Application for the project.
- e) Enbridge Gas would consider scope refinement by targeting lower density areas, with higher construction costs and lower customer interest.
- f) Please see Attachment 2 to this response for the general locations of potential agricultural customers included in the attachment forecast.

- g) The feasibility of the Project depends on all sections being included to reach the existing PI. Sections 6, 7, and 8 are the only sections containing potential agricultural customers within scope. The proposed pipe required to reach the forecasted agricultural customers accounts for approximately 8.5 km and includes two stations. Eliminating all scope not required to reach these customers means eliminating the entirety of sections 1-5, and 9 as well as majority of sections 7 and 8 (beyond the farm properties). The consequential loss of residential, commercial, and industrial customers by reducing scope by approximately 28 km would greatly impact the Project's feasibility.

ENBRIDGE GAS INC.

Answer to Undertaking from
School Energy Coalition (SEC)

Undertaking

Tr: 78

Subject to data availability, to provide responses to the portions of SEC-119(a) that were previously declined

Response:

The requested information is unavailable in some instances and, in others, will require an onerous amount of data extraction that is not possible to complete within the timeframe provided for undertaking responses.

Further, as indicated in the response at Exhibit I.1.12-FRPO-21, certain information requested by SEC bears no relevance to the current Application because Enbridge Gas has not included any forecasted capital costs or revenue requirement adjustments associated with actual attachments to date for its community expansion projects in its proposed 2024 rate base; only the original forecast project costs have been included.

Enbridge Gas will report on the actual capital costs, actual customer attachments, and final project PI through future rebasing applications, following completion of the 10-year rate stabilization period(s) (RSP) and attachment forecast term(s) associated with each community expansion project, in accordance with the OEB's determinations in prior applications, including the Company's SES/TCS/HAF Application¹.

Updated Response:

Pursuant to Enbridge Gas's letter dated April 11, 2023, in relation to Motions Day, please see below for the information sought in Exhibit I.2.6-SEC199 a)/Undertaking Exhibit JT3.16.

Table 1 summarizes the requested information for Community Expansion projects in execution to date. Additional information is available in Attachment 1 for all Community Expansion projects to date.

¹ EB-2020-0094, Decision and Order, November 5, 2020, sections 3.2 and 3.3.

Table 1

(i) Project Name	(ii) Budgeted Capital Cost (\$)(1)	(iii) Forecast Cost (\$)(2)	(iv) Actual Capital Cost-to-date (\$)	(v) Forecast Final Capital Cost (\$)(3)	(vi) 10-year Forecast Customer Attachments (Total)(4)	(vii) Actual Customer attachments to date (Total)(4)	(viii) Original Forecast PI	(ix) Revised Forecast PI (based on most recent forecast cost)	(x) SES Term	(xi) Shortfall if the current Forecast PI is less than 1.0 (\$)(5)
Milverton and Rostock/Wartburg	5,976,000	5,976,000	7,008,147	9,117,941	739	761	1.01	1.14	15	
Kettle and Stoney Point First Nation and Lambton Shores	2,095,000	2,095,000	2,097,092	2,884,545	364	394	1.03	0.90	12	328,155
Delaware Nation of Moraviantown	564,000	564,000	\$628,615	628,615	38	38	1.00	1.25	40	-
Prince Township	2,721,000	2,721,000	2,427,968	2,765,254	291	224	1.01	1.06	22	-
Fenelon Falls	46,878,981	46,878,981	55,493,796	64,425,880	1920	866	1.00	0.50	40	28,667,344
Chippewa of the Thames First Nation	1,863,000	1,863,000	1,169,065	1,244,199	45	49	1.00	1.00 (6)	40	
Saugeen First Nation	2,536,617	2,536,617	3,069,824	3,571,108	89	33	1.00	0.47	40	1,036,969
Northshore and Peninsula Rd	10,095,411	10,095,411	12,057,826	12,156,459	134	161	1.00	0.64	40	1,355,698
Scugog Island First Nation	16,550,837	16,550,837	27,714,665	32,177,771	810	454	1.00	0.52	40	12,896,120
Brunner (Perth East)	2,210,351	1,293,836	1,019,042	1,050,898	44	42	1.00	2.98	40	-
Burk's Falls	1,653,917	1,653,917	1,160,701	1,734,353	41	11	1.00	0.96	40	19,929
Kenora District (Highway 594)	1,551,582	1,551,582	1,785,436	1,803,174	30	35	1.00	0.55	40	448,867
Stanley's Olde Maple	820,779	820,779	830,674	838,714	11	12	1.00	0.78	40	118,874

Table 1 Continued

(i) Project Name	(ii) Budgeted Capital Cost (\$)(1)	(iii) Forecast Cost (\$)(2)	(iv) Actual Capital Cost-to-date (\$)	(v) Forecast Final Capital Cost (\$)(3)	(vi) 10-year Forecast Customer Attachments (Total)(4)	(vii) Actual Customer attachments to date (Total)(4)	(viii) Original Forecast PI	(ix) Revised Forecast PI (based on most recent forecast cost)	(x) SES Term	(xi) Shortfall if the current Forecast PI is less than 1.0 (\$)(5)
Haldimand Shores	4,048,709	4,048,709	3,261,207	4,281,580	112	59	1.00	0.98	40	32,528
Mohawk of Bay of Quinte	10,715,495	10,715,495	-	10,715,495	179	-	1.00	-	40	-
Hidden Valley	3,463,661	3,339,388	-	3,339,388	110	-	1.00	-	40	-
Selwyn	6,041,151	4,502,425	-	4,502,425	87	-	1.00	-	40	-

Notes:

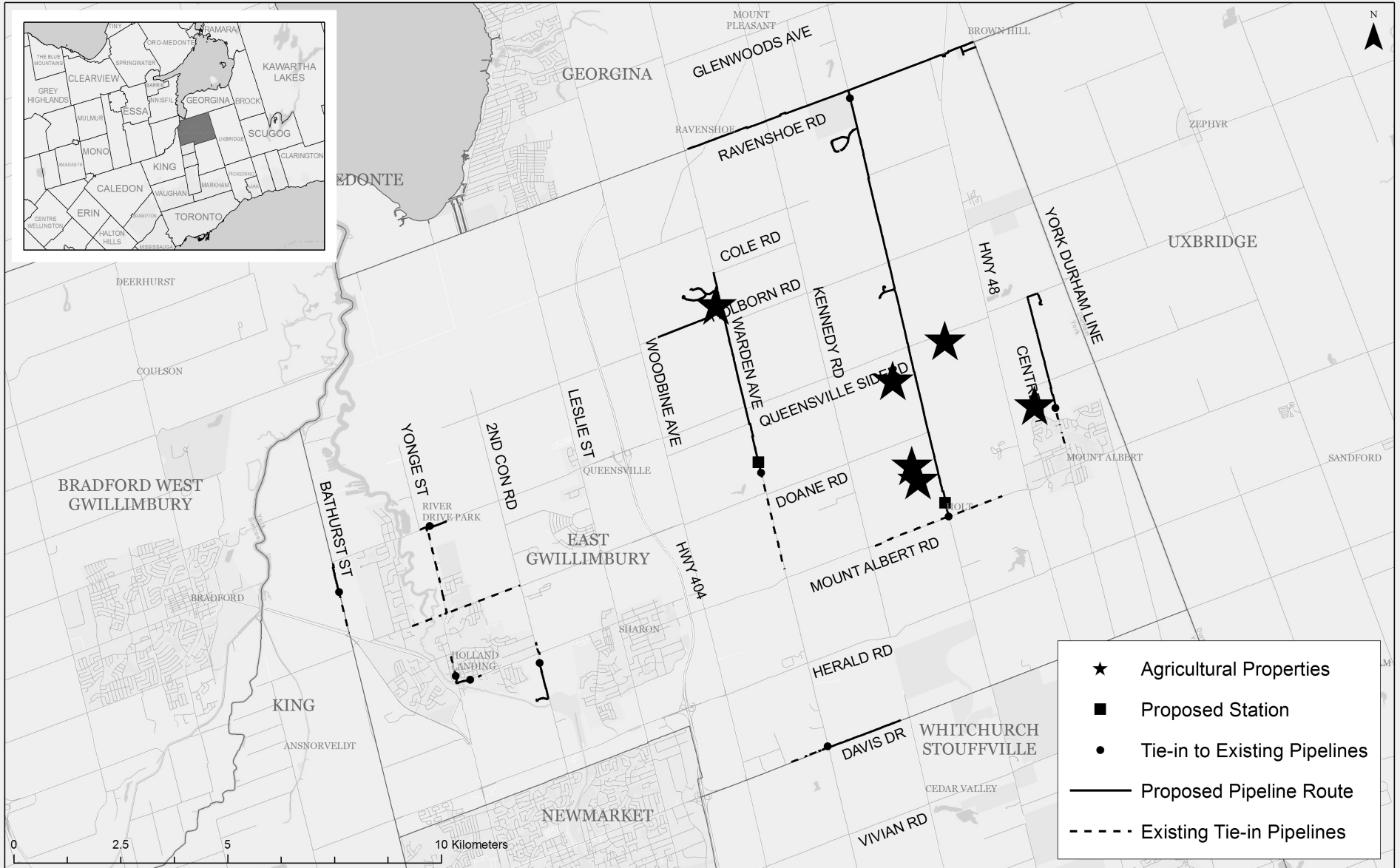
- (1) The budgeted cost is based on the original estimated capex for the project
- (2) The forecast cost is based on updated estimated capex (e.g., LTC filed project cost if applicable)
- (3) The forecast final capital cost is based on the projected number of attachments. Attachments numbers are subject to change in the remaining year during the 10-year rate stability period
- (4) The annual forecast and actuals customer attachments are provided in Attachment I
- (5) for part (xi), the shortfall amount is based on the additional capital funding required and not the required revenue forecast shortfall to achieve a PI of 1.0
- (6) The PI cannot be calculated as the current projected final capital cost is lower than the available funding of \$1,430,000. However, the rate stability period has yet to be concluded, and additional customers might be attached, which might drive the final cost to exceed the available funding.

Enbridge Gas will report on the actual capital costs, actual customer attachments, and final project PI through future rebasing applications, following the completion of the 10-year rate stabilization period(s) (RSP) and attachment forecast term(s) associated with each community expansion project, in accordance with the OEB's determinations in prior applications, including the Company's SES/TCS/HAF Application².

Enbridge Gas cautions against making conclusions based on the information provided before completing the 10-year rate stabilization period associated with each community expansion project.

² EB-2020-0094, Decision and Order, November 5, 2020, sections 3.2 and 3.3.

East Gwillimbury Community Expansion Project



Last Updated: 8/29/2024

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) With respect to the revenue generated in the first 10 years, does Enbridge or do ratepayers bear the risk of average use being lower than forecast?
- b) With respect to the revenue generated in the final 30 years, does Enbridge or do ratepayers bear the risk of average use being lower than forecast?
- c) Please describe how regulatory adjustments relating to average use interact with the customers attached through community expansions. Please address both the first 10 years and final 30 years.

Response:

a - c)

Consistent with the Company's commitments and the OEB's direction summarized in the OEB's Decision and Order on the Company's application for a System Expansion Surcharge, Temporary Connection Surcharge, and Hourly Allocation Factor (EB-2020-0094),¹ upon placing the Project into service, Enbridge Gas will apply a 10-year rate stability period (RSP) during which the Company will bear the risk of the Project attachment and revenue shortfall including average use being lower than forecast for community expansion projects. Enbridge Gas will file actual costs and revenues of the Project with the OEB for consideration for inclusion in rates in the rebasing application following the conclusion of the RSP. The OEB will consider any questions about the treatment of any revenue surplus or shortfall beyond the RSP at that time.²

¹ EB-2020-0094 OEB Decision and Order (November 5, 2020), pp. 8-10.

² Ibid.

Rate adjustments related to average use are made to distribution rates to reflect changes in weather normalized average use.³

Average use adjustments are made to all rate class forecast volumes at the general service rate class level and are subject to OEB review and approval.

Customers attached through community expansion projects are charged the distribution rates in effect for the corresponding rate zone and rate class where the community expansion project is located. Community expansion customers are also charged the system expansion surcharge (SES) in addition to the distribution rates. The SES revenue forecast is not subject to the average use adjustment as part of the annual rate adjustment application.

No different assumption for rate adjustments relating to average use is made during the 40-year project term. Therefore, general service customers and the Company are kept whole and protected from the impact of variances in average use related to distribution rates through the average use variance account. Enbridge Gas bears the risk/reward of variances in average use related to the SES revenue forecast.

³ Rate adjustments for average use are made as part of the annual incentive regulation rate change application.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) Please indicate how much revenue would need to be collected from customers over the final 30 years of this project to cover outstanding capital costs and ongoing O&M costs. Please provide all underlying calculations.
- b) Please complete the following table:

Required Revenue per Project Discounted Cash Flow Tables	
(\$,000)	
SES Revenue	
Distribution Revenue	
Total Revenue	
Years 11-40	
SES Revenue	
Years 11-40 Distribution Revenue	
Years 11-40 Revenue	
Percent of revenue in years 11-40	

- c) To help us understand the cumulative impact of all phase 2 community expansion projects, please provide the table in (b) for all of the revenue for all phase 2 community expansion projects. Please make and state assumptions as necessary.

Response:

- a) The combined System Expansion Surcharge (SES) and distribution revenue required to be collected over the final 30 years of the proposed Project to cover outstanding capital costs and ongoing O&M costs is \$10,916,272.
- b) Please see the information provided below.¹

Required Revenue per Project Discounted Cash Flow Tables (\$,000)	
SES Revenue	\$8,361
Distribution Revenue	\$6,191
Total Revenue	\$14,552
Years 11-40 SES Revenue	\$6,095
Years 11-40 Distribution Revenue	\$4,821
Years 11-40 Revenue	\$10,916
Percent of revenue in years 11-40	75.0%

- c) Please see the previously filed responses to interrogatories where ED requested this same information for other NGEP phase 2 community expansion projects. The data requested is not available for future phase 2 projects, as Enbridge Gas is still working on preparation of the costs and attachment forecasts.

¹ Exhibit E, Tab 1, Schedule 1, Attachment 2.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit I, Tab 1, Schedule 1

Question(s):

- a) Please provide a route map indicating which portions of the pipeline would be on private or public land.
- b) Please provide a map showing the trees that will need to be removed for the pipeline construction.
- c) Please provide satellite images of each portion of the pipe with an overlay showing where the trench will be dug for the pipeline. Please provide this as a high-resolution image so that a viewer can zoom in to see the impact on properties and vegetation along each portion of the pipeline route.

Response:

- a) No permanent easement on private land is expected to be required for the proposed pipeline as the Preferred Route is entirely within the public road allowance. Enbridge Gas has provided a route map in Appendix A, Figure 2 of the Environmental Report (ER).¹
- b) Enbridge Gas anticipates that some tree removal will be required for the Project in the vicinity of the Warden Avenue Station but has not confirmed which trees will require removal at this stage of the Project planning phase. Enbridge Gas will obtain all required permits and authorizations prior to any tree removals and will follow all mitigation measures related to tree-removal identified in the Project's Environmental Protection Plan (EPP).
- c) The level of detailed imaging requested by ED is not available at this time. The final detailed pipeline design (including proposed running line) is currently in development

¹ Exhibit F, Tab 1, Schedule 1, Attachment 1.

as Enbridge Gas continues to gather information from field studies and from consultation with stakeholders and permitting agencies. Impacts to properties and vegetation will vary, depending on the method of pipeline installation selected. Currently, the pipeline(s) are proposed to be installed via a combination of horizontal directional drill and open cut excavations where applicable.

Environmental alignment sheets which show the existing natural environment features in the Project Study Area are provided at Appendix A, Figure 6 of the ER. The ER and its alignment sheets inform the Project's detailed design, in order to minimize potential impacts to these features. Updated environmental alignment sheets will be included in the EPP, along with mitigation measures from the ER and any additional requirements identified during the permitting process, to minimize adverse effects to sensitive environmental features where impacts are unavoidable.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit I, Tab 1, Schedule 1

Question(s):

- a) Would Enbridge agree to the following condition of approval? If not, please explain why not and provide alternative wording for a commitment that Enbridge would make.

“The Applicant shall provide potential customers with a comparison of the energy bill impacts of gas heating versus heating with electric heat pumps.”

- b) Please provide a copy of:
- i. All promotional or informational materials sent to customers in community expansion areas that have connected to the gas system in the past five years, including materials sent by mail, email, or social media;
 - ii. A copy of all newspaper and online advertisements relating to switching to gas in the past five years; and
 - iii. A copy of all Enbridge website pages relating to switching to gas.
- c) For the items in (b) that are undated, please indicate the date range during which they were sent to customers or published.
- d) Please provide a copy of all Enbridge communication plans or communication strategy documents relating to community expansions or switching to gas more generally.
- e) Please provide all information or promotional materials provided to customers in the East Gwillimbury area over the past five customers.
- f) Please provide all information or promotional materials provided to existing customers in the East Gwillimbury area regarding the cost-effectiveness of gas in

the past five years, including bill inserts.

- g) Please provide all information or promotional materials provided via social media (e.g. twitter) regarding the cost-effectiveness of gas or the environmental impacts of gas in the past five years.
- h) Is gas the cheapest way to heat a home in gas expansion areas when accounting for the energy costs and distribution costs, including the surcharge and monthly fixed charges? Please justify the answer with full details.
- i) Please ask the Enbridge communications department to provide a copy of all news articles that quote an Enbridge representative over the past 5 years in relation to gas expansion or the cost-effectiveness of gas such as this article:
<https://globalnews.ca/news/7937749/ontario-funding-expand-natural-gas-lines-bobcaygeon-city-of-kawartha-lakes/>.
- j) If Enbridge is found to have told potential customers that gas is the cheapest way to heat a home when that is not the case, would Enbridge agree to the following condition of approval? If not, please explain why not and provide alternative wording for a commitment that Enbridge would make.

“The Applicant shall provide correct information on the cost-effectiveness of heating with gas in comparison to heat pumps.”

Response:

a) and j)

Enbridge Gas does not believe that conditions of approval related to energy cost comparison information should be included for leave to construct applications.

The Company notes that energy cost comparison information is an issue being addressed in Phase 2 of its 2024 Rebasing proceeding (EB-2024-0111). Further OEB direction on this topic will be available as part of the Phase 2 proceeding.

b) – c)

Please see Attachment 1 to this response for material dated 2021-2023. Please see Attachment 2 to this response for the 2024 material.

For part b) sub-part ii), please refer to EB-2024-0111, Exhibit I.1.16 – ED-16 for a list of newspaper ads.

For part b) sub-part iii), the following Enbridge Gas website pages are related to switching to gas:

- <https://www.enbridgegas.com/ontario/connect-to-gas>.
- <https://www.enbridgegas.com/residential/new-customers>
- <https://www.enbridgegas.com/residential/new-customers/surcharge>
- <https://www.enbridgegas.com/residential/using-natural-gas/why-choose-natural-gas>

d) Please see Attachment 3 to this response.

e) – f)

Please see Attachment 4 to this response.

g) The request for all information and promotional materials provided via social media is too broad and not relevant to the NGEF or the specific Project area. See Attachments 2 and 4 to this response for all materials (including via social media) provided to customers in the East Gwillimbury area.

h) The least expensive heating solution for a homeowner depends on several factors including but not limited to the specific characteristics of the home, upfront conversion costs, relative fuel prices, occupant behaviour, etc. Based on the analysis presented at Exhibit I.ED-28 part a), conversion to a high-efficiency electric ccASHP configuration could be more cost-effective for space heating for some homeowners when compared to a conversion to a natural gas furnace configuration, whereas for other homeowners the natural gas solution would be more cost-effective.

i) Any quote an Enbridge Gas representative would provide related to gas expansion or the cost-effectiveness of gas is publicly available once it is in the media. Enbridge Gas is not able to control messaging once it is in the public domain and does not track the accuracy of media representations/interpretations of Enbridge Gas messaging.

Marketing Tactics - Community Expansion			
Marketing Tactics By Community	Launch In-Market Date	See Reference	Attachment #
Community Expansion Main Website		https://www.enbridgegas.com/residential/new-customers/community-expansion	
Scugog			
Website Link		https://www.enbridgegas.com/residential/new-customers/community-expansion/scugog-island	
Customer Attachment Packages	Feb 2021 Aug 2021 Sept 2021	Hidden Valley Community Expansion Project - Customer Attachment Packages - All Documents (sharepoint.com)	1
Rink Boards (2)	Jan 4 2021 - Jan 2 2022	Scugog Rink Advertising.pdf (sharepoint.com)	2
Transit Shelter Ads	Jan-Mar 2021	Hidden Valley Community Expansion Project - Scugog Transit Shelter Ad.pdf - All Documents (sharepoint.com)	3
Community Expansion Construction Trailer Wraps	Oct 2021 - Present	Hidden Valley Community Expansion Project - Community Trailers.pdf - All Documents (sharepoint.com)	4
Digital/Social Media Ads	Jan 11 - Dec 10 2021	Hidden Valley Community Expansion Project - Scugog Digital Ads.pdf - All Documents (sharepoint.com)	5
Virtual Open House Digital Ad	Mar-21	Hidden Valley Community Expansion Project - Scugog Virtual Open House Social Ad.pdf - All Documents (sharepoint.com)	6
System Expansion Explainer Video	Mar 2021- Oct 2021	https://youtu.be/HICJJUMVJmc	
Newspaper Advertising The Port Perry Standard The Port Perry Star	Jan 4 - Nov 1 2021	Hidden Valley Community Expansion Project - Scugog Newspaper Ads.pdf - All Documents (sharepoint.com)	7
North Bay			
Website Link		https://www.enbridgegas.com/residential/new-customers/community-expansion/north-bay-north-shore-peninsula-roads	
Customer Attachment Packages	Sep-21	Hidden Valley Community Expansion Project - North Bay Attachment Package.pdf - All Documents (sharepoint.com)	8
Digital/Social Media Ads	Jan 11 - Dec 10 2021	Hidden Valley Community Expansion Project - North Bay Digital Ads.pdf - All Documents (sharepoint.com)	9
Virtual Open House	Mar-21	Hidden Valley Community Expansion Project - North Bay Virtual Open House.pdf - All Documents (sharepoint.com)	10
Transit Shelter Ads	Jan / Feb 2021	Hidden Valley Community Expansion Project - North Bay Transit Ad.JPG - All Documents (sharepoint.com)	11
Newspaper Advertising The Bay and Area	May 2021 Oct 2021 Dec 2021	Hidden Valley Community Expansion Project - North Bay Newspaper Ads.pdf - All Documents (sharepoint.com)	12
Fenelon Falls			
Website Link		https://www.enbridgegas.com/residential/new-customers/community-expansion/fenelon-falls	
Rink Boards (1)	Jan 4 - Jan 2, 2022	Fenelon Falls Rink Advertising.pdf (sharepoint.com)	13
Saugeen			
Website Link		https://www.enbridgegas.com/residential/new-customers/community-expansion/saugeen-first-nation	
Social Ad for band owned social media account	Nov-21	Hidden Valley Community Expansion Project - Saugeen Digital Ad.pdf - All Documents (sharepoint.com)	14
Direct Mail Fridge Magnet (for 2022)	Oct-21	Hidden Valley Community Expansion Project - Saugeen Fridge Magnet.pdf - All Documents (sharepoint.com)	15
Selwyn			
Website Link		https://www.enbridgegas.com/residential/new-customers/community-expansion/Selwyn	
Kiosk Assets	May-22	Selwyn May 2022 Kiosk & D2D Dropoff	16
Kiosk Assets	Oct-22	Selwyn October 2022 Kiosk & D2D Dropoff	17
Customer Attachment Package	Apr-22	Customer Attachment Package	18
Q4 Campaign Tactics	Oct-22	Selwyn Q4 2022 Campaign	19
Kiosk Assets	Feb-23	Selwyn February 2023 Kiosk & D2D Dropoff	20
MBQ			
Website Link		https://www.enbridgegas.com/residential/new-customers/community-expansion/mohawks-bay-quinte	
Open House Assets	May-22	MBQ May 2022 Open House	21
Kiosk and D2D Dropoff assets	Jan-23	MBQ January 2023 Kiosk & D2D Dropoff	22
Customer Attachment Package	Jan-23	Customer Attachment Package	23
Kiosk and D2D Dropoff assets	Apr-23	MBQ April 2023 Kiosk & D2D Dropoff	24
Hidden Valley			
Website Link		https://www.enbridgegas.com/residential/new-customers/community-expansion/hidden-valley_	
Virtual Open House	Jun-22	Hidden Valley VOH 2022	25
Customer Attachment Package	Oct-22	Customer Attachment Package	26
Kiosk Assets	Oct-22	Hidden Valley October 2022 Kiosk & D2D Dropoff	27
Kiosk Assets	Feb-23	Hidden Valley February 2023 Kiosk & D2D Dropoff	28
Bobcaygeon			
Website Link		https://www.enbridgegas.com/residential/new-customers/community-expansion/bobcaygeonproject	
Information Session Ad	Nov-22	Information Session Ad - Kiawartha This Week	29
Customer Attachment Package	Nov-22 to Jan-23	Customer Attachment Package	30
Digital/Social Media Ads	Dec-22 to Jan-23	Digital/Social Media Ads	31
SES Video	Dec-22 to Jan-23	https://www.youtube.com/watch?v=HwByXzEt4TI	
SES Video	Dec-22 to Jan-23	https://www.youtube.com/watch?v=HICJJUMVJmc	
Testimonial Video	Dec-22 to Jan-23	https://youtu.be/0r7M9yVQNps	
Testimonial Video	Dec-22 to Jan-23	https://youtu.be/HnzQ0z6yb5Y	
Testimonial Video	Dec-22 to Jan-23	https://youtu.be/YyMwrbFJ3s	
Testimonial Video	Dec-22 to Jan-23	https://youtu.be/LFaRIUtna90	
Kiosk Assets	Jan-23	Kiosk Flyer	32
Community Expansion Construction Trailer Wrap	Mar-23 to Pres.	Trailer Wrap	33
Sandford			
Website Link	May 2023 - present	Sandford Community Expansion Project Enbridge Gas	
Social Media Ad for Virtual Information Session	Mar 20 - Apr 2, 2023	See Attachment	34
Customer Attachment Package	May-23	See Attachment	35



Scugog Attachment Package

February 2021

We're proud to energize Scugog Island!

Dear Scugog Island Resident,

Now's the time to apply for natural gas

We have some good news to share with you. Your address is identified as in scope for receiving natural gas shortly, and we want to make sure you're in the best position to connect as soon as possible. By signing up now, we'll be able to prioritize your service install as soon as the natural gas main is installed in front of your house. You may see us working on your street, including items such as survey stakes or locates and survey stakes in the boulevard.

If you're considering converting to natural gas, the earlier you apply the better as permits and locates can take time.

Refer to the Four-Step Process card when you're ready to apply, then visit savewithgas.com to start your application. You're required to agree to the Terms and Conditions and can do this electronically, or you can complete and return your signed Terms and Conditions form in the prepaid envelope provided.

Unlock the value of natural gas

When compared to using electricity, propane or oil, switching to natural gas could save you up to 39%* per year on home and water heating costs. Natural gas is also the most affordable way to run appliances like ranges, clothes dryers and barbecues.

For us to extend natural gas to rural areas where the cost of building the infrastructure is more expensive than the revenue it generates, the Ontario Energy Board approved an additional System Expansion Surcharge or SES. This is a variable rate charge, of \$0.23/cubic meter of natural gas used, which will show as a separate line item on your monthly bill for up to 40 years. On average, this amounts to approximately \$550 a year. Even with the SES, you'll still save on home and water heating fuel costs by switching to natural gas. To estimate your potential fuel savings based on your circumstances or find valuable information to help make an informed decision for your household, visit www.savewithgas.com.

Get in touch with us

Our local Community Expansion Advisors are just a phone call away. You can reach out to them to talk about the steps to connect to natural gas, learn more about the value of natural gas, and estimate the potential savings for your home or business. They will provide you with sound information to help you determine if switching to natural gas is right for you.

- Don Armitage 705-750-7203 don.armitage@enbridge.com
- Travis James 289-971-0813 travis.james@enbridge.com

We look forward to meeting your energy needs.

Ahmed Al-Amry

Ahmed Al-Amry
Supervisor, Community Expansion
Enbridge Gas Inc.
savewithgas@enbridge.com
savewithgas.com

*Natural gas prices are based on Rate1 rates in effect as of Jan 1, 2021 and includes the \$0.23 per m3 system expansion surcharge. Oil price is based on the latest available retail price. Electricity rates-based Hydro One Distribution rates (Mid-density R1) as of Nov 1, 2020 and RPP customers that are on TOU pricing. It includes the new Ontario Electricity Rebate (OER) and excludes distribution charges per First Nations Delivery Credit. The propane price comparison is based on the lowest price obtained in an area survey. Since individual fuel prices may vary, savings assumptions may or may not be accurate in your situation. Please go to the calculator on savewithgas.com for a more accurate savings estimate. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. Carbon price is included for all energy types as reported. HST is not included.



Investing in Indigenous communities

Working together to create meaningful relationships and lasting prosperity

Enbridge adheres to a strong set of corporate values, and has adopted and implemented a number of corporate responsibility policies and practices. Our Indigenous Peoples Policy guides the nature and scope of our relationships with Indigenous peoples wherever we interact together.

- Serving 21 Indigenous communities across Ontario.
- \$33M in contracts to Indigenous suppliers, vendors and contractors.
- Support for Skills Canada Ontario First Nations, Métis and Inuit Initiatives since 2012.



Energizing the local business community

Access to a more affordable, reliable and plentiful source of energy is a major competitive advantage for both large and small businesses. Connecting to natural gas will help expand critical infrastructure and drive economic development within the community.

Low-cost natural gas delivers approximately \$5 billion in annual savings to Ontario families, businesses and industry—savings that are reinvested into the economy.



We're here for you

Customer Connections Call before you dig
1-877-362-7434 **1-800-400-2255**

Monday to Friday, 24/7 Emergency line
 8 a.m. – 6 p.m. **1-866-763-5427**

Community expansion contacts

Don Armitage
705-750-7203
don.armitage@enbridge.com

Travis James
289-971-0813
travis.james@enbridge.com



* Natural gas price is based on Rate 1 rates in effect as of **Jan. 1, 2021** and includes the \$0.23 per m3 system expansion surcharge. Oil and propane prices are based on the latest available retail prices. Electricity rates based Hydro One Distribution rates (Mid-density R1) as of **Nov. 1, 2020** and RPP customers that are on TOU pricing. It includes the new Ontario Electricity Rebate (OER). Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. Carbon price is included for all energy types as reported. HST is not included.

** Subject to change. Please note that all charges, except the fixed Customer Charge, vary based on how much gas you use.

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GEN-CE-LEG-JAN21

Switch to safe, reliable,
affordable natural gas

Energizing your community

Why natural gas is a smart choice



We understand that these are extraordinary times – around the world and at home here in Ontario. Community Expansion work has been identified as an essential service by the Ontario Government. Enbridge Gas is committed to bringing natural gas to your community and we are following the latest guidance provided by public health officials and government authorities. The safety of our customers, employees and contractors is our top priority. Visit [savewithgas.com](https://www.savewithgas.com) for Community Expansion project updates.

The benefits of natural gas



More affordable

Compared to other fuels and electricity, natural gas is the most cost-effective way to heat your home and water.



Reliable and abundant

Never worry about running out of fuel or arranging for deliveries again.

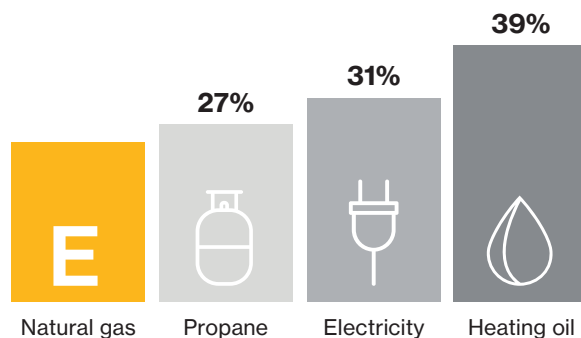


Comfort and convenience

From heating your home and hot water, to cooking, natural gas can make your home more comfortable and enjoyable.

Residential annual heating bills

Annual cost comparison: space and water heating*



How to start saving with natural gas

Visit [savewithgas.com](https://www.savewithgas.com) to learn about the benefits of natural gas and the many ways it can help fuel your lifestyle. Follow these four easy steps to get connected. It's always better to submit your application for a natural gas service early in the process since it can take several months to obtain the necessary locates and permits before installing the service itself.

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Advise your heating contractor that you've agreed to the Terms and Conditions.

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After we install the gas meter

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System Expansion Surcharge

It takes significant investment to build the infrastructure to bring natural gas to your community. This surcharge is your contribution, and the fairest way to spread the costs out.

Customer Charge

This is a fixed \$21.48 amount that pays for meter reading, equipment maintenance and 24/7 emergency response services and community expansion.

Supply, Delivery and Transportation Charges

These cover the costs to buy natural gas, bring it to Ontario and move it to your home, safely and reliably.

Cost Adjustment

You pay what we pay. As the price for natural gas changes, we'll adjust your bill quarterly as a charge or credit.

FAQ

1. As a new community expansion customer, why do I have to pay an additional charge towards the construction costs of the project?

2. Why does the length of time the surcharge is in effect differ by community?

To enable us to extend natural gas to rural areas where the cost of building the infrastructure is more expensive than the revenue it generates, the province's energy regulator—the Ontario Energy Board—has approved an additional new customer charge of 23 cents for each cubic metre of natural gas used for a limited time period. On average, most homes will pay \$550 a year for up to 40 years. The length of time this charge remains in effect varies by community because the overall cost to serve each community differs based on things like the distance of the community from an existing natural gas pipeline. Even with this added charge, you'll still save on home and water heating fuel costs by switching to natural gas.

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Easy tips for energy savings

Here are some simple ways to save energy, keep your costs down and still stay comfortable.

Spring/summer checklist

- Set your thermostat at a temperature you find comfortable.** Raise the temperature a few degrees higher when you're asleep or away.
- Keep window coverings closed** during the hottest hours. Open windows at night.
- Regularly change or clean the filters** on your air conditioner.
- Regularly change or clean your cooling unit's filters** to keep it working efficiently.
- Use your range hood when cooking** to help remove heat from your home.
- Keep your home cooler by cooking on your outdoor grill** instead of your stove or oven.
- If possible, **air-dry clothes** outdoors to save energy.
- Remove dust and debris from sliding door tracks** to keep cool air from escaping.
- If you have a pool, **use a solar cover** to retain heat.
- Air-dry dishes** once the dishwasher's wash cycle is complete.

Tips to save year-round

-  Always wait for a full load before running your dishwasher or washing machine.
-  A five-minute shower uses less than half the hot water of a bath.
-  Wash and rinse clothes with cold water to use less energy.
-  Fix dripping faucets – one drop/second for a month equals 16 hot baths!
-  Don't peek in the oven while baking – 20 percent of heat will escape!
-  Caulk around doors and windows to avoid air leaks.

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Name (please print)

Phone number

Email address

Address (please print)

Signature

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If you're considering converting to natural gas, the earlier you apply the better as permits and locates can take time.

Refer to the Four-Step Process card when you're ready to apply, then visit enbridgegas.com/savewithgas to start your application. You're required to agree to the Terms and Conditions and can do this electronically at the website above under your community, or you can complete and return your signed Terms and Conditions form by emailing this to us at ceapplications@enbridge.com and once we receive this, we'll be in touch.

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Working together to create meaningful relationships and lasting prosperity

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GEN-CE-LEG-JULY21

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Energizing your community

Why natural gas is a smart choice



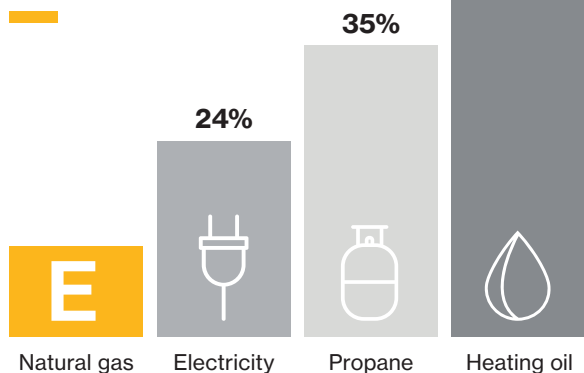
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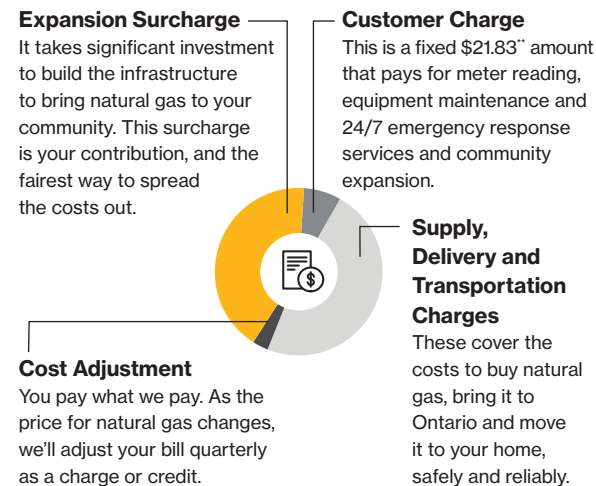
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Scugog Attachment Package

September 2021

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Scugog Island Residents

We are here for you!

Wednesday, Sept. 22
3:30 – 6:30 p.m.

Thursday, Sept. 23
10 a.m. – 1 p.m.

Rain date: Sept. 28 3:00 – 6:30 p.m.

Learn about the benefits of switching to natural gas and how to get connected.

Stop by our kiosk at:

Redmans Antique Barn, 15751 Island Rd, Scugog Island
(corner of Island Rd and Hwy 7)

Representatives will be available to answer all your questions:

Drop by to have all **your questions answered** and we'll help you apply for your natural gas service.

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GEN-CE-LEG-JULY21

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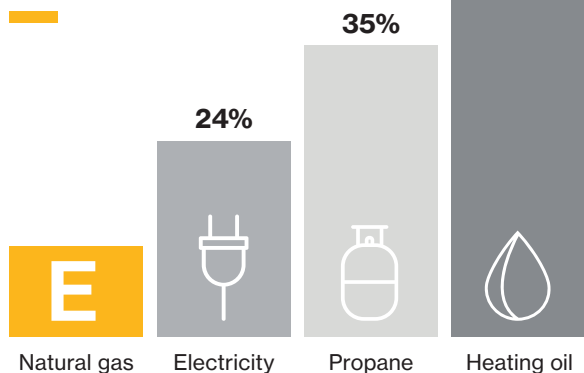
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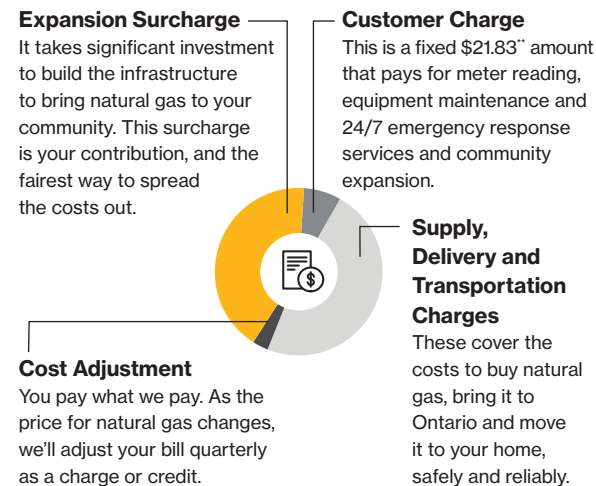
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The cancellation policy

If your natural gas account is not activated within one year of installation of your new natural gas service, you'll be required to pay Enbridge Gas' installation costs of \$2,500.

Name (please print)

Phone number

Email address

Address (please print)

Signature

Date

Questions? We're here for you

Contact our Customer Care team at 1-888-427-8888
customerconnectionscontactcentre@enbridge.com



Please complete this form and email it to
ceapplications@enbridge.com

*First Nation communities are exempt from HST.

**The Expansion Surcharge will transfer to subsequent owners of your property.



Rink Advertising

Scugog

Jan 4, 2021 – Jan 2, 2022

Natural gas is a
game-changer
savewithgas.com





Scugog Transit Shelter Ad

2021

Scugog Islanders

Choose comfort,
convenience and
peace of mind

**Save on heating,
spend on what you love**

Join us in leading Ontario's
low-carbon energy future.

savewithgas.com





Community Expansion Trailers

2022



1:10th Scale



Scugog Community Expansion Digital Tactics 2021

Environmental Themed



Headline (max 25 characters):

Leading Ontario's energy transition

CTA:

Learn more

Post Copy (125 characters):

Natural gas is an essential fuel choice you can rely on for space heating, cooking and endless hot water.

Towards a cleaner energy future



Headline (max 25 characters):

Reducing environmental impact

CTA:

Learn more



Switch to natural gas today

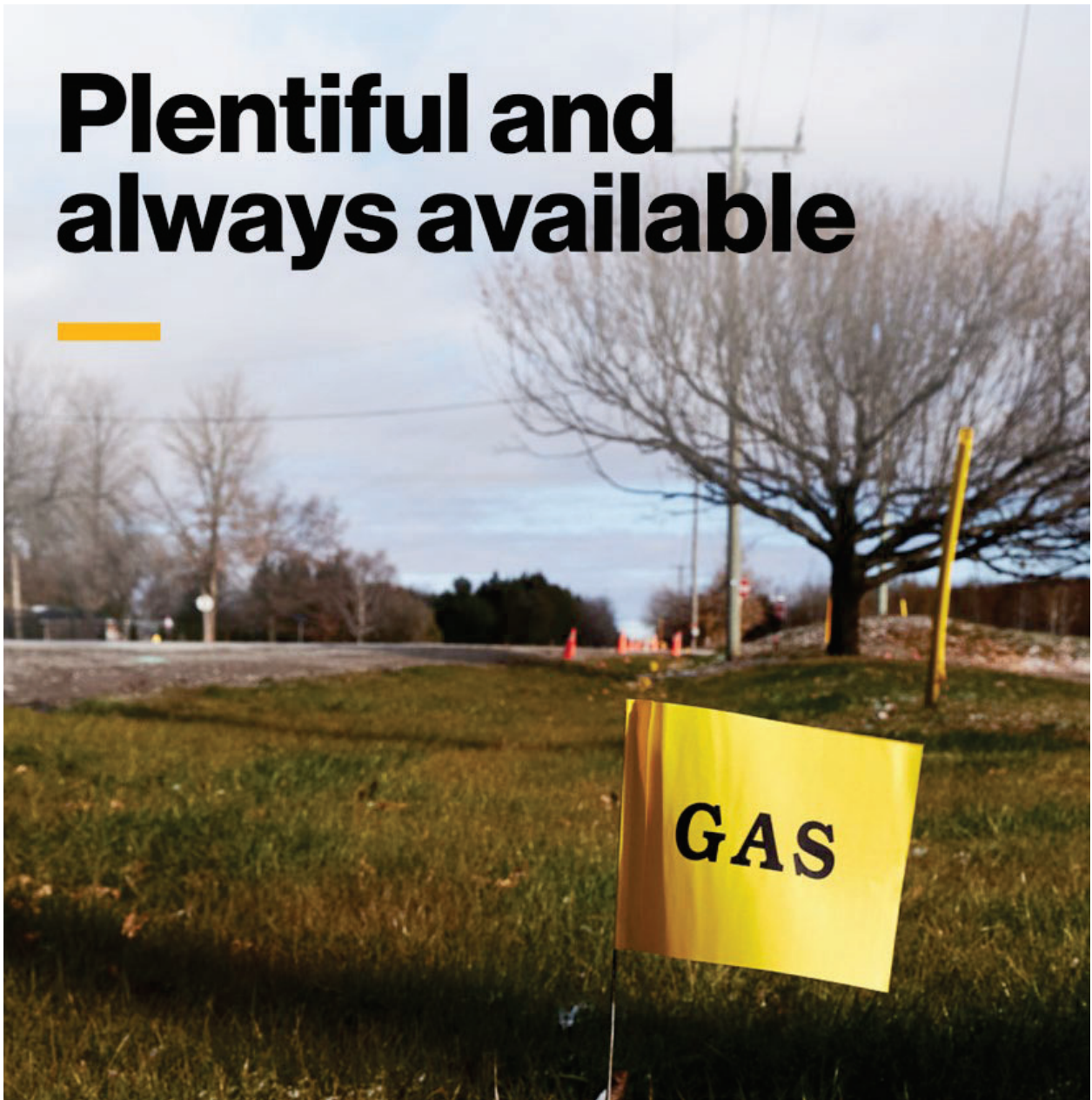
Headline (max 25 characters):

Meeting your energy needs

CTA:

Learn more

Plentiful and always available



Post copy (125 characters)

**Natural gas is flowing in your area.
We're leading the transition to a clean
energy future with innovative solutions.**

Headline (25 characters)

Energy you can rely on

Link description (30 characters)

So many reasons to switch

CTA

Learn more

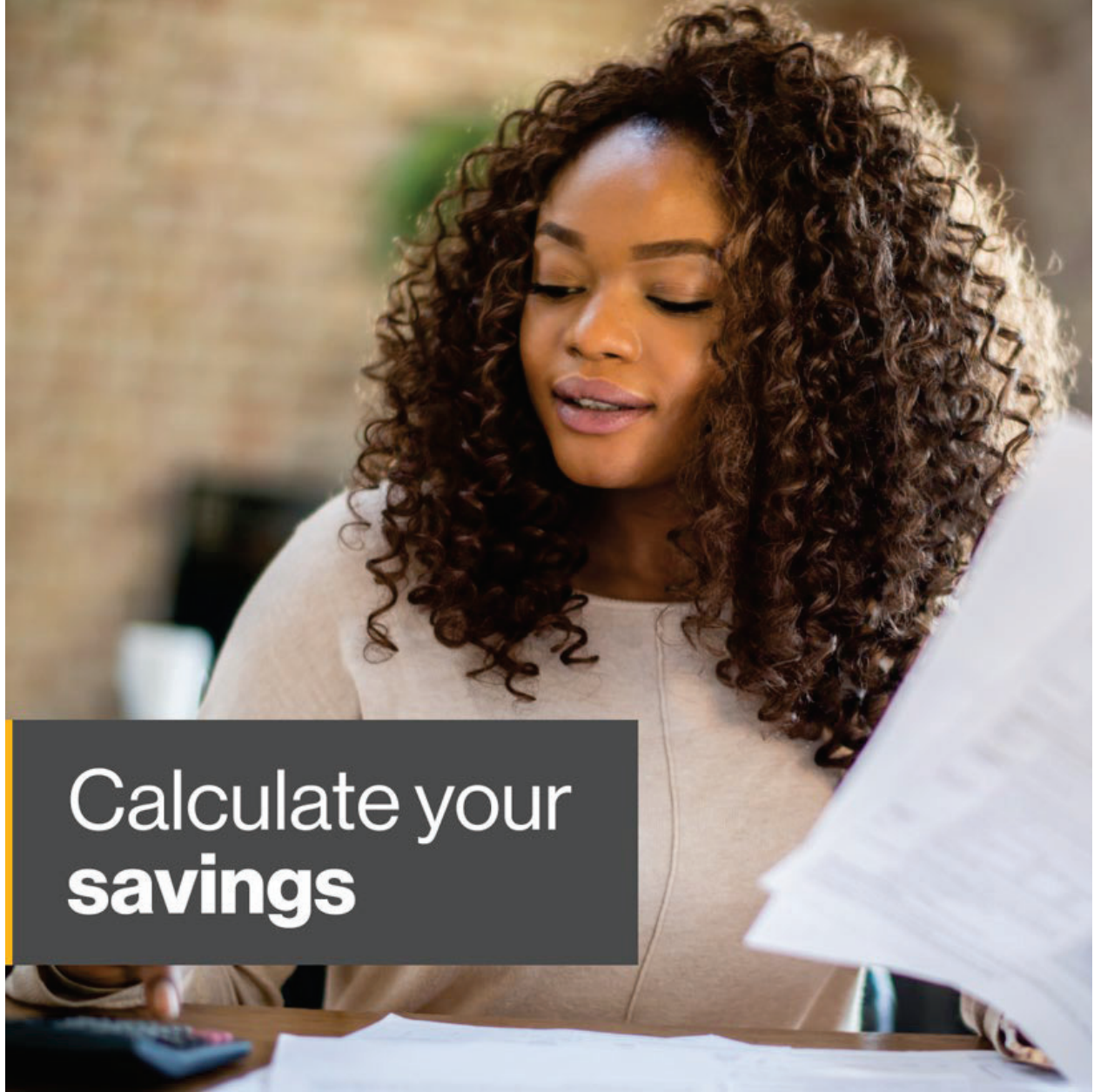
Savings Themed during Holidays



See how much you
can **save each year**



When you switch
to **natural gas**

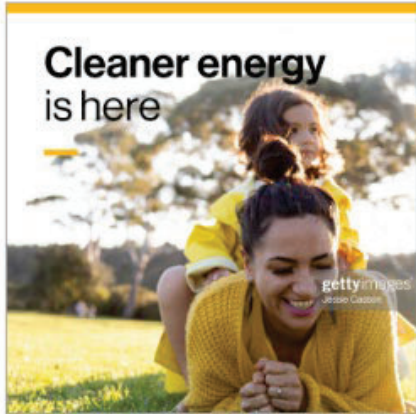


Calculate your
savings



Save on heating, spend
on **what you love**

Static Ads



Option 1

Headline (max 40 characters):

Affordable, reliable natural gas (32)

Text (max 125 characters):

Join the shift to cleaner energy. Still heating with oil or propane? Switch to natural gas to save on costs and emissions. (122)

Link description (max 30 characters):

Natural gas is now available! (29)

CTA (from the supplied options):

Learn more



Option 1

Headline (max 40 characters):

Why switch to natural gas? (27)

Text (max 125 characters):

1. Saving money every month. 2. No more running out of fuel or waiting for deliveries. 3. Lowering your home's emissions. (122)

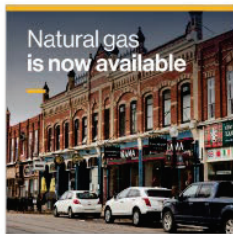
Link description (max 30 characters):

See how much you can save (25)

CTA (from the supplied options):

Learn more

Carousel Ads



Headline (max 40 characters):

More choice, more solutions (27)

Text (max 125 characters):

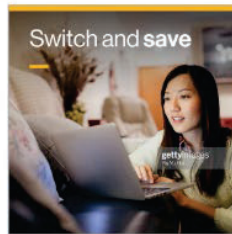
Why are Scugog Islanders switching from oil and propane heating to natural gas? For lower costs and lower carbon emissions. (123)

Link description (max 20 characters):

A new heating option (20)

CTA (from the supplied options):

Learn more

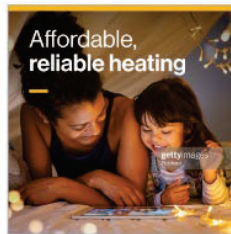


Headline (max 40 characters):

Ready now: Cleaner energy (25)

Link description (max 20 characters):

Reduce emissions (16)



Headline (max 40 characters):

Scugog Island is now connected (30)

Link description (max 20 characters):

Reduce costs (12)



Headline (max 40 characters):

Towards a cleaner future (24)

Link description (max 20 characters):

More reliable (13)



Headline (max 40 characters):

Let us help you switch (23)

Link description (max 20 characters):

Get in touch today (18)



Headline (max 40 characters):
Switch to natural gas (21)

Text (max 125 characters):
When you switch to natural gas, you'll save on energy costs, avoid running out of fuel and lower carbon emissions. (115)

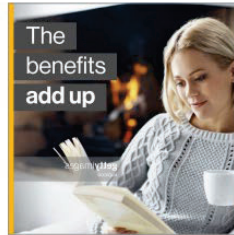
Link description (max 20 characters):
Lower heating bills (19)

CTA (from the supplied options):
Learn more



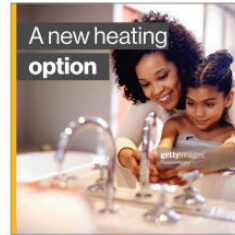
Headline (max 40 characters):
See how much you can save (25)

Link description (max 20 characters):
More affordable (15)



Headline (max 40 characters):
More value for your energy dollar (34)

Link description (max 20 characters):
More convenient (14)



Headline (max 40 characters):
Cleaner energy you can feel good about (38)

Link description (max 20 characters):
More comfort (12)



Headline (max 40 characters):
Affordable. Reliable. Plentiful. (32)

Link description (max 20 characters):
Lower emissions (15)



Scugog Community Expansion Virtual Open House Digital Ad



Attend our Virtual Open House on March 23





Scugog Print Materials

The Standard (Port Perry/Scugog)

In-market: Jan 4

In-market: Feb 8

In market: March 15

In-market: May 13th

In-market: July 15th

In-market: August 12th

In-market: September 9th

In-market: November 18th

Port Perry Star (Port Perry/Scugog)

In-market: Jan 4

In-market: Feb 15

In market: March 15

In-market: May 27

In-market: June 24

In-market July 22

In-market: October 14

In-market: November 11



Scugog Islanders
Choose comfort and convenience

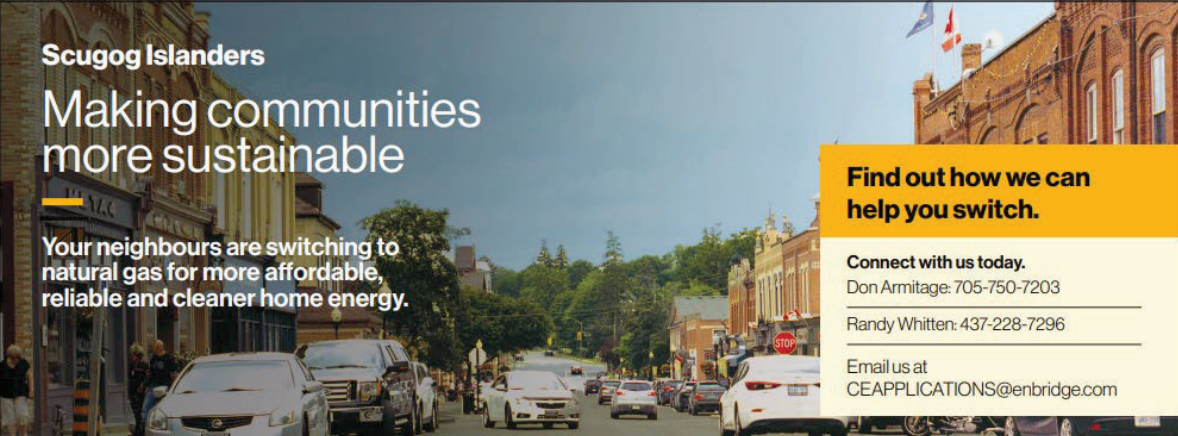
Whether it's for heating, cooking or endless hot water, natural gas delivers cost savings and reliability to your daily life.

Natural gas is now flowing!

Get in touch with us
Don Armitage: 705-750-7203
Travis James: 289-971-0813

Visit **savewithgas.com** to calculate your savings.

© 2021 Enbridge Gas Inc. All rights reserved.



Scugog Islanders
Making communities more sustainable

Your neighbours are switching to natural gas for more affordable, reliable and cleaner home energy.


Find out how we can help you switch.

Connect with us today.
Don Armitage: 705-750-7203
Randy Whitten: 437-228-7296

Email us at
CEAPPLICATIONS@enbridge.com

Visit **enbridgegas.com/savewithgas** to sign up and calculate your savings.

© 2021 Enbridge Gas Inc. All rights reserved.



Scugog Islanders

Top 4 reasons to switch to natural gas

Comfort and convenience have arrived!

Sign up today

Don Armitage: 705-750-7203

Randy Whitten: 437-228-7296

Email us at
CEAPPLICATIONS@enbridge.com

- 1 Save money**
Enjoy savings up to 46 percent—depending on your current energy source.
- 2 Clean energy future**
Natural gas is part of the path to net-zero.
- 3 Convenient and cosy**
Never run out of fuel or have to wait for deliveries again!
- 4 Higher resale value**
Homes with lower energy costs are more attractive to buyers.

Visit enbridgegas.com/savewithgas to sign up and calculate your savings.



© 2021 Enbridge Gas Inc. All rights reserved.

Scugog Islanders

Save on energy, spend on those you love

Natural gas is now available!

Home comfort doesn't have to be costly—switch to reliable, affordable natural gas so you can save all year, every year.

We're here for you

Don Armitage: 705-750-7203

Kathy Whitten: 647-281-0337

Visit enbridgegas.com/savewithgas to calculate your savings.



© 2021 Enbridge Gas Inc. All rights reserved.

Scugog Islanders

Towards a clean energy future

Switch to natural gas for more affordable, reliable home heating — plus do your part to reduce your homes greenhouse gas emissions.

Natural gas is now available!

We're here for you

Don Armitage: 705-750-7203

Kathy Whitten: 647-281-0337

Visit enbridgegas.com/savewithgas to calculate your savings.

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Scugog Islanders

Top 4 reasons to switch to natural gas

Comfort and convenience have arrived!

Connect with us today.

Don Armitage: 705-750-7203

Kathy Whitten: 647-281-0337

Email us at ceapplications@enbridge.com

- 1 Save money**
Save up to 49 percent depending on your existing energy.
- 2 Clean energy future**
Natural gas is part of the path to net-zero.
- 3 Convenient and reliable**
Never run out of fuel or have to wait for deliveries again.
- 4 Higher resale value**
Homes with lower energy costs are often more attractive to buyers.

Visit enbridgegas.com/savewithgas to sign up and calculate your savings

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ENB 520 10/2021



Scugog Islanders

Top 4 reasons to switch to natural gas



Comfort and convenience have arrived!

Connect with us today.

Don Armitage: 705-750-7203

Kathy Whitten: 647-281-0337

Email us at ceapplications@enbridge.com

1 Save money
Save up to 49 percent depending on your existing energy source.

2 Clean energy future
Natural gas is part of the path to net zero.

3 Convenient and reliable
Never run out of fuel or have to wait for deliveries again.

4 Higher resale value
Homes with lower energy costs are often more attractive to buyers.

Visit enbridgegas.com/savewithgas to sign up and calculate your savings.



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ENB 520 11/2021



North Bay Attachment Package

September 2021

We're proud to energize Northshore and Peninsula Road area in North Bay!

Dear Resident,

We have some good news to share with you. Your address has been identified as in scope for our natural gas expansion project. To find out when natural gas will be available for connection, please reach out to our Community Expansion Advisors who can provide you with construction and project updates and discuss timelines as to when natural gas will be available for your home.

The deadline for applications and your service in 2021 is coming soon

Refer to the Four-Step Process card when you're ready to apply, then visit enbridgegas.com/savewithgas to start your application. You are required to agree to the Terms and Conditions – either electronically during sign up at enbridgegas.com/savewithgas, or you can complete and email this to our Community Expansion Advisors at ceapplications@enbridge.com when the form is complete. If submitting via email, you will need to call 1-888-774-3111 to create your account.

Unlock the value of natural gas

When compared to using electricity, propane, or oil, switching to natural gas could save you up to 47%* per year on home and water heating costs. Natural gas is also the most affordable way to run appliances like ranges, clothes dryers, and barbecues.

For us to extend natural gas to rural areas where the cost of building the infrastructure is more expensive than the revenue it generates, the Ontario Energy Board approved an additional Expansion Surcharge or ES. This is a variable rate charge, of \$0.23/cubic meter of natural gas used, which will show as a separate line item on your monthly bill for up to 40 years. On average, this amounts to approximately \$550 a year. Even with the ES, you'll still save on home and water heating fuel costs by switching to natural gas. To estimate your potential fuel savings based on your circumstances visit enbridgegas.com/savewithgas to find valuable information to help make an informed decision for your household.

Get in touch with us

Our local Community Expansion Advisors are just a phone call away. You can reach out to them to talk about the steps to connect to natural gas, learn more about the value of natural gas, and estimate the potential savings for your home or business. They will provide you with sound information to help you determine if switching to natural gas is right for you.

- Jamie Coote 705-845-1100 Jamie.Coote@enbridge.com
- Travis James 289-971-0813 travis.james@enbridge.com

We look forward to meeting your energy needs.



Ahmed Al-Amry
Supervisor, Community Expansion
Enbridge Gas Inc.
savewithgas@enbridge.com
savewithgas.com

*Natural gas prices are based on Rate 01 NE rates in effect as of **July 1, 2021** and includes the \$0.23 per m3 expansion surcharge. Oil price is based on the latest available retail price. Electricity rates-based Hydro One Distribution rates (Mid-density R1) as of **January 1, 2021** and RPP customers that are on TOU pricing. It includes the new Ontario Electricity Rebate (OER). The propane price comparison is based on the lowest price obtained in an area survey. Since individual fuel prices may vary, savings assumptions may or may not be accurate in your situation. Please go to the calculator on enbridgegas.com/savewithgas for a more accurate savings estimate. Costs have been calculated for the equivalent energy consumed and include all service, delivery, and energy charges. Carbon price is included for all energy types as reported. HST is not included.



Investing in Indigenous communities

Working together to create meaningful relationships and lasting prosperity

Enbridge adheres to a strong set of corporate values, and has adopted and implemented a number of corporate responsibility policies and practices. Our Indigenous Peoples Policy guides the nature and scope of our relationships with Indigenous peoples wherever we interact together.

- Serving 21 Indigenous communities across Ontario.
- \$33M in contracts to Indigenous suppliers, vendors and contractors.
- Support for Skills Canada Ontario First Nations, Métis and Inuit Initiatives since 2012.



Energizing the local business community

Access to a more affordable, reliable and plentiful source of energy is a major competitive advantage for both large and small businesses. Connecting to natural gas will help expand critical infrastructure and drive economic development within the community.

Low-cost natural gas delivers approximately \$5 billion in annual savings to Ontario families, businesses and industry—savings that are reinvested into the economy.



We're here for you

Customer care
1-888-774-3111

Call before you dig
1-800-400-2255

Monday to Friday,
8 a.m. – 6 p.m.

24/7 Emergency line
1-877-969-0999

Community expansion contacts

Jamie Coote
705-845-1100
jamie.coote@enbridge.com

Travis James
289-971-0813
travis.james@enbridge.com

Visit enbridgegas.com/savewithgas to learn more about natural gas in your community.



* Subject to change. Please note that all charges, except the fixed Customer Charge, vary based on how much gas you use.

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GEN-CE-LUG JULY2021

Switch to safe, reliable,
affordable natural gas

Energizing your community

Why natural gas is a smart choice



We understand that these are extraordinary times – around the world and at home here in Ontario. Community Expansion work has been identified as an essential service by the Ontario Government. Enbridge Gas is committed to bringing natural gas to your community and we are following the latest guidance provided by public health officials and government authorities. The safety of our customers, employees and contractors is our top priority. Visit [savewithgas.com](https://www.savewithgas.com) for Community Expansion project updates.



The benefits of natural gas



More affordable

Compared to other fuels and electricity, natural gas is the most cost-effective way to heat your home and water.



Reliable and abundant

Never worry about running out of fuel or arranging for deliveries again.



Comfort and convenience

From heating your home and hot water, to cooking, natural gas can make your home more comfortable and enjoyable.



Natural gas furnace

Quickly heats the entire house, circulates filtered air and keeps temperatures consistent



Natural gas fireplace

Cosy up with a good book and forget about cleaning ashes and heat loss up the chimney.



Natural gas barbecue

Makes grilling easy and quick. It is also much more convenient. You won't ever have to run out of fuel.

How to start saving with natural gas

Follow these four easy steps to get connected. It's always better to submit application for a natural gas service as early in the process as you can to help us plan your service and make sure you are included.

1

Visit enbridgegas.com/savewithgas

Go online to enbridgegas.com/savewithgas to express your interest in natural gas by clicking the "Sign up" button to agree to the terms and conditions and set up your account.

Choose from several convenient billing and payment options – if you opt for our equal billing and automatic payment plans, we'll waive the security deposit requirements.

2

Talk to your local heating contractor

Advise your heating contractor that you've agreed to the Terms and Conditions and you've set up your account.

Your contractor will submit the natural gas service application on your behalf.

Once both are complete, our office will be in touch with you to confirm timing.

Our construction department will contact you to schedule a meeting to locate and mark all existing underground services.

3

After we install the natural gas service

Contact your contractor to arrange for the installation/conversion of your natural gas equipment.

4

The final step

Your heating contractor will install your new equipment and arrange for your meter to be installed and activated. Your new equipment will be turned on and inspected as required by the Technical Standards and Safety Act.

Where does your money go?

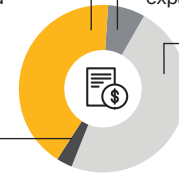
Here's a helpful explanation of the items on a natural gas bill

Expansion Surcharge

It takes significant investment to build the infrastructure to bring natural gas to your community. This surcharge is your contribution, and the fairest way to spread the costs out.

Customer Charge

This is a fixed \$22.50 amount that pays for meter reading, equipment maintenance and 24/7 emergency response services and community expansion.



Supply, Delivery and Transportation Charges

These cover the costs to buy natural gas, bring it to Ontario and move it to your home, safely and reliably.

Cost Adjustment

You pay what we pay. As the price for natural gas changes, we'll adjust your bill quarterly as a charge or credit.

FAQ

1. As a new community expansion customer, why do I have to pay an additional charge towards the construction costs of the project?

2. Why does the length of time the surcharge is in effect differ by community?

To enable us to extend natural gas to rural areas where the cost of building the infrastructure is more expensive than the revenue it generates, the province's energy regulator—the Ontario Energy Board—has approved an additional new customer charge of 23 cents for each cubic metre of natural gas used for a limited time period. On average, most homes will pay \$550 a year for up to 40 years. The length of time this charge remains in effect varies by community because the overall cost to serve each community differs based on things like the distance of the community from an existing natural gas pipeline. Please note there may be a delay beyond our control in requesting permits and locates.

How to start saving with natural gas

Safe. Reliable. Affordable. Abundant.

1

Sign up online

Go online to enbridgegas.com/savewithgas to express your interest in natural gas by clicking the “Sign up” button to agree to the terms and conditions and set up your account.

Choose from several convenient billing and payment options – if you opt for our equal billing and automatic payment plans, we’ll waive the security deposit requirements.

2

Talk to your local heating contractor

Advise your heating contractor that you’ve agreed to the Terms and Conditions and you’ve set up your account.

Your contractor will submit the natural gas service application on your behalf.

Once both are complete, our office will be in touch with you to confirm timing.

Our construction department will contact you to schedule a meeting to locate and mark all existing underground services.

3

After we install the natural gas service

Contact your contractor to arrange for the installation/conversion of your natural gas equipment.

4

The final step

Your heating contractor will install your new equipment and arrange for your meter to be installed and activated. Your new equipment will be turned on and inspected as required by the Technical Standards and Safety Act.

If you have any questions, please reach out to one of our Community Expansion advisors listed below.

Enbridge Gas contacts

Jamie Coote

705-845-1100

jamie.coote@enbridge.com

Travis James

289-971-0813

travis.james@enbridge.com





For more information visit
enbridgegas.com/savewithgas
to learn about the benefits of
natural gas and the many ways
it can help fuel your lifestyle.



IMPORTANT

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Natural gas is now available in your community

Terms and Conditions for natural gas service—to be completed by the property owner

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers which will include up to 30 metres of laid pipe and anything beyond that would be \$45 per metre (plus applicable taxes).

Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

Enbridge Gas will assess where your HVAC provider has requested the meter and determine where the service can be installed.

Expansion Surcharge—what to expect

It takes significant investment to build the infrastructure to bring natural gas to your community. The Expansion Surcharge (Surcharge) provides lower upfront costs to customers by spreading them out over time*.

On average, most homes will pay a Surcharge of about \$550 per year (\$0.23 per cubic metre). The Surcharge is based on the home's consumption and will fluctuate based on the gas consumed.

The cancellation policy

If your natural gas account is not activated within one year of installation of your new natural gas service, you'll be required to pay Enbridge Gas' installation costs of \$2,500.

Name (please print)

Phone number

Email address

Address (please print)

Signature

Date

Questions? We're here for you

Contact our Customer Care team at 1-888-774-3111
ceapplications@enbridge.com

Please complete this form and email it to ceapplications@enbridge.com

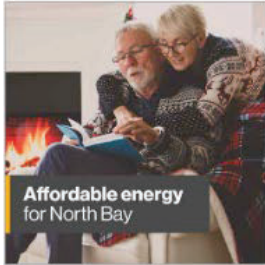


* The Expansion Surcharge will transfer to subsequent owners of your property.
† Natural gas price includes the Expansion Surcharge.



North Bay Digital Ads

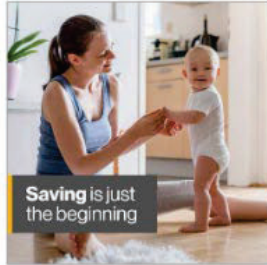
Carousel Ads



Affordable energy
for North Bay

Headline (max 60 characters):
Switch to natural gas (21)

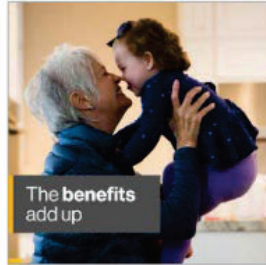
Link Description Text (max 20 characters):
Lower heating bills (19)



Saving is just
the beginning

Headline (max 60 characters):
Save money and energy (21)

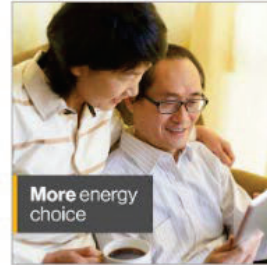
Link Description Text (max 20 characters):
More affordable (15)



The benefits
add up

Headline (max 60 characters):
More value for your energy dollar (34)

Link Description Text (max 20 characters):
More convenient (14)



More energy
choice

Headline (max 60 characters):
A switch you can feel good about (34)

Link Description Text (max 20 characters):
More comfort (12)



Switch to
natural gas

Headline (max 60 characters):
Affordable. Reliable. Plentiful. (32)

Link Description Text (max 20 characters):
Lower emissions (15)

Post Copy (max 125 characters):
When you switch to natural gas, you'll save all year, every year, avoid running out of fuel and reduce carbon emissions. (120)

CTA:
Learn More

Static Ad



**Save on energy,
spend on what you love**

Headline (max 40 characters):

Switch. Save. Simple. (22)

Post copy (125 characters):

North Bay: Switch from heating with oil or propane to natural gas for annual savings, more comfort and lower emissions. (119)

Link description (max 30 characters):

The benefits add up (19)

CTA:

Learn More

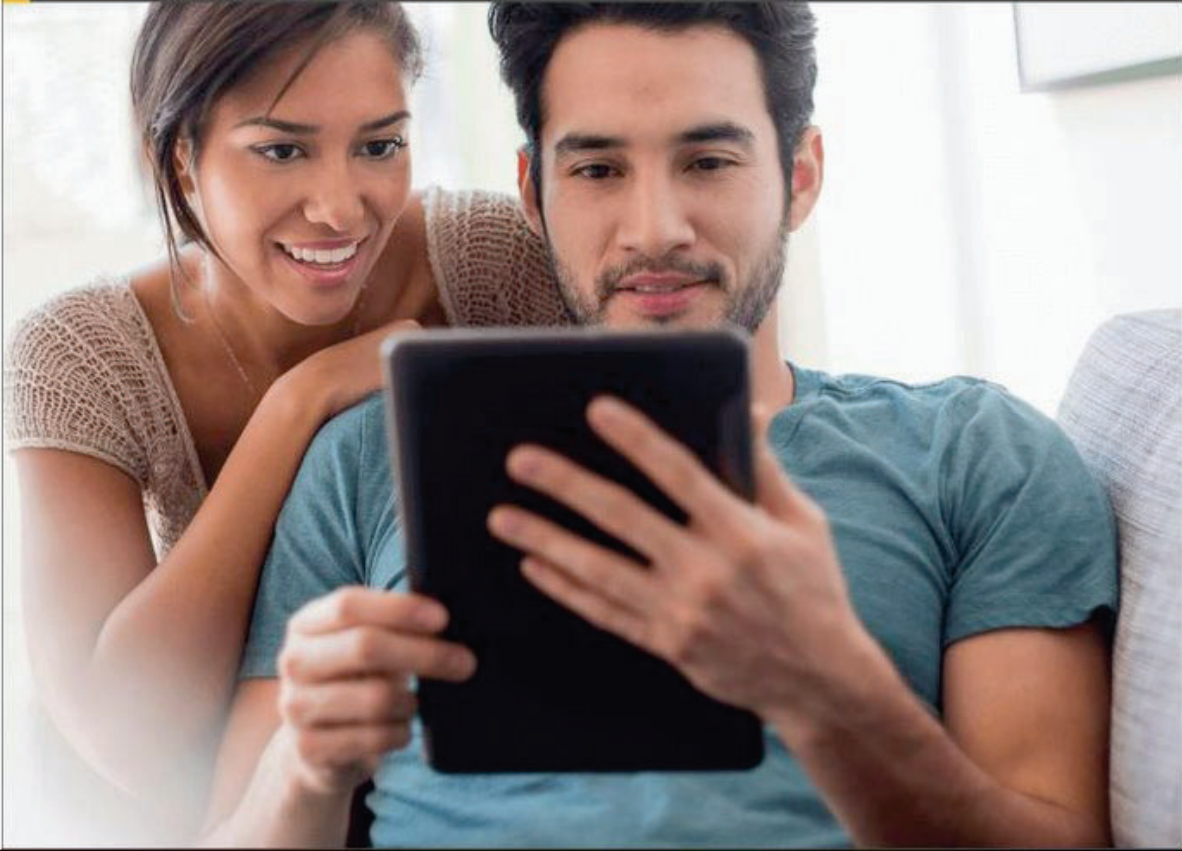


North Bay Virtual Open House Ad

March 2021



Attend our Virtual Open House on March 4



Attachment 11

North Bay

Always there
for you when
you need it

**Natural gas is the
consistent, versatile and
affordable choice**

Calculate your savings at
savewithgas.com





North Bay Newspaper Ad

Northshore and Peninsula Road Area

Save on energy, spend on those you love

Natural gas is now available!

Home comfort doesn't have to be costly — switch to reliable, affordable natural gas so you can save all year, every year.

We're here for you

Jamie.Cooite@enbridge.com
705-845-1100

Travis.James@enbridge.com
289-971-0813

Email us at
CEAPPLICATIONS@enbridge.com

Sign up today!

Visit enbridgegas.com/savewithgas
to sign up and calculate your savings.



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Northshore and Peninsula Road Area

Towards a clean energy future

Switch to natural gas for more affordable, reliable home heating—plus do your part to reduce your home's greenhouse gas emissions.

Sign up now and enjoy your natural gas service this year.

Connect with us today.

Jamie Coote: 705-845-1100
Jamie.Coote@enbridge.com

Travis James: 289-971-0813
Travis.James@enbridge.com



Visit enbridgegas.com/savewithgas to sign up and calculate your savings.



Northshore and Peninsula Road Area

Towards a clean energy future

Switch to natural gas for more affordable, reliable home heating—plus do your part to reduce your home's greenhouse gas emissions.

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Jamie Coote: 705-845-1100
Jamie.Coote@enbridge.com

Travis James: 289-971-0913
Travis.James@enbridge.com

Visit enbridgegas.com/savewithgas to sign up and calculate your savings.



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Rink Advertising

Fenelon Falls

Jan 4, 2021 – Jan 2, 2022

Natural gas is a
game-changer
savewithgas.com





Saugeen Kiosk Digital Ad

Saugeen First Nation Residents

We are here for you!

Stop by our kiosk at:

Saugeen First Nation Governance Building
6 Cameron Drive, Southampton

Wednesday, Nov. 17
1:30 – 5:30 p.m.

Thursday, Nov. 18
10 a.m. – 2 p.m.

Rain date: Tuesday, Nov. 23 10 a.m. – 2 p.m.





Saugeen Fridge Magnet Calendar Mailer



OCTOBER 2021

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Let's connect

Selwyn Community Expansion Project

Wednesday, May 4
10 a.m. – 6 p.m.

Rain date:
Thursday, May 5, 10 a.m. – 6 p.m.

Learn about the benefits of switching to natural gas and how to get connected.

Stop by our kiosk at:

Classy Chassis & Cycles
1399 8th Line Smith, Lakefield

Representatives will be available to answer all your questions:

Drop by to have all **your questions answered** and
we'll help you apply for your natural gas service.

Talk about potential savings
on your home energy bills.

Connect with us at: ceapplications@enbridge.com



We're proud to energize the Township of Selwyn!

Dear Selwyn Resident,

Now's the time to apply for natural gas

We have some good news to share with you. Your address is identified as in scope for receiving natural gas shortly, and we want to make sure you're in the best position to connect as soon as possible. By signing up now, we'll be able to prioritize your service install as soon as the natural gas main is installed in front of your house. You may see us working on your street, including items such as survey stakes or locates.

If you're considering converting to natural gas, the earlier you apply the better as permits and locates can take time.

Refer to the Four-Step Process card when you're ready to apply, then visit enbridgegas.com/savewithgas to start your application. You're required to agree to the Terms and Conditions – either electronically during sign up at enbridgegas.com/savewithgas, or you can complete and email this to our Community Expansion Advisors at ceapplications@enbridge.com when the form is complete.

Unlock the value of natural gas

When compared to using electricity, propane or oil, natural gas could save you up to 54%* per year on home and water heating costs. Natural gas is also the most affordable way to run appliances like ranges, clothes dryers and barbecues.

For us to extend natural gas to rural areas where the cost of building the infrastructure is more expensive than the revenue it generates, the Ontario Energy Board approved an additional Expansion Surcharge or ES. This is a variable rate charge, of \$0.23/cubic meter of natural gas used, which will show as a separate line item on your monthly bill for up to 40 years. On average, this amounts to approximately \$550 a year. Even with the ES, you'll still save on home and water heating fuel costs by switching to natural gas. To estimate your potential fuel savings based on your circumstances or find valuable information to help make an informed decision for your household, enbridgegas.com/savewithgas to find out more.

Get in touch with us

Our local Community Expansion Advisors are just a phone call away. You can reach out to them to talk about the steps to connect to natural gas, learn more about the value of natural gas, and estimate the potential savings for your home or business. They will provide you with sound information to help you determine if switching to natural gas is right for you.

Community Expansion Advisor
ceapplications@enbridge.com
1-833-356-2689

We look forward to meeting your energy needs.

Ahmed Al-Amry
Supervisor, Community Expansion
Enbridge Gas Inc.
ceapplications@enbridge.com
enbridgegas.com/savewithgas

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Let's connect

Selwyn Community Expansion Project

Wednesday, May 4
10 a.m. – 6 p.m.

Rain date:
Thursday, May 5, 10 a.m. – 6 p.m.

Learn about the benefits of switching to natural gas and how to get connected.

Stop by our kiosk at:
Classy Chassis & Cycles
1399 8th Line Smith, Lakefield

Representatives will be available to answer all your questions:

Drop by to have all **your questions answered** and
we'll help you apply for your natural gas service.

Talk about potential savings
on your home energy bills.

Connect with us at: ceapplications@enbridge.com

How to start saving with natural gas

Safe. Reliable. Affordable. Abundant.

1

Visit enbridgegas.com/savewithgas

Go online to enbridgegas.com/savewithgas to express your interest in natural gas by clicking the "Sign up" button to agree to the Terms and Conditions.

2

Talk to your local heating contractor

Advise your heating contractor that you've agreed to the Terms and Conditions and you've set up your account.

Your contractor will submit the natural gas service application on your behalf.

Once both are complete, our office will be in touch with you to confirm timing.

Our construction department will contact you to schedule a meeting to locate and mark all existing underground services.

3

After we install the natural gas service

Contact your contractor to arrange for the installation/conversion of your natural gas equipment.

4

The final step

Contact 1-877-362-7434 at least 48 hours in advance to arrange your meter activation and final inspection of the natural gas equipment.

If you have any questions, please reach out to one of the following options below::

Email: ceapplications@enbridge.com

Phone: 1-833-356-2689





For more information visit
enbridgegas.com/savewithgas
to learn about the benefits of
natural gas and the many ways
it can help fuel your lifestyle.

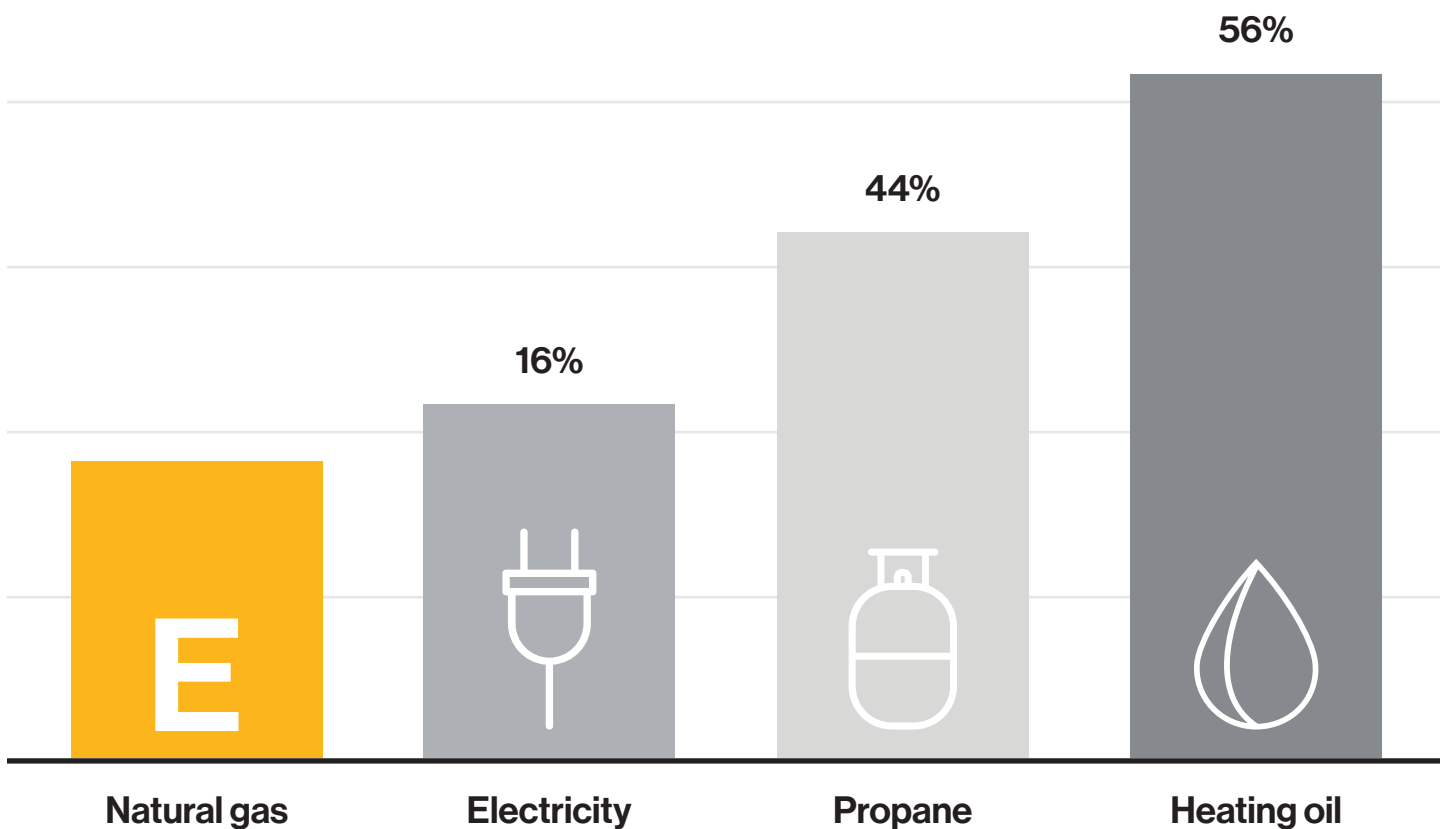


IMPORTANT

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Residential annual heating bills

Annual cost comparison:
space and water heating*



* Natural gas prices are based on Rate 1 rates in effect as of **April 1, 2022** and includes the \$0.23 per m³ expansion surcharge. Oil price is based on the latest available retail price. Electricity rates based Hydro One Distribution rates (Mid-density R1) as of **April 1, 2022** and RPP customers that are on TOU pricing. It includes the new Ontario Electricity Rebate (OER). The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Please go to our calculator at enbridgegas.com/savewithgas for a more accurate savings estimate. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. Carbon price is included for all energy types as reported. HST is not included.

Natural gas is now available in your community

Terms and Conditions for natural gas service—to be completed by the property owner

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers provided that:

1. The distance between the Owner's property line and the front wall of house/building is 20 metres or less; and
2. The distance between the front wall of house/building and the selected meter location is 2 metres or less.

Service and meter installation in excess of these distances will result in additional charges of \$32 per metre (plus applicable taxes)*. Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

Enbridge Gas will assess where your HVAC provider has requested the meter and determine where the service can be installed.

Expansion Surcharge—what to expect

It takes significant investment to build the infrastructure to bring natural gas to your community. The System Expansion Surcharge (Surcharge) provides lower upfront costs to customers by spreading them out over time**.

On average, most homes will pay a Surcharge of about \$550 per year (\$0.23 per cubic metre). The Surcharge is based on the home's consumption and will fluctuate based on the gas consumed.

The cancellation policy

If your natural gas account is not activated within one year of installation of your new natural gas service, you'll be required to pay Enbridge Gas' installation costs of \$2,500.

_____	_____	_____
Name (please print)	Phone number	Email address
_____	_____	_____
Address (please print)	Signature	Date

Questions? We're here for you

Contact our Community Expansion Team at 1-833-356-2689 or email ceapplications@enbridge.com

Please complete this form and email it to ceapplications@enbridge.com

*First Nation communities are exempt from HST.

**The Expansion Surcharge will transfer to subsequent owners of your property.



Let's connect

Selwyn Community Expansion Project

Location

Classy Chassis & Cycles
1399 8th Line Smith, Lakefield

Date

Wednesday, May 4, 10 a.m. – 6 p.m.

Rain Date

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Let's connect

Selwyn Community Expansion Project

Location

Classy Chassis & Cycles
1399 8th Line Smith, Lakefield

Date

Tuesday, Oct. 4, 10 a.m. – 6 p.m.

Rain Date

Thursday, Oct. 6, 10 a.m. – 6 p.m.



Let's connect

Selwyn Community Expansion Project

Location

Classy Chassis & Cycles
1399 8th Line Smith, Lakefield

Date

Tuesday, Oct. 4, 10 a.m. – 6 p.m.

Rain Date

Thursday, Oct. 6, 10 a.m. – 6 p.m.



Choose to pay less for energy

Save up to 65% each year
by switching to natural gas

What's inside:



See how
much you
can save



5-step
guide to get
connected



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know about connecting your home or business and all the benefits of affordable, reliable natural gas.

Save up to 65 percent* each year

Compared to electricity, propane or oil, switching to natural gas could save you on home and water heating costs year round. It's more convenient: you'll never run out of fuel or wait for trucks to arrive.

Lower carbon emissions

Natural gas is cleaner than other fuels and can help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

See how much you can save

Use our online calculator to see how much you can save by switching to natural gas. Enter your home's size, age and a few more details to get a personalized estimate of annual savings.

Calculate your savings by visiting enbridgegas.com/savewithgas and finding your community page to use the calculator.

Ahmed Al-Amry

Ahmed Al-Amry

Supervisor, Community Expansion
Enbridge Gas



Get in touch any time

For construction updates or questions about the steps to connect to natural gas, personalized cost savings and more, contact one of our Community Expansion Advisors.

Community Expansion Contacts:

Phone: 1-833-356-2689

Email: ceapplications@enbridge.com

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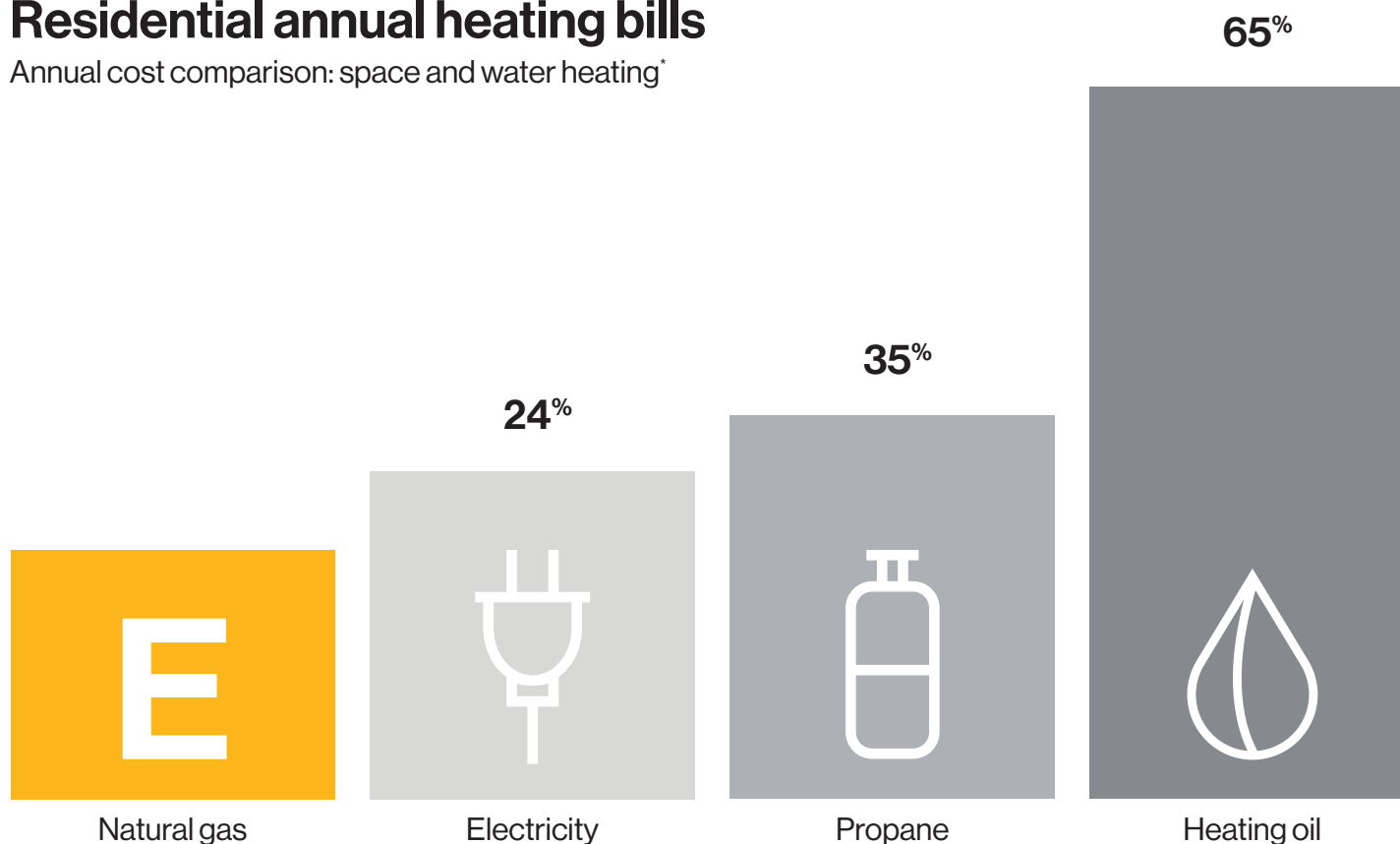
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



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Bring home all the benefits



More affordable

Compared to other fuels and electricity, natural gas is the most cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



Lower carbon emissions

Natural gas can help reduce your home's carbon footprint.

Billing and charges

Where does your money go?

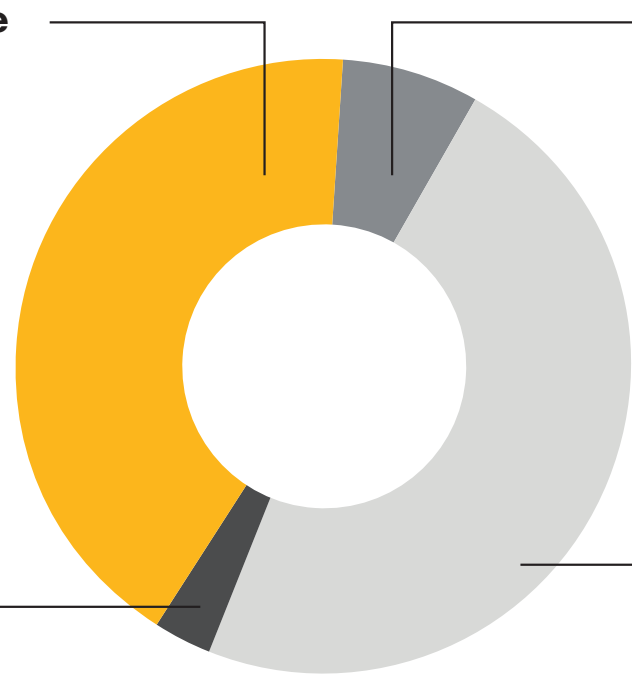
Here's a helpful explanation of a few key items on your natural gas bill

Expansion Surcharge

The fairest way to cover the infrastructure costs of expanding natural gas service.

Cost Adjustment

Natural gas rates vary by season—you pay what we pay.



Customer Charge

This is a fixed \$22.88* amount that pays for 24/7 emergency response and other services.

* Subject to change. Please note that all charges, except the fixed customer charge, vary based on how much natural gas you use.

Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Go to enbridgegas.com/savewithgas to get an estimate of your potential fuel savings.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

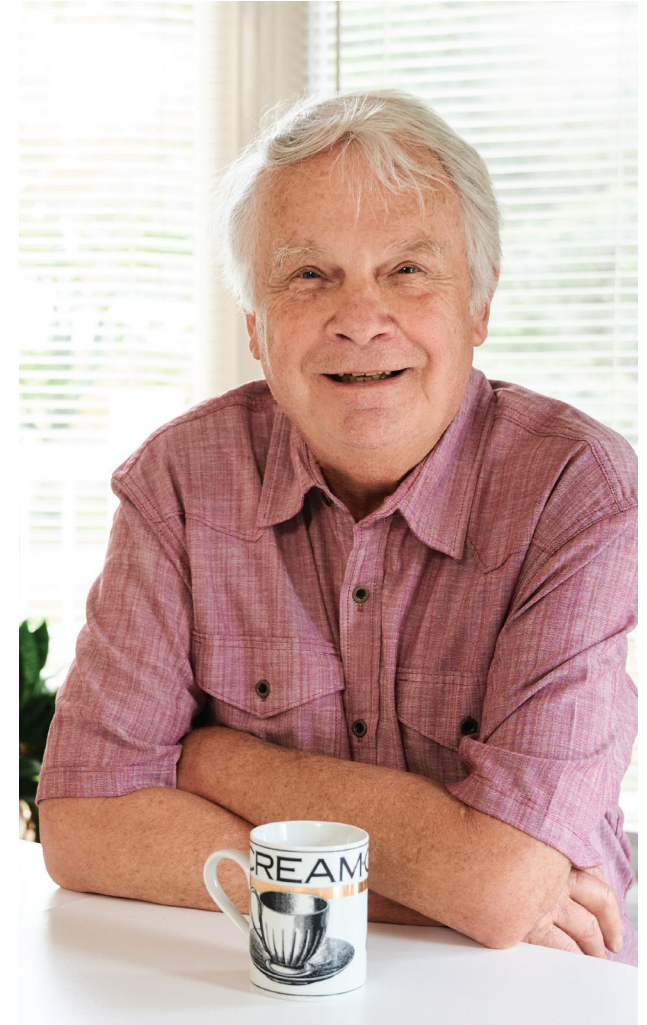
“We’ve saved all kinds of money by converting to natural gas, especially over the cost of hydro these days. It just made sense.”

**– Phil Dewsnap,
Homeowner,
Fenelon Falls**



“I live in a rural region. That means I have my own septic, my own water, and if things don’t work, I’m in real trouble. Natural gas has helped me be more independent and I saved a really good buck.”

– John Powell, Homeowner, Scugog Island



“The advice I would give others is to convert to natural gas. We’ve seen a lot of energy savings, the conversion was simple and you get some extra money in your pocket, so it’s worth doing.”

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How to get connected

5 simple steps to switch

It's always best to complete your application for natural gas service as early as possible. This helps us to ensure you are included in our planning process.



1. Inquire with us

Visit enbridgegas.com/savewithgas to review project details, calculate your estimated savings and engage our project team to answer any of your questions.



2. Get an estimate from your local heating contractor

Once you have made your decision to convert, your contractor will submit the natural gas service application on your behalf. You will receive an email summary of the gas application as submitted by your contractor.

A member of our team will contact you to coordinate locating and marking all existing underground utilities.



3. Acknowledge your account details

You will receive a confirmation email with a verification link prompting you to validate the following: your service address, homeowner and billing information.

You will also be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you can still save significantly every year by switching to natural gas.



4. After we install the natural gas service

Contact your contractor to arrange for the installation and conversion of your natural gas equipment.



5. The final step

Contact 1-877-362-7434 at least 48 hours in advance to arrange your meter activation and final inspection of the natural gas equipment.

Natural gas service installation policy

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IMPORTANT!

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

Name (please print)

Address

Phone number

Email address

Existing primary heat source

Existing secondary heat source

Signature

Date

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



Questions? We're here for you.

Contact a Community Expansion Advisor:
1-833-356-2689
ceapplications@enbridge.com

Completing this Expression of Interest Card is not an application for natural gas, or a binding contract by either you or Enbridge Gas for natural gas service.

Choose to pay less for energy

Save up to 65% each year
by switching to natural gas

What's inside:



See how
much you
can save



5-step
guide to get
connected



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know about connecting your home or business and all the benefits of affordable, reliable natural gas.

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Ahmed Al-Amry

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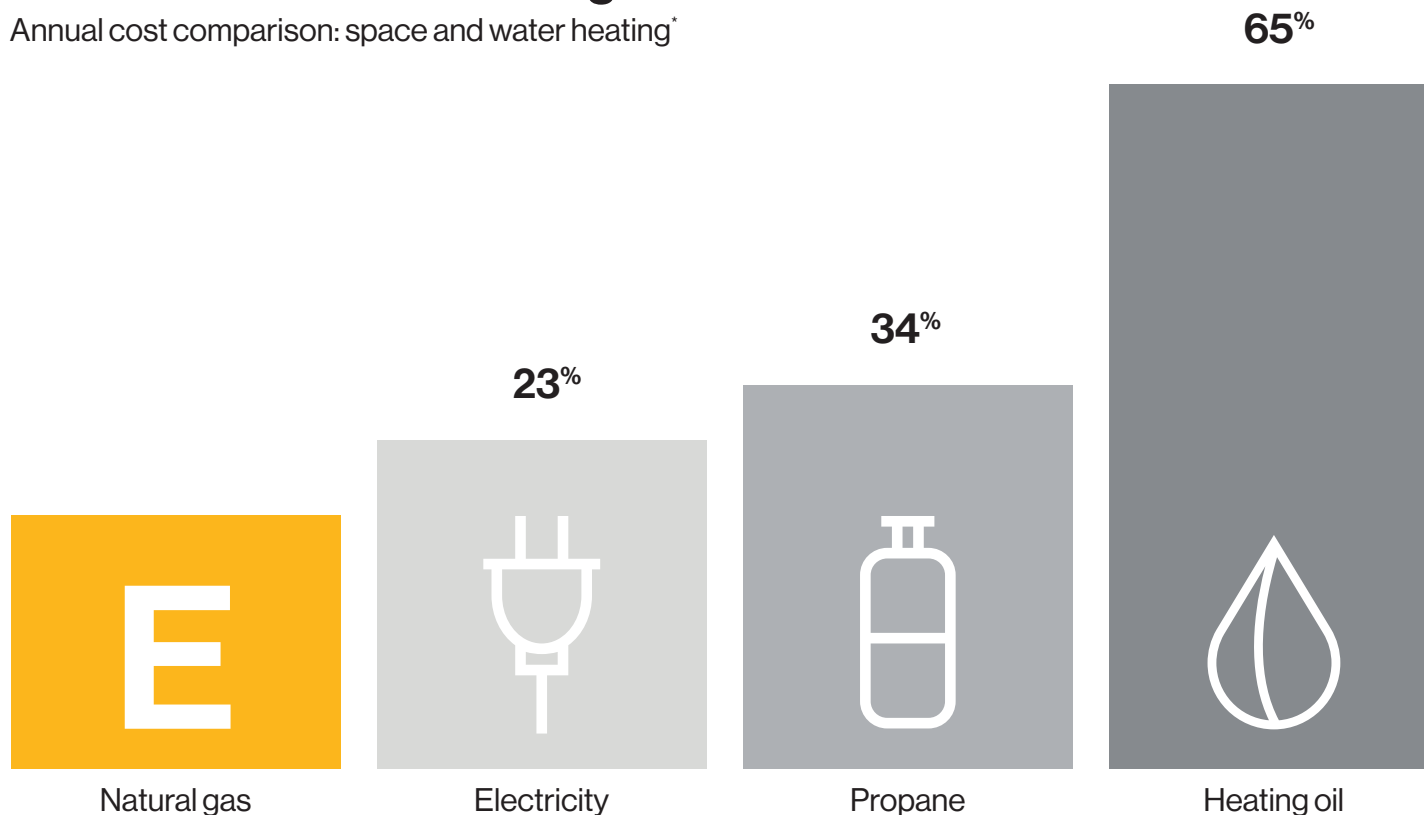
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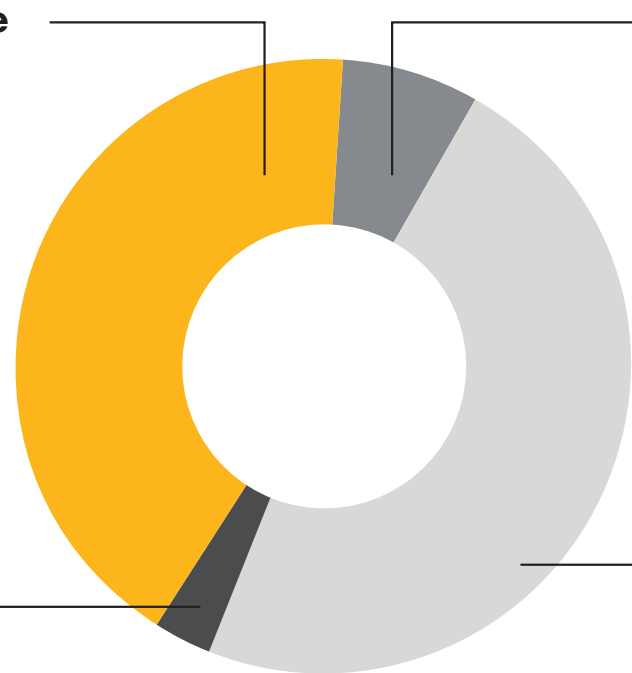
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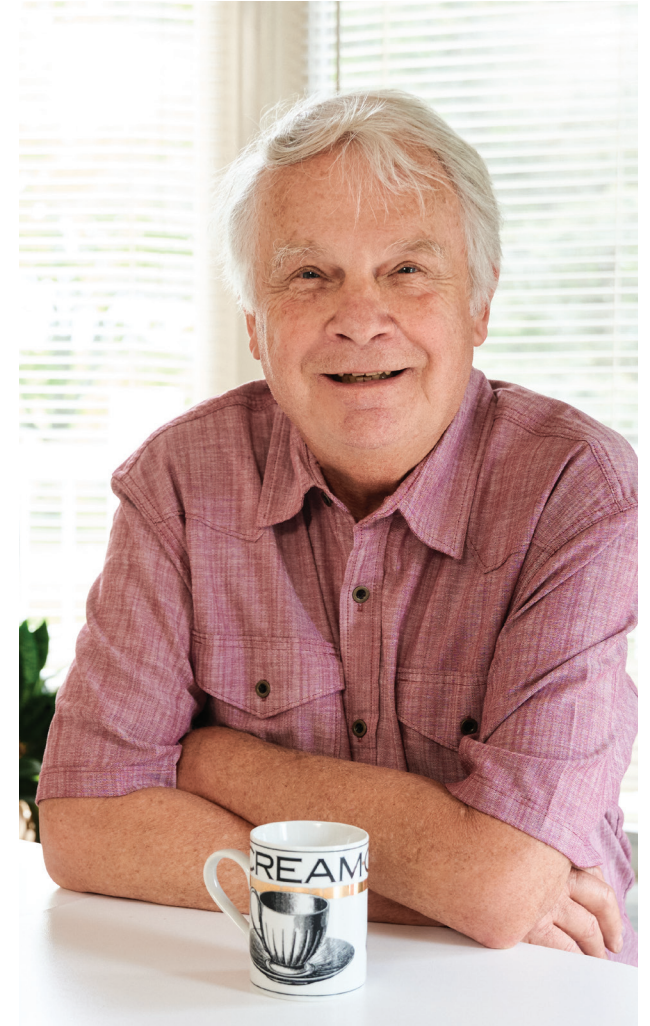
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Homeowner,
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A member of our team will contact you to coordinate locating and marking all existing underground utilities.



3. Acknowledge your account details

You will receive a confirmation email with a verification link prompting you to validate the following: your service address, homeowner and billing information.

You will be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you can still save significantly every year by switching to natural gas.



4. After we install the natural gas service

Contact your contractor to arrange for the gas meter installation and conversion of your natural gas equipment.



5. The final step

Your new natural gas equipment will be turned on and inspected as required by the Technical Standards and Safety Act.

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers which will include up to 30 metres of laid pipe and anything beyond that would be \$45 per metre (plus applicable taxes). Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

IMPORTANT!

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

Name (please print)

Address

Phone number

Email address

Existing Primary Heat Source

Existing Secondary Heat Source

Signature

Date

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



Questions?

We're here for you.

Contact a Community Expansion Advisor:

1-833-356-2689
ceapplications@enbridge.com

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ENBRIDGE GAS

CE Selwyn Campaign

October 5, 2022



C O N T E X T

CE SELWYN CAMPAIGN

Concept 1: From pains to gains

We know that customers often make buying decisions based on emotions. In this concept, we focus on negative emotions (pain points) to hook interest initially, supported by the benefits of switching to natural gas.



C O N T E X T

Selwyn

Are you
paying
too much
for home
heating?

Now you can
switch to natural
gas and save
up to 60%

You could cut
your energy
bills in half!

Why choose
natural gas?



Save money compared to electricity, propane or oil.



Never run out of fuel or have to wait for deliveries again.



Make your home more comfortable with natural gas fireplaces, barbecues, clothes dryers and more.



Reduce your home's carbon footprint.

What your neighbours
are saying



"We've seen a lot of energy savings since we converted. I think our first hydro bill when we moved in here was somewhere around \$800. Now we're down, saved maybe \$1,100 or \$1,500 a year by converting to natural gas."

Phil, Fenelon Falls



"It was costing me \$5,000 a year for oil fired heating, and now I'm paying 1,400 bucks a year from Enbridge. I'm sort of loving it."

John, Scugog

Visit enbridgegas.com/savewithgas to calculate your savings.



Concept 1a — Social (Static)

 **Enbridge Gas**
Sponsored

Tired of high energy costs? Choose natural gas for lower energy bills and cleaner heating than propane, oil or wood. [116]



Save with natural gas

ENBRIDGEGAS.COM

Save up to 60% when you switch [30] [Learn More](#)

[Calculate your savings \[22\]](#)



Concept 1a — Social (Carousel)



Enbridge Gas

Sponsored

Selwyn—enjoy home comfort for less. Get lower energy bills and more peace of mind when you switch to natural gas. [113]



Save with natural gas

Inflation hitting your budget? [30]

Now you can hit back [20]

[Learn More](#)



A natural choice

Switch to natural gas and save up to 60% [40]

Cut costs and carbon [20]

[Learn More](#)



Natural gas — available soon!


Coming soon to Selwyn! [22]

Ready to switch? [17]


[Learn More](#)



Social—Video

 **Enbridge Gas**
Sponsored

See why Selwyn welcomes natural gas. It's more affordable, reliable and cleaner than propane, oil or wood. [106]



John Powell
Scugog

ENBRIDGEGAS.COM

Hear from others who've made the switch [40] [Learn more](#)

[Calculate your savings \[22\]](#)



Concept 1 — Google Discovery Image Options

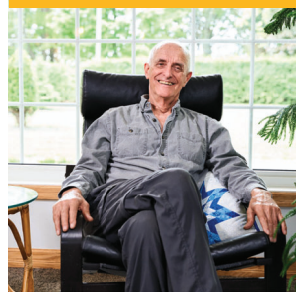
Option 1



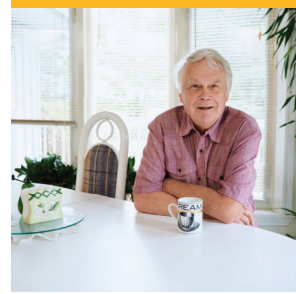
Option 2



Option 3



Option 4



Option 5



Google Discovery Copy

Short headline text – 5 variants (40 characters max)	Long headline text (90 characters max)	Description (90 characters max)	CTA:	Business name:	Destination URL:
Save big with natural gas (25)	See why Selwyn welcomes natural gas. It's affordable, reliable and cleaner. (75)	Save on energy bills with a cleaner and more convenient choice than oil, propane or wood. (86)	Learn more	Enbridge Gas	enbridgegas.com/savewithgas
Affordable energy can be yours (30)	Switch to natural gas to save up to 60 percent on energy bills and cut emissions too! (85)	Visit enbridgegas.com/savewithgas to calculate your savings and hear what others are saying. (89)			
Why choose natural gas? (23)	See why natural gas is Ontario's preferred choice and good news for Selwyn. (75)	Enjoy peace of mind and savings up to 60 percent when you switch—it's easy! (75)			
Tired of high energy costs? (28)	Home comfort doesn't need to be costly anymore—reliable natural gas is on the way! (84)	Never run out of fuel or have to wait for deliveries again. (58)			
Save on energy and emissions (28)	Good news for Selwyn—affordable, reliable, cleaner energy is coming soon! (73)	Reduce your energy bills by up to 60% with a cleaner choice than oil, propane or wood. (86)			



CE SELWYN CAMPAIGN

Concept 2: Welcome home neighbour

With a focus on optimism, warm welcomes and community connections this concept creates positive emotions. Cost savings and convenience close the deal.



C O N T E X T

Concept 2 — Social (Static)

 **Enbridge Gas**
Sponsored

Selwyn—get ready to save up to 60 percent on energy bills when you switch to reliable, convenient natural gas. [110]



Selwyn
Natural gas is coming soon

ENBRIDGEGAS.COM

Cut energy bills in half when you switch [40] [Learn more](#)

[Calculate your savings \[22\]](#)



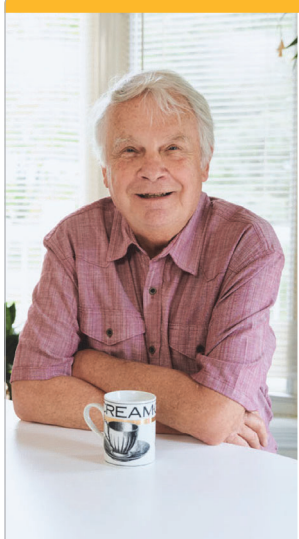
Concept 2 — Social (Carousel)



Enbridge Gas

Sponsored

Have you heard? Natural gas is coming to Selwyn! Find out why Ontarians choose Enbridge Gas. [92]

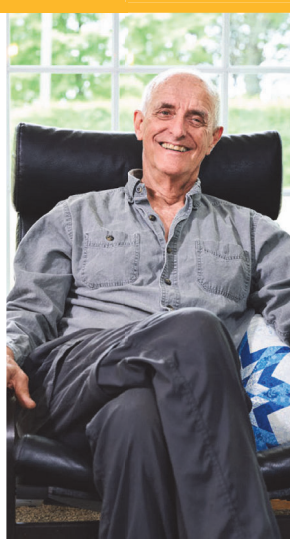


Save up
to 60% on
energy

**Cheaper than propane,
oil or wood [33]**

Cut costs and carbon [20]

[Learn more](#)



A choice
you can
feel good
about

**Cleaner than propane, oil
or wood [22]**

Cut costs and carbon [20]

[Learn more](#)



Switch.
Save.
Smile.


**Worry-free comfort and
convenience [34]**

Cut costs and carbon [20]


[Learn more](#)



Social (Video)

 **Enbridge Gas**
Sponsored

Still heating with oil or propane? Switch to natural gas and save up to 60 percent on your energy costs. [104]



Phil Dewsnap
Fenelon Falls

ENBRIDGEGAS.COM

Hear why your neighbours made the switch [40] [Learn more](#)

Cut costs and carbon [20]



Concept 2 — Google Discovery Image Options

Option 1

Option 2

Option 3

Option 4



CE SELWYN CAMPAIGN

YouTube Companion Ads



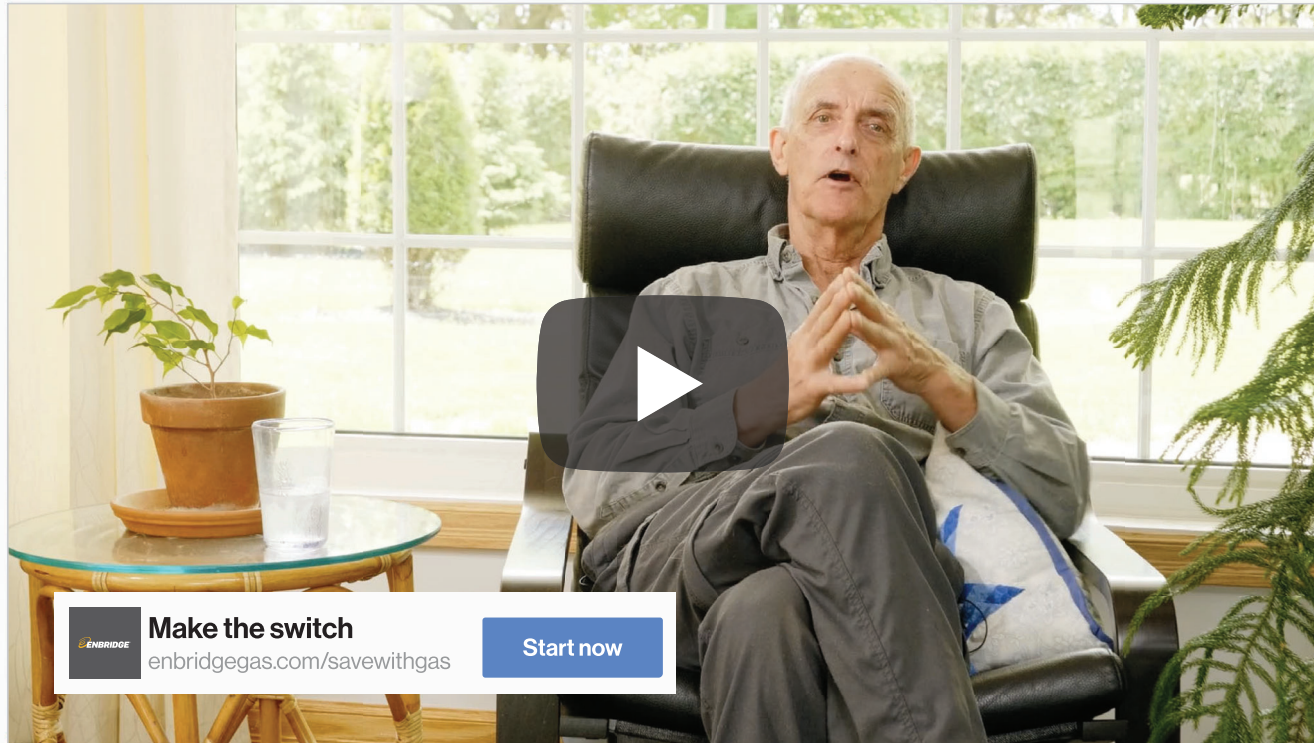
C O N T E X T

YouTube Companion Ads (300 X 60)

Option 1A



Search



Save up to 60%
Affordable natural gas



Make the switch

AD

enbridgegas.com/savewithgas

Start now

Up next

AUTOPLAY



Make the switch

enbridgegas.com/savewithgas

Start now

Long Headline Text:

Selwyn: Are you paying too much for home heating? (59/90)

Description Text: Make the switch to natural gas and save up to 60 percent each year! (67/70)

Call-to-Action Text: Start now (10/10)

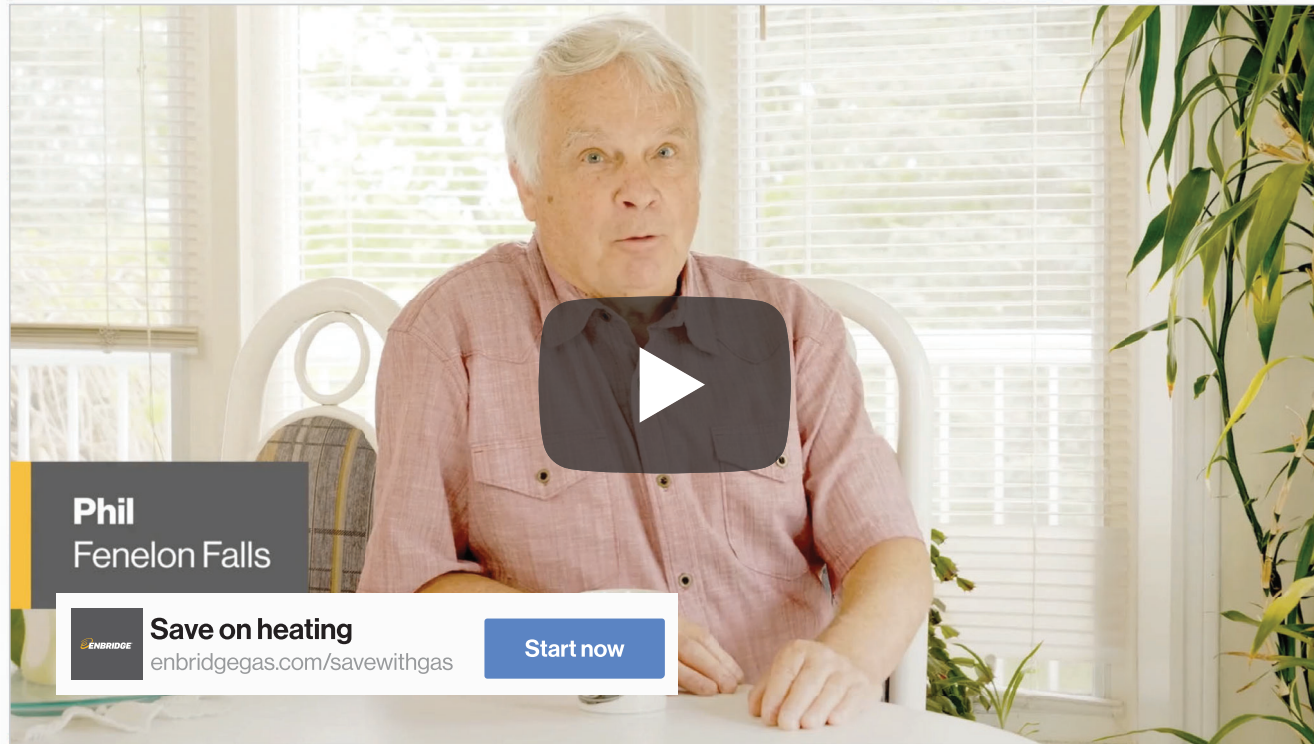
Headline Text: Make the switch (15/15)


Display URL: enbridgegas.com/savewithgas



YouTube Video Action Ads + Companion Ads

Option 1B



How much could you save?
 Switch to natural gas 

 **Save on heating**
 AD enbridgegas.com/savewithgas [Start now](#)

Up next AUTOPLAY



Long Headline Text:

Selwyn: Now you can switch to natural gas and save up to 60 percent each year! (88/90)

Description Text: Cut your energy bills in half with affordable, reliable natural gas. (68/70)

Call-to-Action Text: Start now (10/10)

Headline Text: Save on heating (15/15)

Display URL: enbridgegas.com/savewithgas

YouTube Video Action Ads + Companion Ads

Option 1C



We're happy to bring natural gas to communities

Save on heating
enbridgegas.com/savewithgas **Start now**

ENBRIDGE

How much could you save?
Switch to natural gas **ENBRIDGE**

Save on heating
AD enbridgegas.com/savewithgas **Start now**


Up next **AUTOPLAY**

Long Headline Text:
Natural gas is reliable, convenient and much more affordable than other energy options. (87/90)

Description Text:
Selwyn: Switch to natural gas and save up to 60% a year! (68/70)

Call-to-Action Text: Start now (10/10)
Headline Text: Save on heating (15/15)

Display URL: enbridgegas.com/savewithgas



Are you paying too much for home heating?

Come visit us to see how much you can save!

Tuesday, Feb. 7
12 p.m. – 7 p.m.

Learn about the benefits of switching to natural gas and how to get connected.

Stop by our Information Session at:

Community Hall

836 Charles St, Bridgenorth

Drop by to have all **your questions answered** and let us know if you're interested in connecting to natural gas.

Talk about potential savings on your home energy bills.


Connect with us at: ceapplications@enbridge.com



Mohawks of the Bay of Quinte and Shannonville Community Expansion Project

Virtual Information Session
May 16 – 29

Mohawks of the Bay of Quinte and Shannonville Community Expansion Project

The background of the slide is a scenic landscape. In the foreground, there is a dark asphalt road with white lane markings. A concrete barrier runs across the middle ground. Behind the barrier, there are several tall, thin evergreen trees and some shorter, denser trees. The sky is filled with soft, golden light, suggesting a sunset or sunrise, with some light clouds. The overall mood is peaceful and natural.

Virtual Information Session
May 16 – 29

Mohawks of the Bay of Quinte and Shannonville Community Expansion Project

Open House

Location

Mohawks Bay of Quinte
Community Centre (upstairs)
1807 York Road, Deseronto

Date and time

May 30, 4 – 7 p.m.



Marketing Creative Approval Sign Off Document



Project name:	LUG 5-Step Sign Up Card
Date:	
Client:	Community Expansion
Marketing Lead:	Brock Hamilton

Approvals	Date	Name
Attachment Lead:		Travis James

Prints	
Print quantity:	

Shipping information	
Ship to (name):	
Ship to (address):	
Phone (for courier):	
Date (to arrive):	

How to start saving with natural gas

Safe. Reliable. Affordable. Abundant.

1

Inquire with us

Visit enbridgegas.com/savewithgas to review project details, calculate your estimated savings and engage with our project team to answer any of your questions.

2

Get an estimate from your local heating contractor

Once you have made your decision to convert, your contractor will submit the natural gas service application on your behalf.

You will receive an email summary of the gas application as submitted by your contractor.

A member of our team will contact you to coordinate locating and marking all existing underground utilities.

3

Acknowledge your account details

You will receive a confirmation email with a verification link prompting you to validate the following: your service address, homeowner and billing information.

You will be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you can still save significantly every year by switching to natural gas.

4

After we install the natural gas service

Contact your contractor to arrange for the gas meter installation and conversion of your natural gas equipment.

5

The final step

Your new natural gas equipment will be turned on and inspected as required by the Technical Standards and Safety Act.

If you have any questions, please reach out to one of our Community Expansion advisors.

Enbridge Gas Community Expansion Advisors

Email: ceapplications@enbridge.com

Phone: 1-833-356-2689





For more information visit
enbridgegas.com/savewithgas
to learn about the benefits of
natural gas and the many ways
it can help fuel your lifestyle.



IMPORTANT

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Choose to pay less for energy

Save up to 63% each year
by switching to natural gas

What's inside:



See how
much you
can save



5-step
guide to get
connected



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know about connecting your home or business and all the benefits of affordable, reliable natural gas.

Save up to 63 percent* each year

Compared to electricity, propane or oil, switching to natural gas could save you on home and water heating costs year round. It's more convenient: you'll never run out of fuel or wait for trucks to arrive.

Lower carbon emissions

Natural gas is cleaner than other fuels and can help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

See how much you can save

Use our online calculator to see how much you can save by switching to natural gas. Enter your home's size, age and a few more details to get a personalized estimate of annual savings.

Calculate your savings by visiting enbridgegas.com/savewithgas and finding your community page to use the calculator.

Ahmed Al-Amry

Ahmed Al-Amry
Supervisor, Community Expansion
Enbridge Gas



Get in touch any time

For construction updates or questions about the steps to connect to natural gas, personalized cost savings and more, contact one of our Community Expansion Advisors.

Community Expansion Contacts:

Phone: 1-833-356-2689

Email: ceapplications@enbridge.com

* Natural gas prices are based on Rate M1 rates in effect as of **Jan. 1, 2023** and include the \$0.23 per m³ expansion surcharge. Oil price is based on the latest available retail price. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of **Jan. 1, 2023** and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Please use the savings calculator found on this page for a more accurate savings estimate. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. Carbon price is included for all energy types as reported. HST is not included.

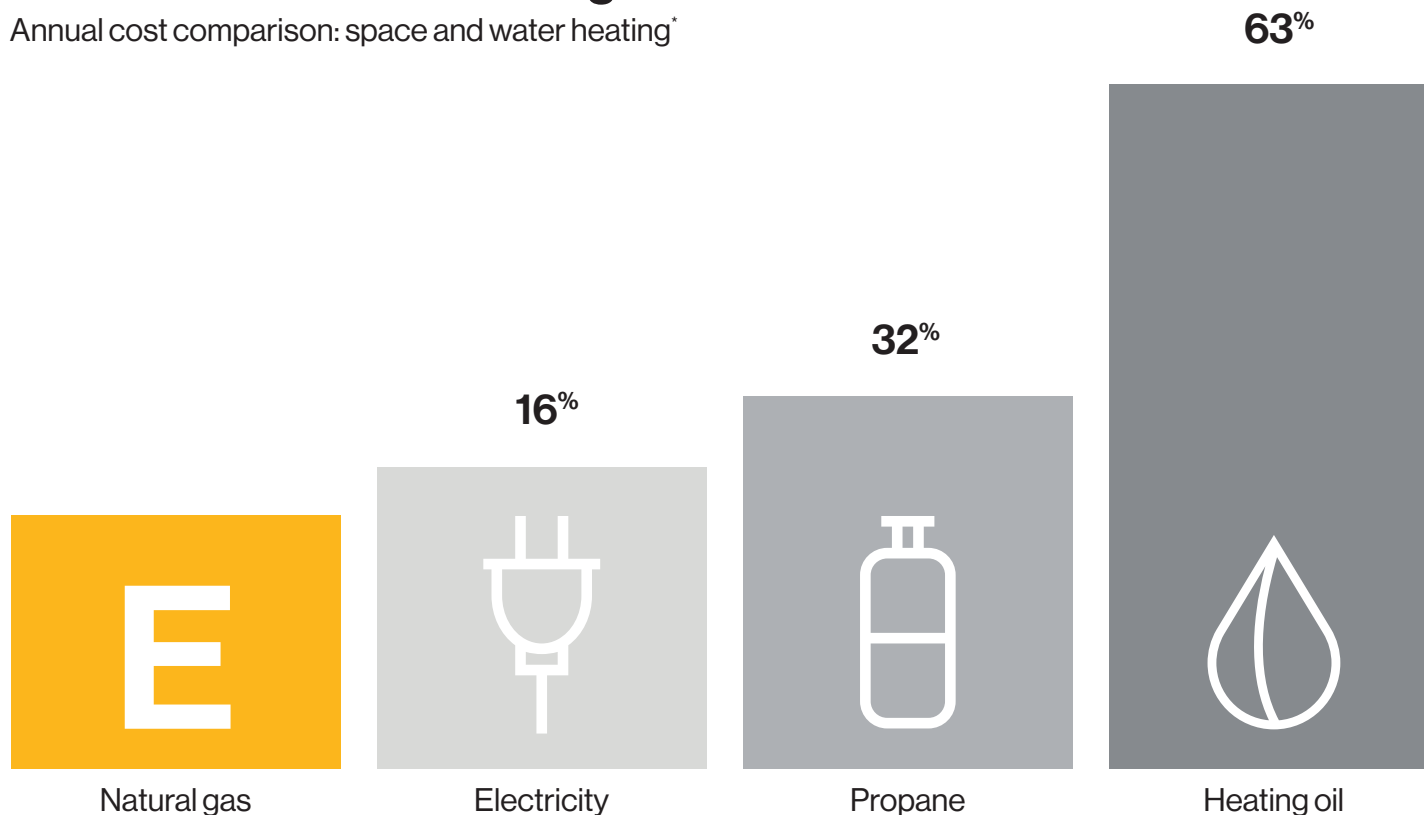
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



* Natural gas prices are based on Rate M1 rates in effect as of Jan. 1, 2023 and include the \$0.23 per m³ expansion surcharge. Oil price is based on the latest available retail price. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of Jan. 1, 2023 and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Please use the savings calculator found on this page for a more accurate savings estimate. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. Carbon price is included for all energy types as reported. HST is not included.

Bring home all the benefits



More affordable

Compared to other fuels and electricity, natural gas is the most cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



Lower carbon emissions

Natural gas can help reduce your home's carbon footprint.

Billing and charges

Where does your money go?

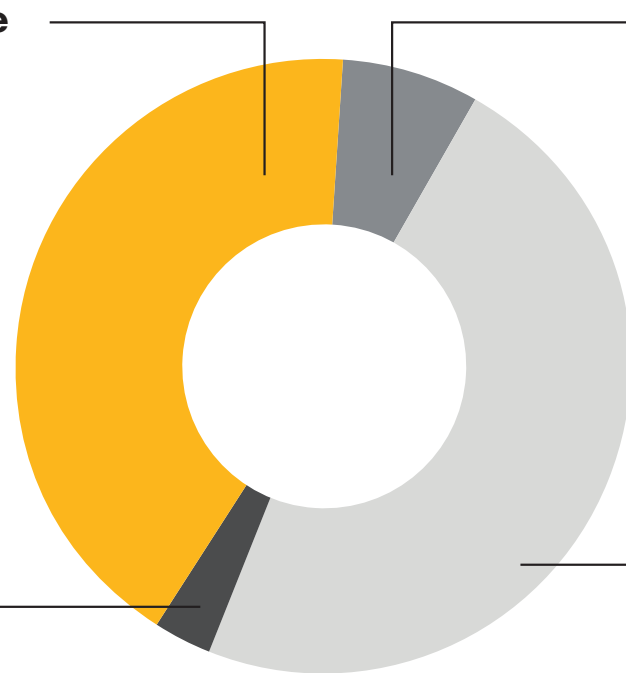
Here's a helpful explanation of a few key items on your natural gas bill

Expansion Surcharge

The fairest way to cover the infrastructure costs of expanding natural gas service.

Cost Adjustment

Natural gas rates vary by season—you pay what we pay.



Customer Charge

This is a fixed \$23.98* amount that pays for 24/7 emergency response and other services.

* Subject to change. Please note that all charges, except the fixed customer charge, vary based on how much natural gas you use.

Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Go to enbridgegas.com/savewithgas to get an estimate of your potential fuel savings.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

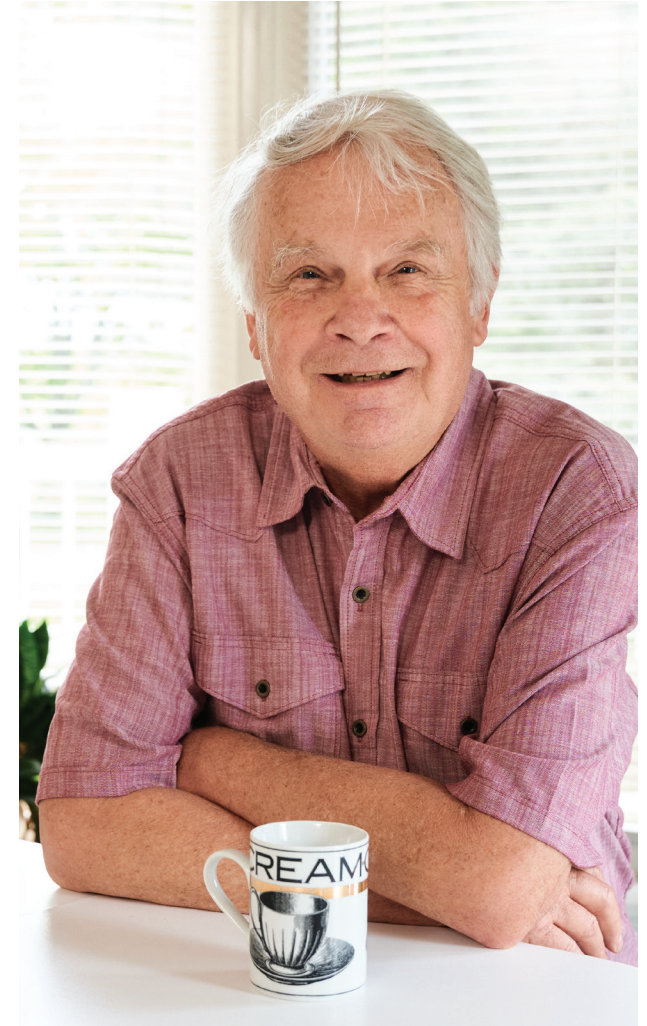
“We’ve saved all kinds of money by converting to natural gas, especially over the cost of hydro these days. It just made sense.”

**– Phil Dewsnap,
Homeowner,
Fenelon Falls**



“I live in a rural region. That means I have my own septic, my own water, and if things don’t work, I’m in real trouble. Natural gas has helped me be more independent and I saved a really good buck.”

– John Powell, Homeowner, Scugog Island



“The advice I would give others is to convert to natural gas. We’ve seen a lot of energy savings, the conversion was simple and you get some extra money in your pocket, so it’s worth doing.”

– Phil Dewsnap, Homeowner, Fenelon Falls

How to get connected

5 simple steps to switch

It's always best to complete your application for natural gas service as early as possible. This helps us to ensure you are included in our planning process.



1. Inquire with us

Visit enbridgegas.com/savewithgas to review project details, calculate your estimated savings and engage with our project team to answer any of your questions.



2. Get an estimate from your local heating contractor

Once you have made your decision to convert, your contractor will submit the natural gas service application on your behalf. You will receive an email summary of the gas application as submitted by your contractor.

A member of our team will contact you to coordinate locating and marking all existing underground utilities.



3. Acknowledge your account details

You will receive a confirmation email with a verification link prompting you to validate the following: your service address, homeowner and billing information.

You will be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you can still save significantly every year by switching to natural gas.



4. After we install the natural gas service

Contact your contractor to arrange for the gas meter installation and conversion of your natural gas equipment.



5. The final step

Your new natural gas equipment will be turned on and inspected as required by the Technical Standards and Safety Act.

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers which will include up to 30 metres of laid pipe and anything beyond that would be \$45 per metre (plus applicable taxes). Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

IMPORTANT!

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

Name (please print)

Address

Phone number

Email address

Existing Primary Heat Source

Existing Secondary Heat Source

Signature

Date

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:


Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



Questions? We're here for you.

Contact a Community Expansion Advisor:
1-833-356-2689
ceapplications@enbridge.com

Completing this Expression of Interest Card is not an application for natural gas, or a binding contract by either you or Enbridge Gas for natural gas service.



Are you paying too much for home heating?

Come visit us to see how
much you can save!

Wednesday, Feb. 1
2 p.m. – 7 p.m.

Thursday, Feb. 2
10 a.m. – 3 p.m.

**Learn about the benefits of switching to
natural gas and how to get connected.**

Stop by our Information Session at:
Mohawk Community Centre—Upper floor
1807 York Rd. Deseronto

Drop by to have all **your questions answered**
and let us know if you're interested in connecting
to natural gas.

Talk about potential savings
on your home energy bills.

Connect with us at: ceapplications@enbridge.com



Choose to pay less for energy

Save up to 65% each year
by switching to natural gas

What's inside:



See how
much you
can save



5-step
guide to get
connected



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know about connecting your home or business and all the benefits of affordable, reliable natural gas.

Save up to 65 percent* each year

Compared to electricity, propane or oil, switching to natural gas could save you on home and water heating costs year round. It's more convenient: you'll never run out of fuel or wait for trucks to arrive.

Lower carbon emissions

Natural gas is cleaner than other fuels and can help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

See how much you can save

Use our online calculator to see how much you can save by switching to natural gas. Enter your home's size, age and a few more details to get a personalized estimate of annual savings.

Calculate your savings by visiting enbridgegas.com/savewithgas and finding your community page to use the calculator.

Ahmed Al-Amry

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Supervisor, Community Expansion
Enbridge Gas



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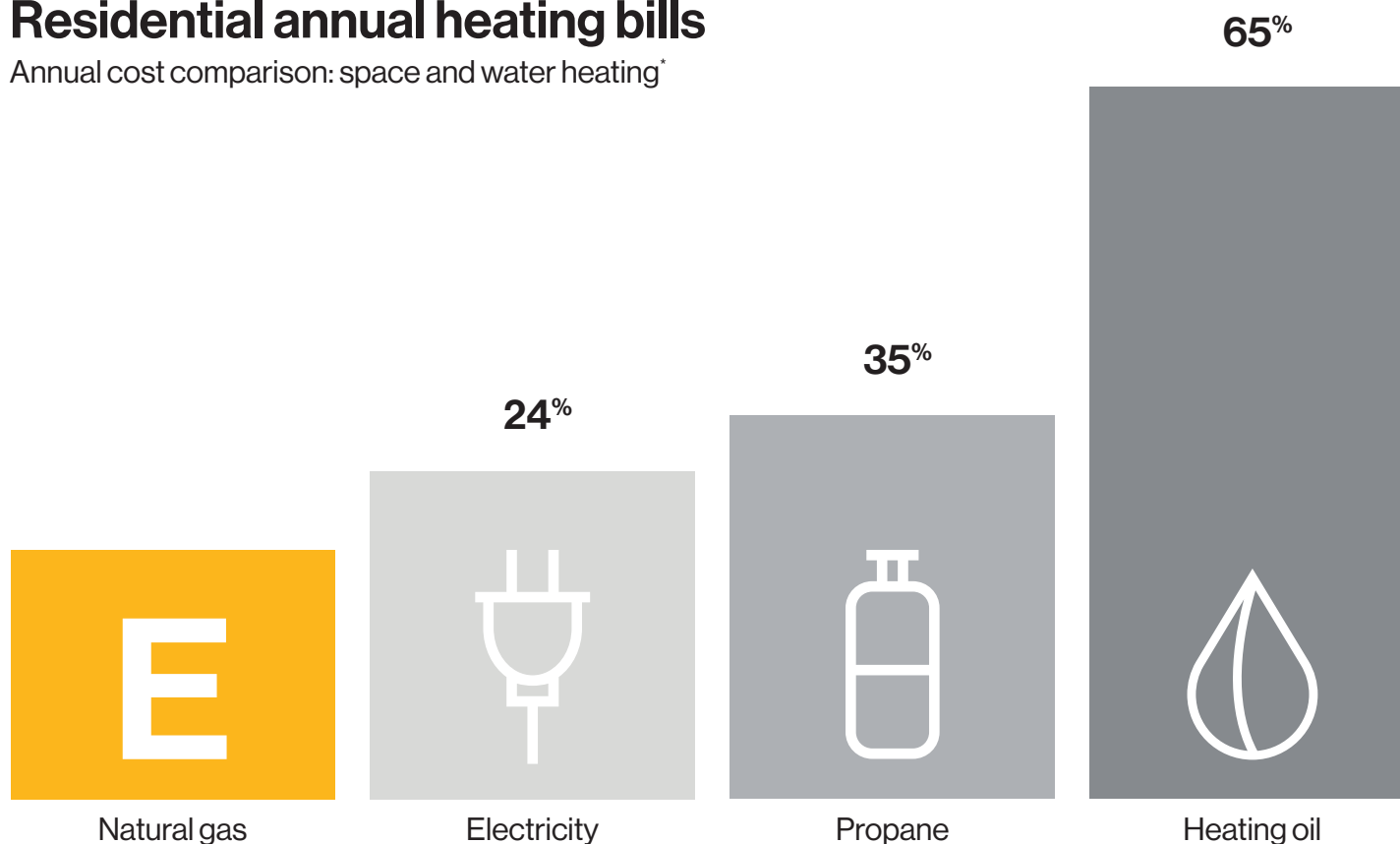
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



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Bring home all the benefits



More affordable

Compared to other fuels and electricity, natural gas is the most cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



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Billing and charges

Where does your money go?

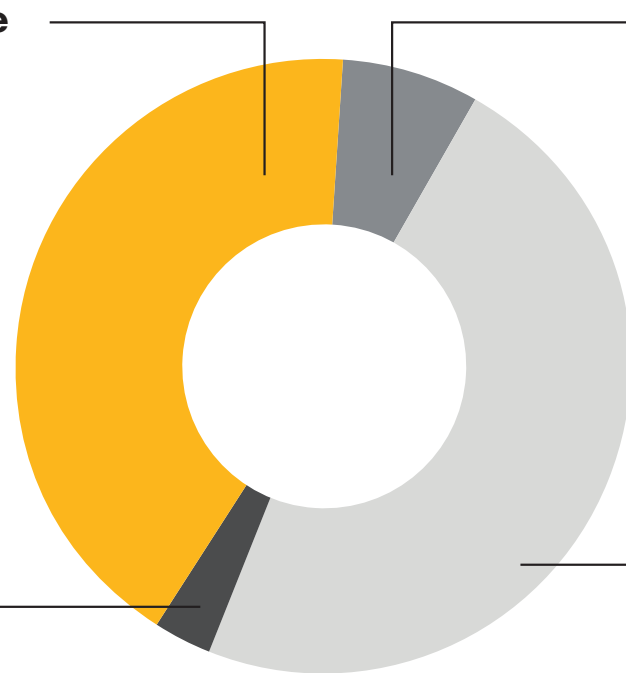
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The fairest way to cover the infrastructure costs of expanding natural gas service.

Cost Adjustment

Natural gas rates vary by season—you pay what we pay.



Customer Charge

This is a fixed \$22.88* amount that pays for 24/7 emergency response and other services.

* Subject to change. Please note that all charges, except the fixed customer charge, vary based on how much natural gas you use.

Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Go to enbridgegas.com/savewithgas to get an estimate of your potential fuel savings.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

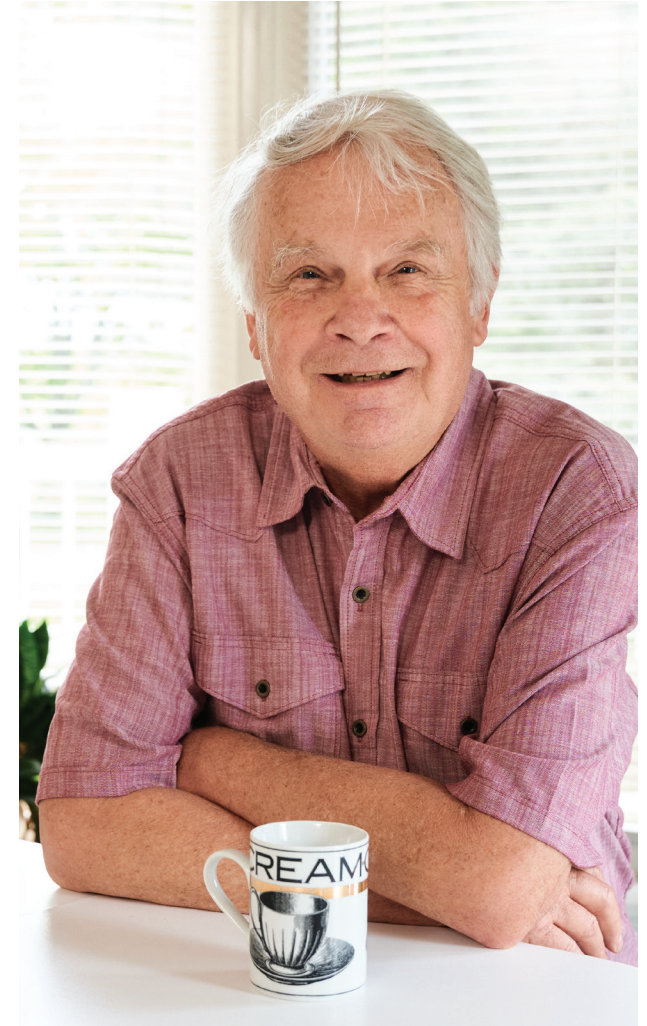
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5 simple steps to switch

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2. Get an estimate from your local heating contractor

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A member of our team will contact you to coordinate locating and marking all existing underground utilities.



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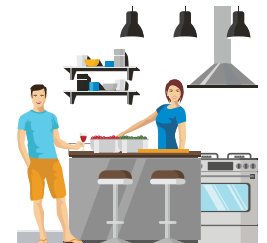
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You will also be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you can still save significantly every year by switching to natural gas.



4. After we install the natural gas service

Contact your contractor to arrange for the installation and conversion of your natural gas equipment.



5. The final step

Contact 1-877-362-7434 at least 48 hours in advance to arrange your meter activation and final inspection of the natural gas equipment.

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers provided that the distance between the Owner's property line and the front wall of house/building is 20 metres or less. Services in excess of this distance will result in additional charges of \$32 per metre (plus applicable taxes). Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

IMPORTANT!

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

Name (please print)

Address

Phone number

Email address

Existing primary heat source

Existing secondary heat source

Signature

Date

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



Questions? We're here for you.

Contact a Community Expansion Advisor:
1-833-356-2689
ceapplications@enbridge.com

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Choose to pay less for energy

Save up to 65% each year
by switching to natural gas

What's inside:



See how
much you
can save



5-step
guide to get
connected



Ready to cut energy bills in half?

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Supervisor, Community Expansion
Enbridge Gas



Get in touch any time

For construction updates or questions about the steps to connect to natural gas, personalized cost savings and more, contact one of our Community Expansion Advisors.

Community Expansion Contacts:

Phone: 1-833-356-2689

Email: ceapplications@enbridge.com

* Natural gas prices are based on Rate M1 rates in effect as of **April 1, 2023** and include the \$0.23 per m³ expansion surcharge. Oil price is based on the latest available retail price. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of **Jan. 1, 2023** and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Please use the savings calculator found on this page for a more accurate savings estimate. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. Carbon price is included for all energy types as reported. HST is not included.

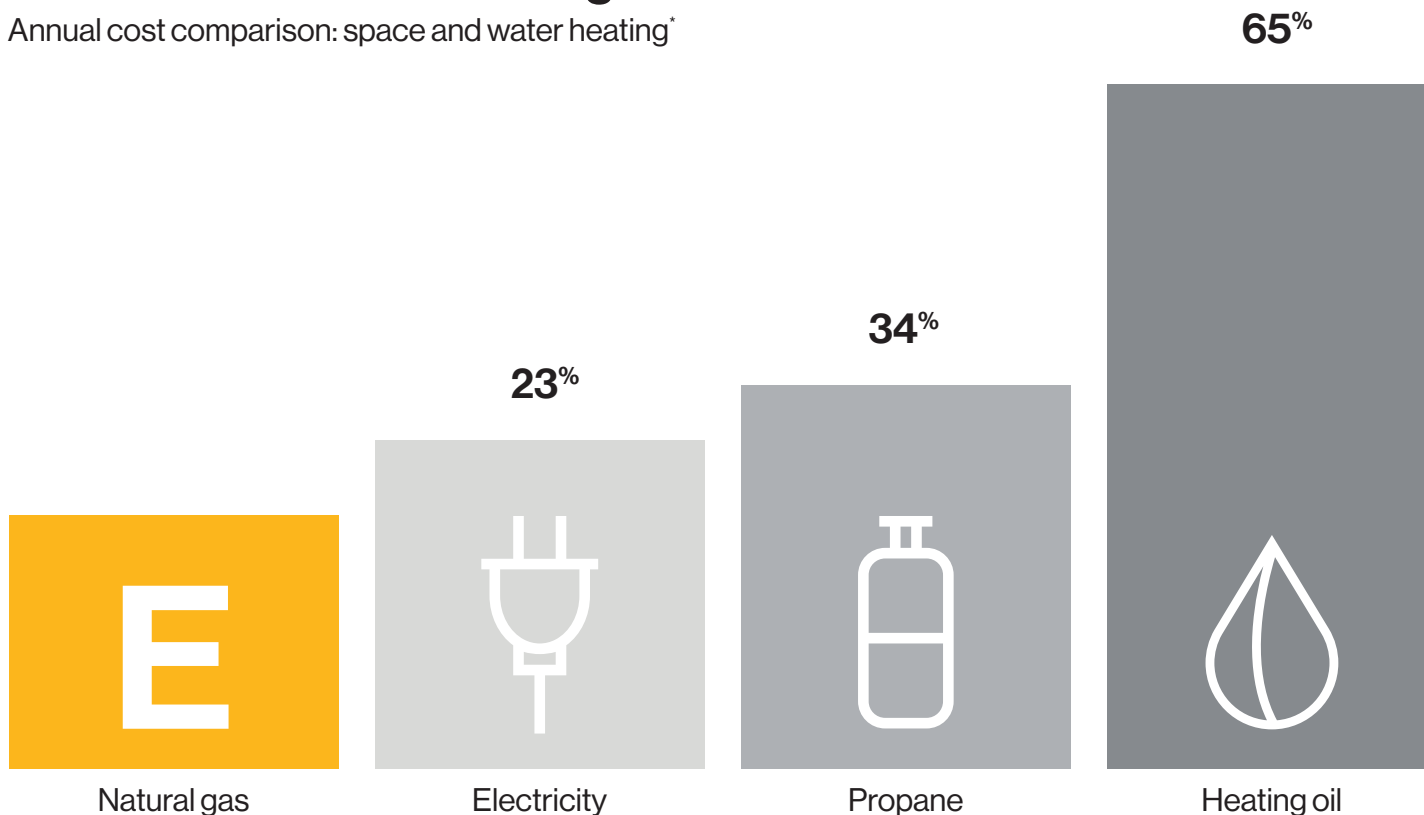
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



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Bring home all the benefits



More affordable

Compared to other fuels and electricity, natural gas is the most cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



Lower carbon emissions

Natural gas can help reduce your home's carbon footprint.

Billing and charges

Where does your money go?

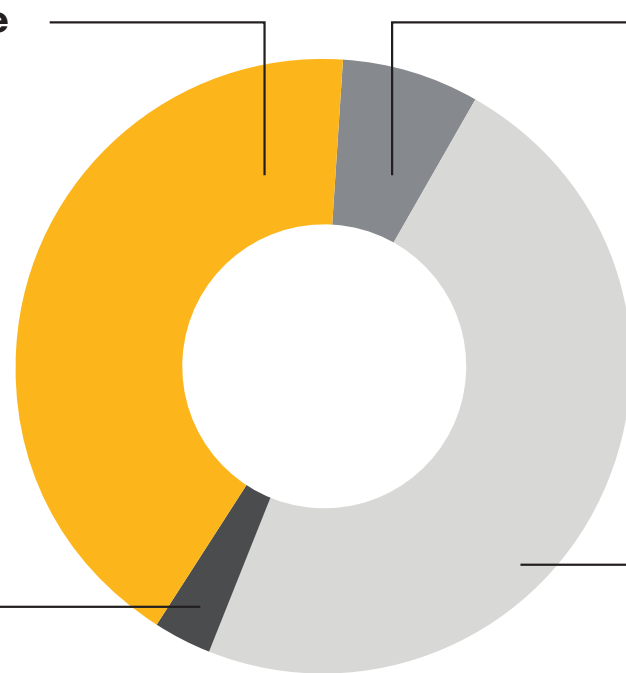
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Expansion Surcharge

The fairest way to cover the infrastructure costs of expanding natural gas service.

Cost Adjustment

Natural gas rates vary by season—you pay what we pay.



Customer Charge

This is a fixed \$23.98* amount that pays for 24/7 emergency response and other services.

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Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

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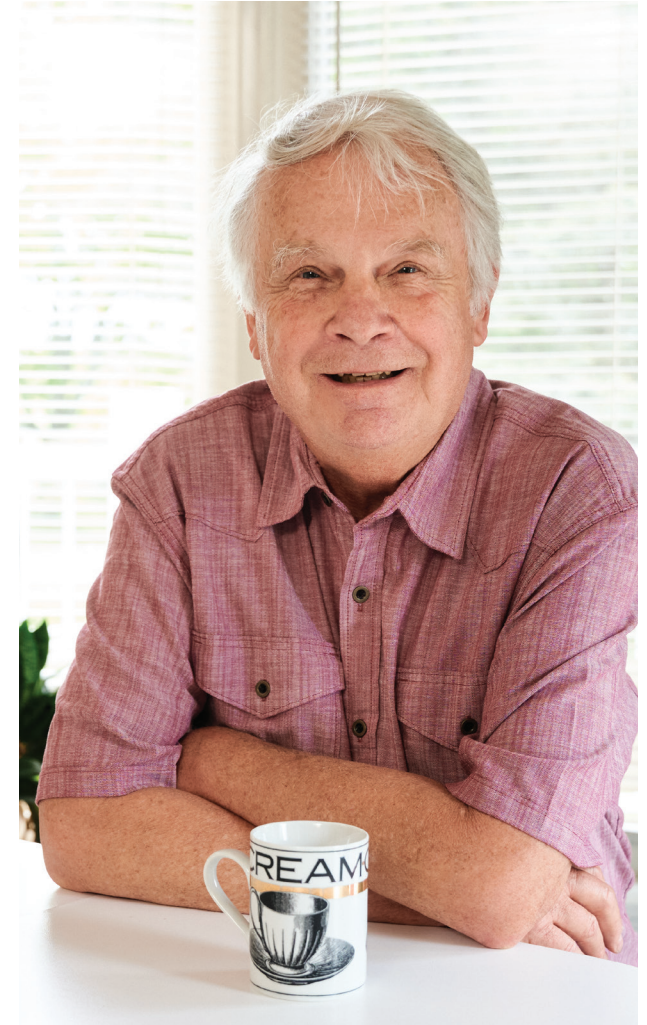
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**– Phil Dewsnap,
Homeowner,
Fenelon Falls**



“I live in a rural region. That means I have my own septic, my own water, and if things don’t work, I’m in real trouble. Natural gas has helped me be more independent and I saved a really good buck.”

– John Powell, Homeowner, Scugog Island



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5 simple steps to switch

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2. Get an estimate from your local heating contractor

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A member of our team will contact you to coordinate locating and marking all existing underground utilities.



3. Acknowledge your account details

You will receive a confirmation email with a verification link prompting you to validate the following: your service address, homeowner and billing information.

You will be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you can still save significantly every year by switching to natural gas.



4. After we install the natural gas service

Contact your contractor to arrange for the gas meter installation and conversion of your natural gas equipment.



5. The final step

Your new natural gas equipment will be turned on and inspected as required by the Technical Standards and Safety Act.

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers which will include up to 30 metres of laid pipe and anything beyond that would be \$45 per metre (plus applicable taxes). Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

IMPORTANT!

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Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

Name (please print)

Address

Phone number

Email address

Existing Primary Heat Source

Existing Secondary Heat Source

Signature

Date

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



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Are you paying too much for home heating?

Dinner and prizes available!*

Come visit us to see how much you can save!

Wednesday, April 19
11 a.m. – 8 p.m.

Learn about the benefits of switching to natural gas and how to get connected.

Stop by our Information Session at:

Mohawk Community Centre—First floor
1807 York Rd. Deseronto

Guest dinner: 5:30 p.m. – 7:30 p.m.

Prize draw at 7 p.m.

*Must speak with a rep to be entered into the draw.

Drop by to have all **your questions answered** and let us know if you're interested in connecting to natural gas.

Talk about potential savings on your home energy bills.

Connect with us at: [**ceapplications@enbridge.com**](mailto:ceapplications@enbridge.com)



Marketing Creative Approval Sign Off Document



Project name:	LUG 5-Step Sign Up Card
Date:	
Client:	Community Expansion
Marketing Lead:	Brock Hamilton

Approvals	Date	Name
Attachment Lead:		Travis James

Prints	
Print quantity:	

Shipping information	
Ship to (name):	
Ship to (address):	
Phone (for courier):	
Date (to arrive):	

How to start saving with natural gas

Safe. Reliable. Affordable. Abundant.

1

Inquire with us

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2

Get an estimate from your local heating contractor

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For more information visit
enbridgegas.com/savewithgas
to learn about the benefits of
natural gas and the many ways
it can help fuel your lifestyle.



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Hidden Valley

Community Expansion
Project



**Virtual
Open House**

Join us June 20 – July 4



Choose to pay less for energy

Save up to 65% each year
by switching to natural gas

What's inside:



See how
much you
can save



5-step
guide to get
connected



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know about connecting your home or business and all the benefits of affordable, reliable natural gas.

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Lower carbon emissions

Natural gas is cleaner than other fuels and can help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

See how much you can save

Use our online calculator to see how much you can save by switching to natural gas. Enter your home's size, age and a few more details to get a personalized estimate of annual savings.

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Supervisor, Community Expansion
Enbridge Gas



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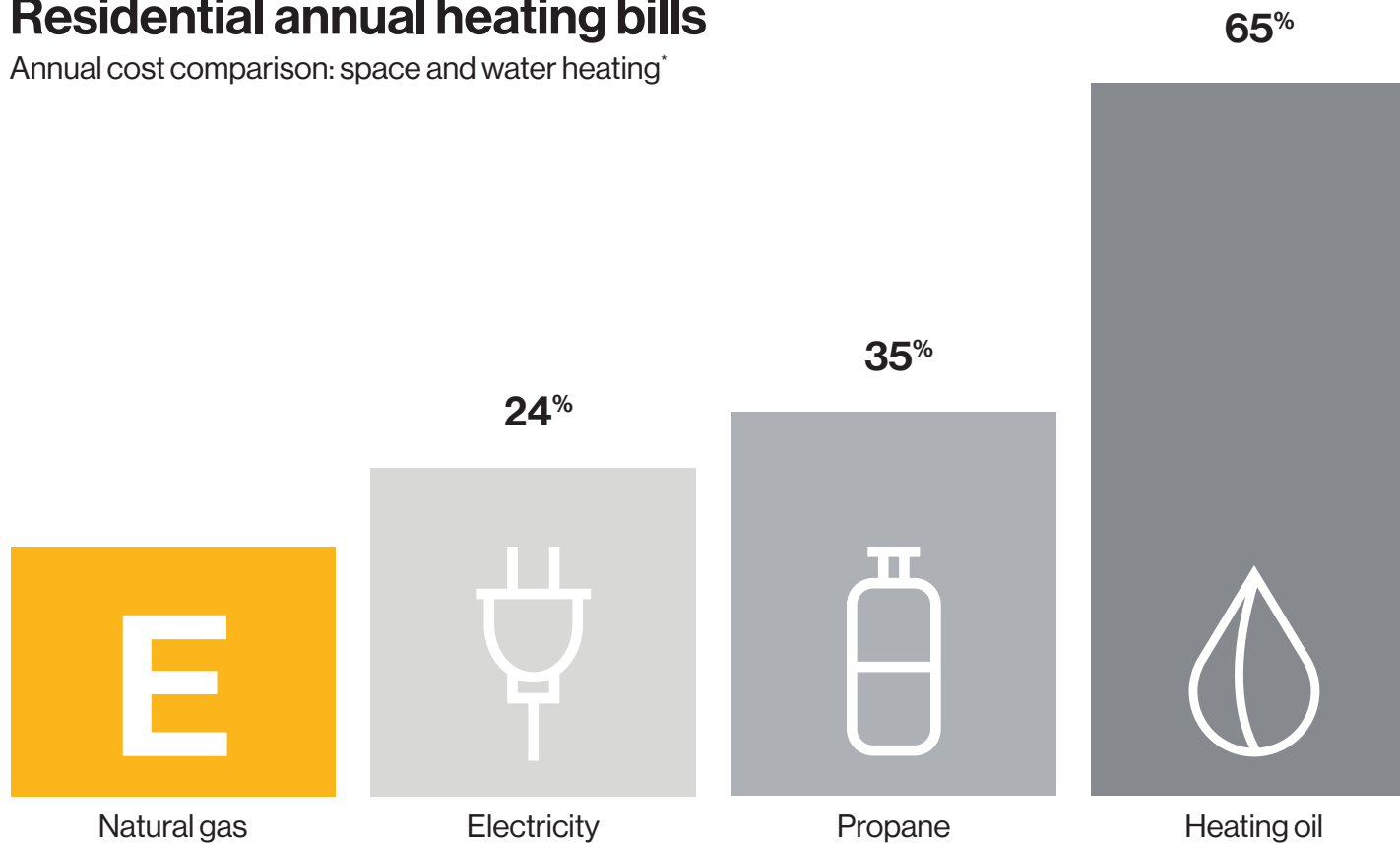
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Annual cost comparison: space and water heating*



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Cost Adjustment

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Customer Charge

This is a fixed \$22.88* amount that pays for 24/7 emergency response and other services.

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Supply, Delivery and Transportation Charges

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Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Go to enbridgegas.com/savewithgas to get an estimate of your potential fuel savings.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

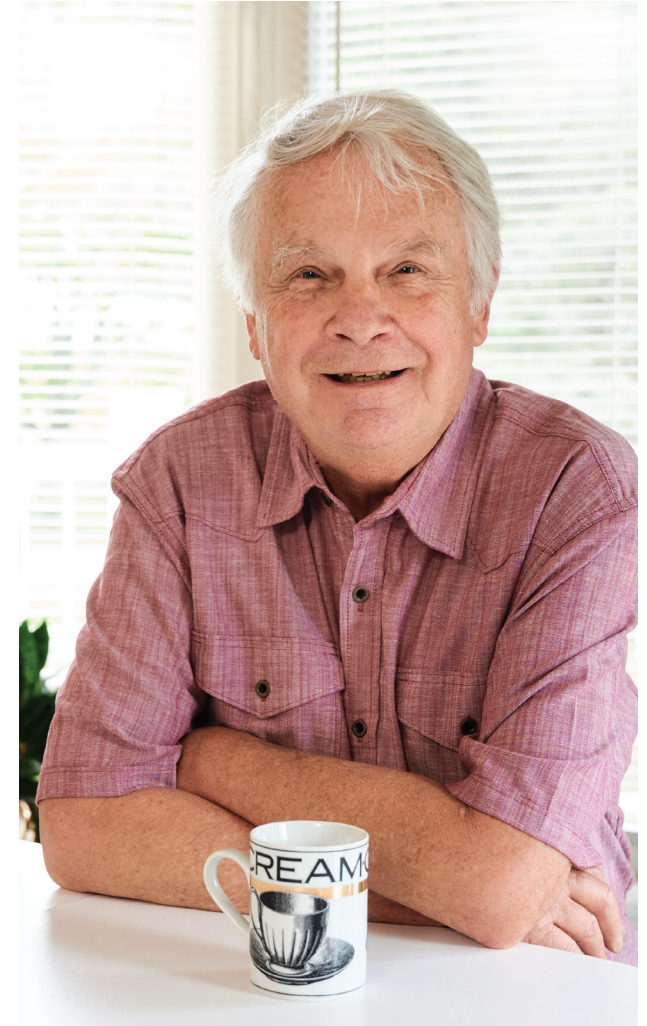
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**– Phil Dewsnap,
Homeowner,
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“I live in a rural region. That means I have my own septic, my own water, and if things don’t work, I’m in real trouble. Natural gas has helped me be more independent and I saved a really good buck.”

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5 simple steps to switch

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3. Acknowledge your account details

You will receive a confirmation email with a verification link prompting you to validate the following: your service address, homeowner and billing information.

You will also be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you can still save significantly every year by switching to natural gas.



4. After we install the natural gas service

Contact your contractor to arrange for the installation and conversion of your natural gas equipment.



5. The final step

Contact 1-877-362-7434 at least 48 hours in advance to arrange your meter activation and final inspection of the natural gas equipment.

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers provided that the distance between the Owner's property line and the front wall of house/building is 20 metres or less. Services in excess of this distance will result in additional charges of \$32 per metre (plus applicable taxes). Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

IMPORTANT!

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Take the first step to savings

Let us know you're interested in connecting to natural gas



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Name (please print)

Address

Phone number

Email address

Existing primary heat source

Existing secondary heat source

Signature

Date

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



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Choose to pay less for energy

Save up to 65% each year
by switching to natural gas

What's inside:



See how
much you
can save



5-step
guide to get
connected



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know about connecting your home or business and all the benefits of affordable, reliable natural gas.

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Compared to electricity, propane or oil, switching to natural gas could save you on home and water heating costs year round. It's more convenient: you'll never run out of fuel or wait for trucks to arrive.

Lower carbon emissions

Natural gas is cleaner than other fuels and can help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

See how much you can save

Use our online calculator to see how much you can save by switching to natural gas. Enter your home's size, age and a few more details to get a personalized estimate of annual savings.

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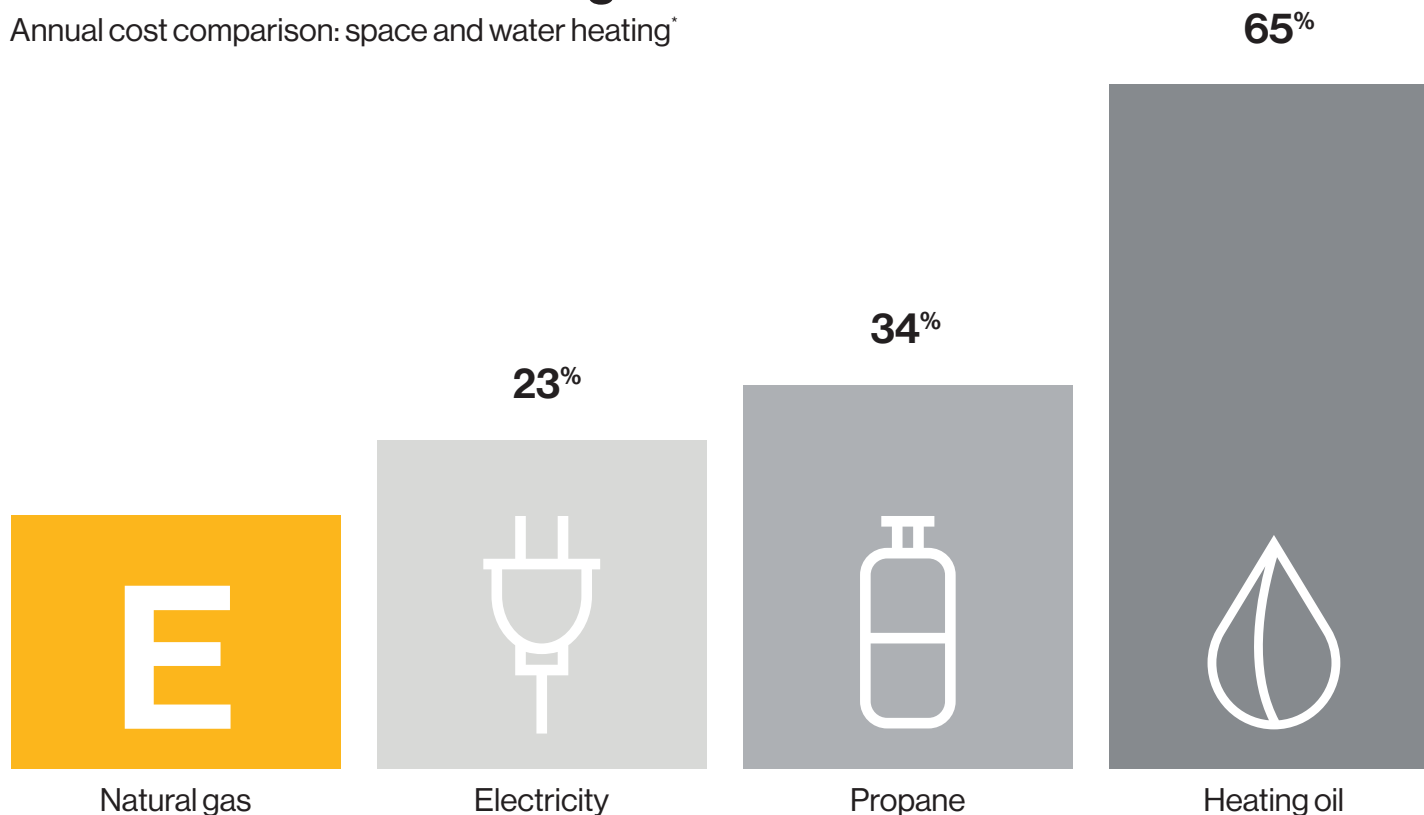
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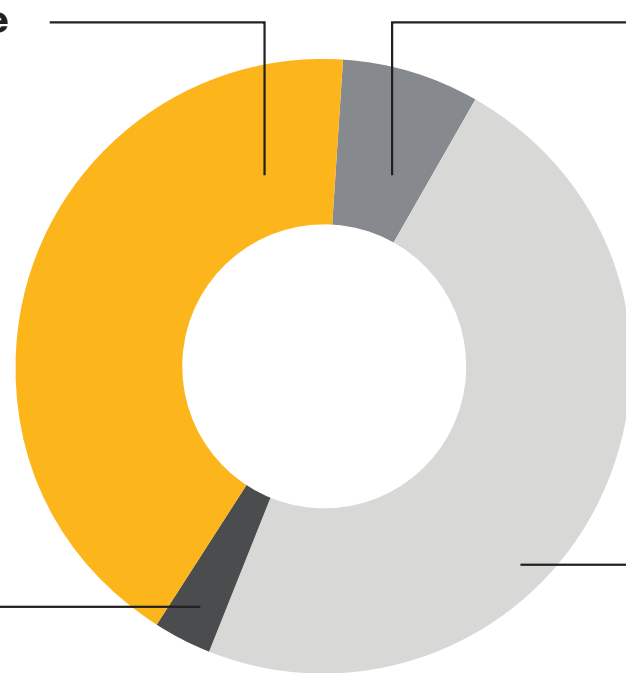
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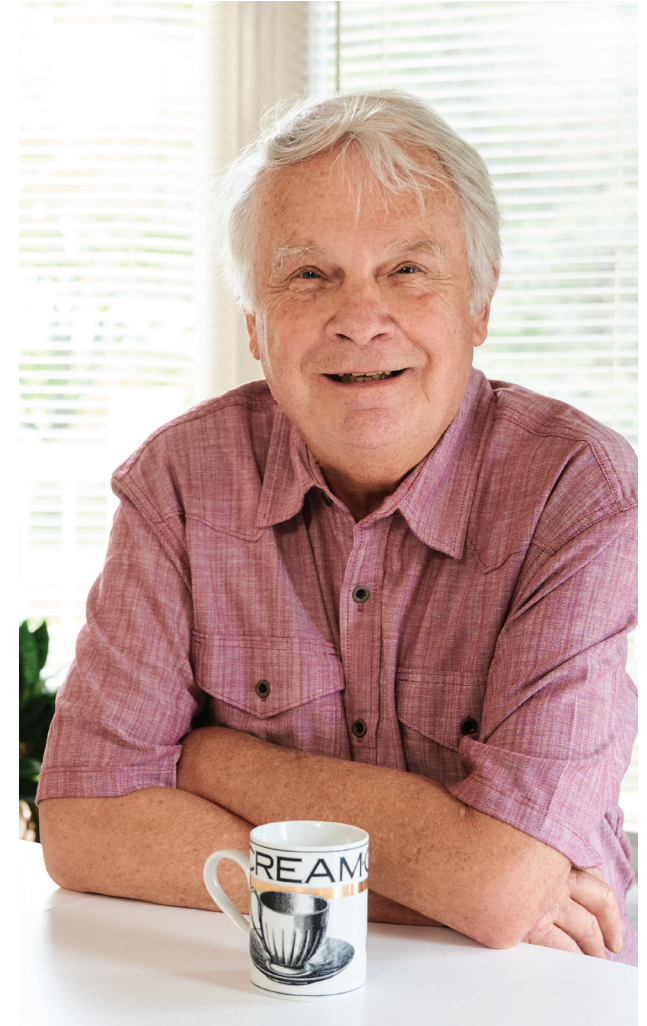
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Existing Primary Heat Source

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Signature

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Community Expansion
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Hidden Valley Resort
1755 Valley Rd. Huntsville

Drop by to have all **your questions answered** and let us know if you're interested in connecting to natural gas.

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Save up to 63% each year
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What's inside:



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5-step
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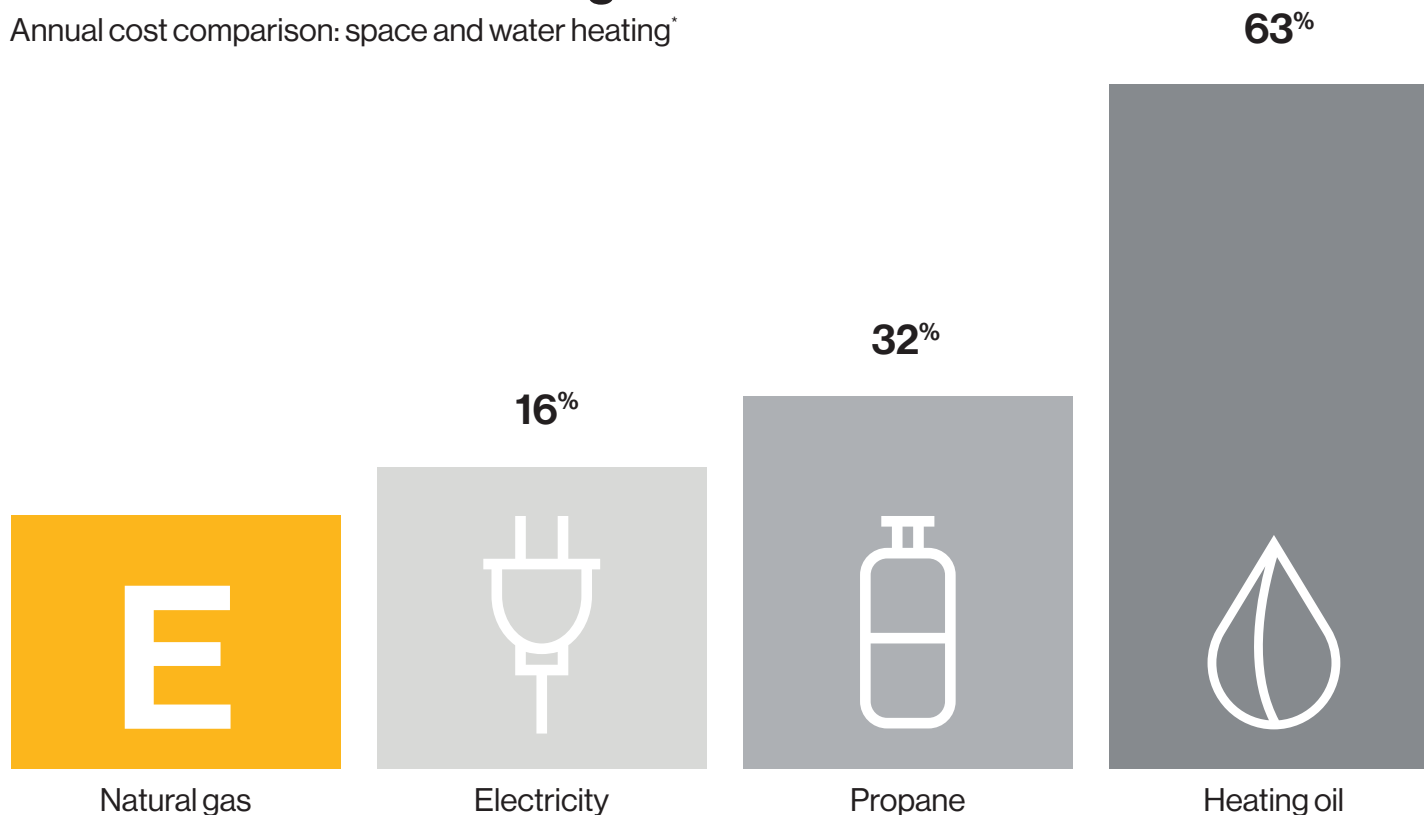
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



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Bring home all the benefits



More affordable

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Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



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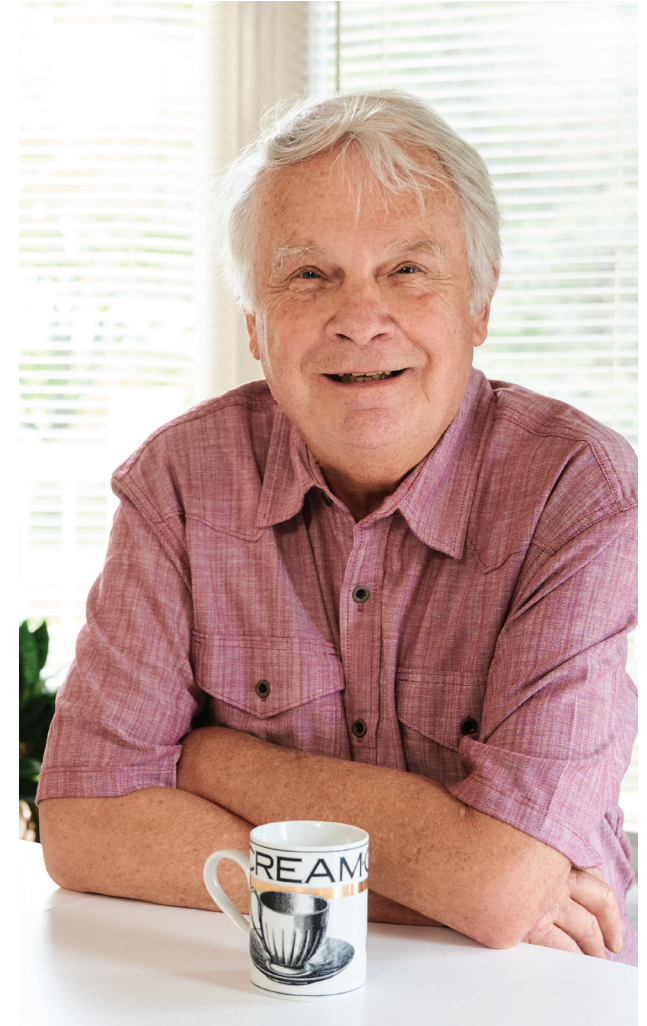
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**– Phil Dewsnap,
Homeowner,
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Phone number

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Existing Primary Heat Source

Existing Secondary Heat Source

Signature

Date

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Hidden Valley

Community Expansion
Project

Information session

Friday, Feb. 10 1–7 p.m.

Saturday, Feb. 11 10 a.m. – 3 p.m.

Hidden Valley Resort

1755 Valley Rd, Huntsville



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Are you paying too much for home heating?

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Learn about the benefits of switching to natural gas and how to get connected.

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Drop by to have all **your questions answered** and let us know if you're interested in connecting to natural gas.

Talk about potential savings on your home energy bills.

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Choose to pay less for energy

Save up to 63% each year
by switching to natural gas

What's inside:



See how
much you
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5-step
guide to get
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Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know about connecting your home or business and all the benefits of affordable, reliable natural gas.

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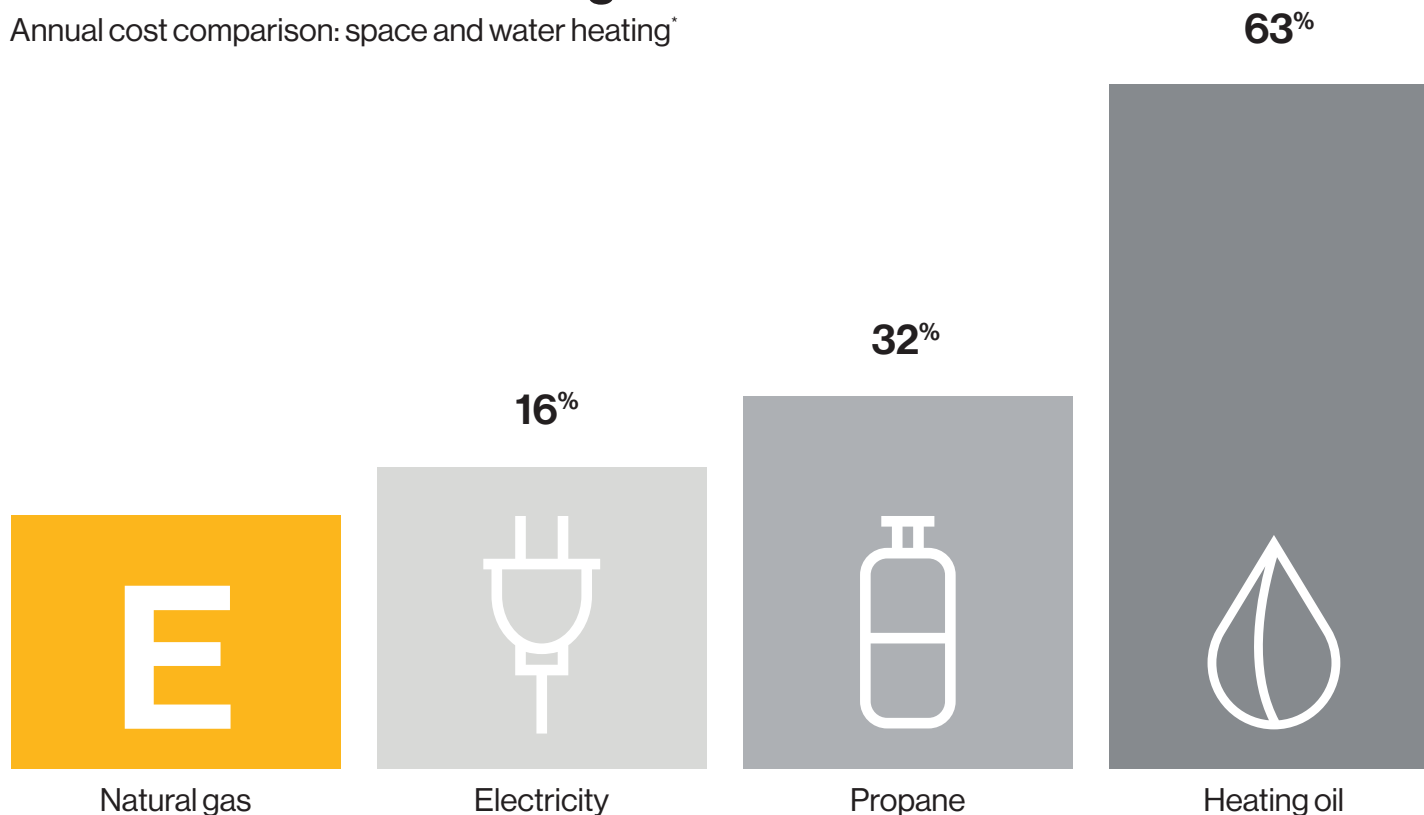
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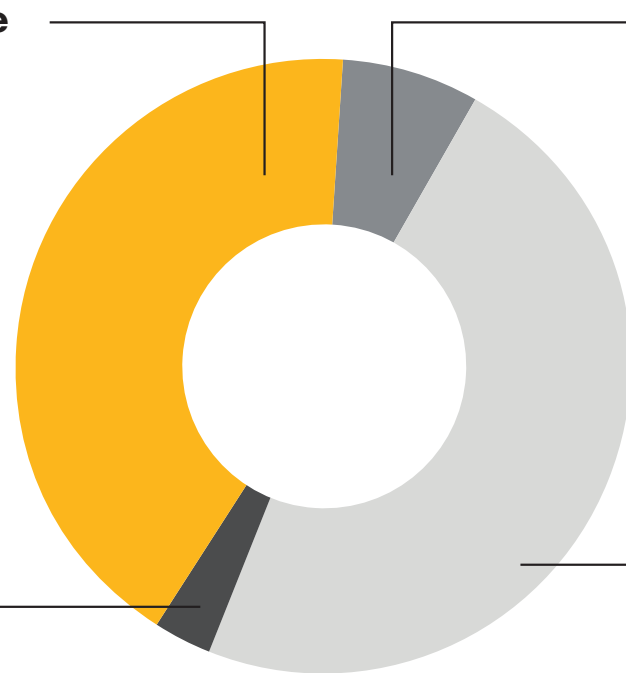
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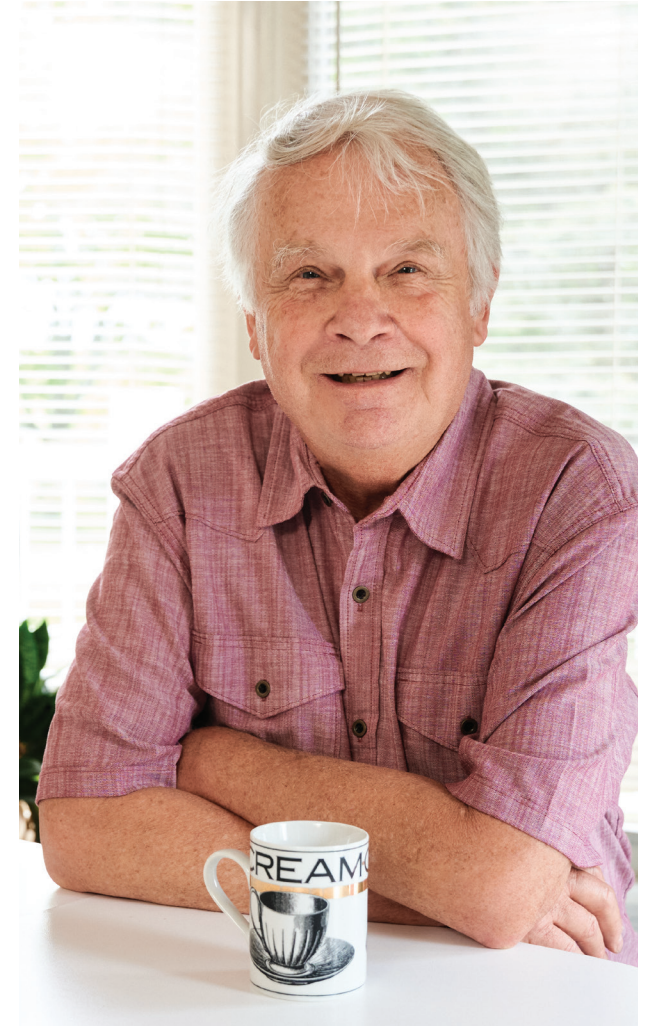
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Bobcaygeon
Information Session Advertisement
Kiawartha This Week
November 2022

Ready to cut your energy bills in half?

**Bobcaygeon Community
Expansion Information Session**

Thursday, Dec. 1
5 p.m. – 8 p.m.

Learn about the benefits of switching to natural gas and how to get connected.

Stop by our Information Session at:

Royal Canadian Legion Branch 239
96 King St. E, Bobcaygeon

Representatives will be available to answer all your questions:

Drop by to have all **your questions answered** and let us know if you're interested in connecting to natural gas.

Talk about potential savings on your home energy bills.

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Bobcaygeon
Attachment Package
November 2022 – January 2023

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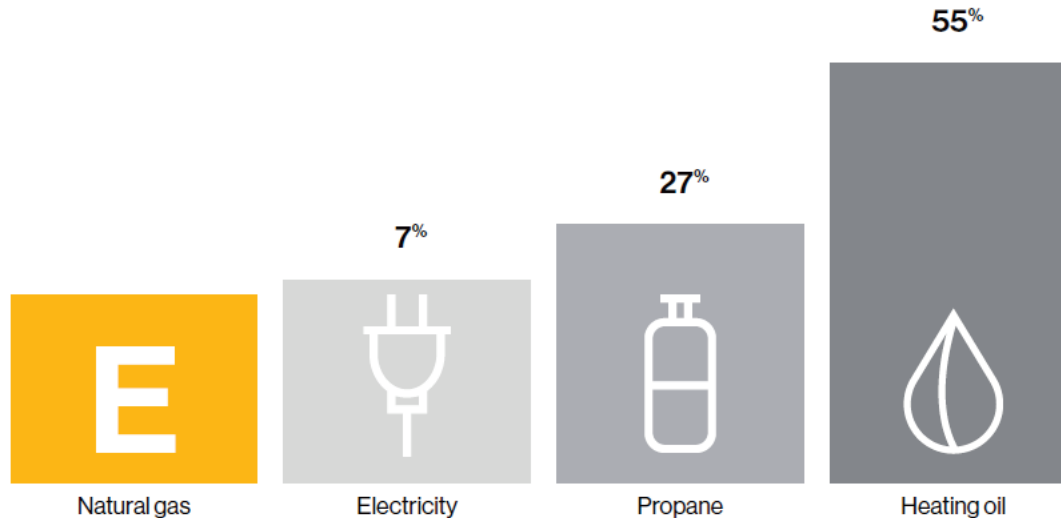
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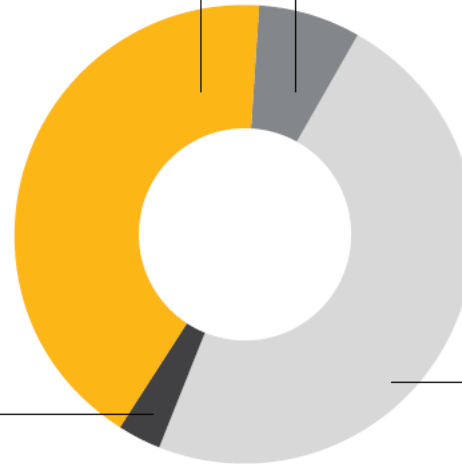
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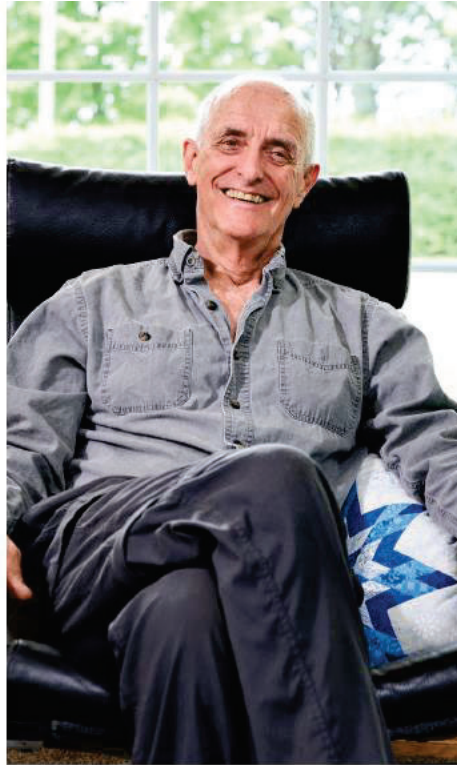
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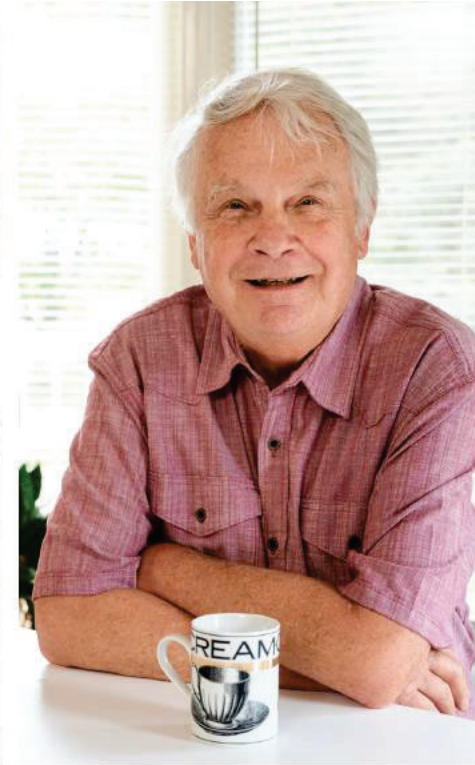
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Digital/Social Media Ads
December 2022 – January 2023

 **Enbridge Gas**
Sponsored

Tired of high energy costs? Choose natural gas for lower energy bills and cleaner heating than propane, oil or wood. [116]



Save with natural gas

ENBRIDGEGAS.COM

Switching can save you up to 55% [32] [Learn More](#)

Let us know you're interested [29]

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Bobcaygeon—get ready to save up to 55 percent on energy bills when you switch to reliable, convenient natural gas. [114]



Bobcaygeon

Natural gas is coming soon

ENBRIDGEGAS.COM

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Cut costs and carbon [20]



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Bobcaygeon—enjoy home comfort for less. Get lower energy bills and more peace of mind when you switch to natural gas. [117]



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Inflation hitting your budget? [30]

Now you can hit back [20]

[Learn More](#)



A natural choice

Switch to natural gas and save up to 55% [40]

Cut costs and carbon [20]

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Natural gas—coming soon!

Coming soon to Bobcaygeon! [26]

Let us know you're interested [29]

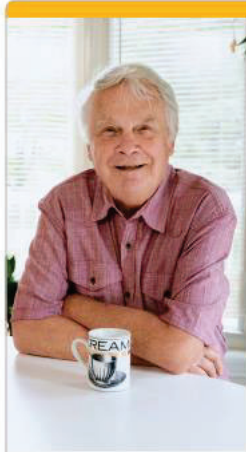
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Have you heard? Natural gas is coming to Bobcaygeon! Find out why Ontarians choose Enbridge Gas. [96]

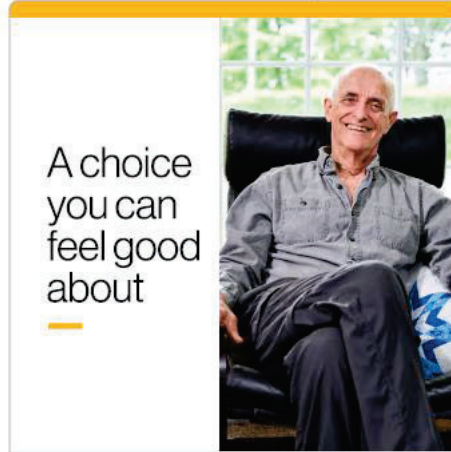


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A choice
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Switch.
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Smile.

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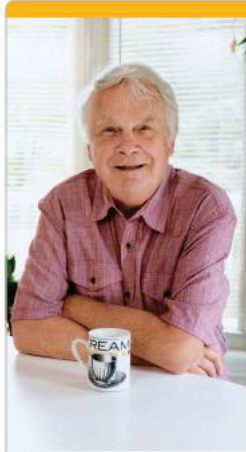
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**Cleaner than propane, oil
or wood [22]**

Let us know you're interested [29]

[Learn more](#)




Switch.
Save.
Smile.


**Worry-free comfort and
convenience [34]**

Let us know you're interested [29]

[Learn more](#)

 **Enbridge Gas**
Sponsored

See why Bobcaygeon welcomes natural gas. It's more affordable, reliable and cleaner than propane, oil or wood. [110]




John Powell
Scugog


ENBRIDGEGAS.COM

Hear from others who've made the switch [40] [Learn more](#)

Let us know you're interested [29]

 **Enbridge Gas**
Sponsored

Still heating with oil or propane? Switch to natural gas and save up to 55% on your energy costs. [97]



Phil Dewsnap
Fenelon Falls

ENBRIDGEGAS.COM

Hear why your neighbours made the switch [40] [Learn more](#)

Let us know you're interested [29]

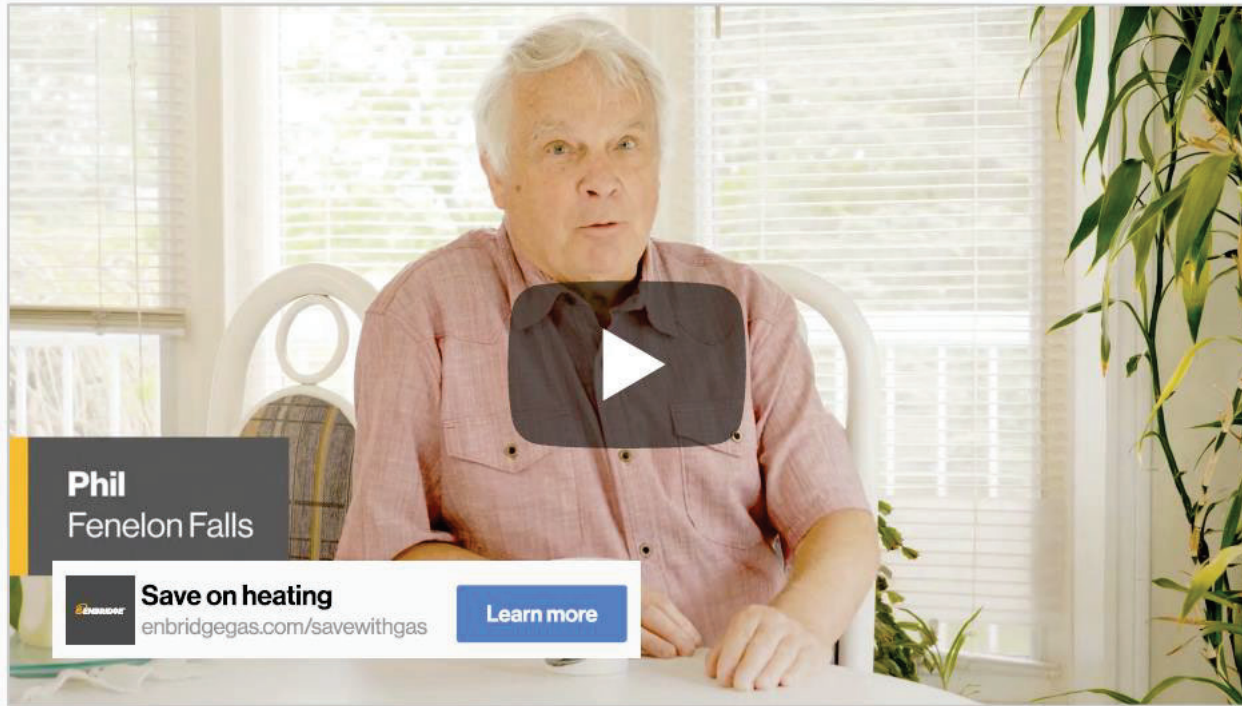
Short headline text – 5 variants (40 characters max)	Long headline text (90 characters max)	Description (90 characters max)
Save big with natural gas (25)	See why Ontarians welcome natural gas. It's affordable, reliable and cleaner. (77)	Save on energy bills with a cleaner and more convenient choice than oil, propane or wood. (86)
Affordable energy can be yours (30)	Switch to natural gas to save up to 55 percent on energy bills and cut emissions too! (85)	Visit enbridgegas.com/savewithgas to let us know you're interested. (67)
Why choose natural gas? (23)	See why natural gas is Ontario's preferred choice and good news for Bobcaygeon. (79)	Enjoy peace of mind and savings up to 55 percent when you switch—it's easy! (75)
Tired of high energy costs? (28)	Home comfort doesn't need to be costly anymore—reliable natural gas is on the way! (84)	Never run out of fuel or have to wait for deliveries again. (58)
Save on energy and emissions (28)	Good news for Bobcaygeon—affordable, reliable, cleaner energy is coming soon! (77)	Reduce your energy bills by up to 55% with a cleaner choice than oil, propane or wood. (86)



Long Headline Text:

Bobcaygeon: Are you paying too much for home heating? (53/90)

Description Text: Let us know you're interested in switching to affordable natural gas (68/70)



Long Headline Text:

Bobcaygeon: You can switch to natural gas and save up to 55 percent each year! (78/90)

Description Text: Let us know you're interested in affordable, reliable natural gas. (66/70)

Kiosk Flyer

January 2023

Are you paying too much for home heating?

Come visit us to see how
much you can save!

Saturday, Jan. 21
9:30 a.m. – 6:00 p.m.

**Learn about the benefits of switching to
natural gas and how to get connected.**

Stop by our Information Session at:

Royal Canadian Legion Branch 239
96 King St E, Bobcaygeon

Drop by to have all **your questions answered**
and let us know if you're interested in connecting
to natural gas.

Talk about potential savings
on your home energy bills.

Connect with us at: ceapplications@enbridge.com



Community Expansion Construction Trailer Wrap

March 2023 – Present

Bobcaygeon Community Expansion Project



In partnership with NPLC

For more information: ceapplications@enbridge.com



Ready to cut your energy bills in half?

Bobcaygeon Community Expansion Information Session

Thursday, Dec. 1
5 p.m. – 8 p.m.

Learn about the benefits of switching to natural gas and how to get connected.

Stop by our Information Session at:
Royal Canadian Legion Branch 239
96 King St. E, Bobcaygeon

Representatives will be available to answer all your questions:

Drop by to have all **your questions answered** and let us know if you're interested in connecting to natural gas.

Talk about potential savings on your home energy bills.

Connect with us at: ceapplications@enbridge.com



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FILE NAME:	ENB1275-CE-BobcaygeonKosk-KawarthaThisWeek-10_375x10_5_CR02		
JOB NO. / CLIENT / PROGRAM	ENB 1275 / ENB /	DATE	PUBLICATION (VENDOR) / INSERT DATE
		November 21, 2022	Kawartha This Week
COLOR	TRIM	SAFETY	MARGIN
	10_375x10_5	-	9.625 X 9.75
SCALE: 11	P.M.: MA		BLEED
			No bleed
		DESIGNER: CR	FOLD
			N/A
			PRODUCTION: CR

Choose to pay less for energy

—
Save up to **55%** each year
by switching to natural gas



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know about connecting your home or business and all the benefits of affordable, reliable natural gas.

Save up to 55 percent* each year

Compared to electricity, propane or oil, switching to natural gas could save you on home and water heating costs year round. It's more convenient: you'll never run out of fuel or wait for trucks to arrive.

Lower carbon emissions

Natural gas is cleaner than other fuels and can help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

See how much you can save

Use our online calculator to see how much you can save by switching to natural gas. Enter your home's size, age and a few more details to get a personalized estimate of annual savings.

Calculate your savings by visiting enbridgegas.com/savewithgas and finding your community page to use the calculator.

Ahmed Al-Amry

Ahmed Al-Amry
Supervisor, Community Expansion
Enbridge Gas



Get in touch any time

For construction updates or questions about the steps to connect to natural gas, personalized cost savings and more, contact one of our Community Expansion Advisors.

Community Expansion Contacts:

Phone: 1-833-356-2689

Email: ceapplications@enbridge.com

* Natural gas prices are based on Rate 1 rates in effect as of **Oct. 1, 2022** and include the \$0.23 per m³ expansion surcharge. Oil price is based on the latest available retail price. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of **Jan. 1, 2022** and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Please use the savings calculator found on this page for a more accurate savings estimate. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. Carbon price is included for all energy types as reported. HST is not included.

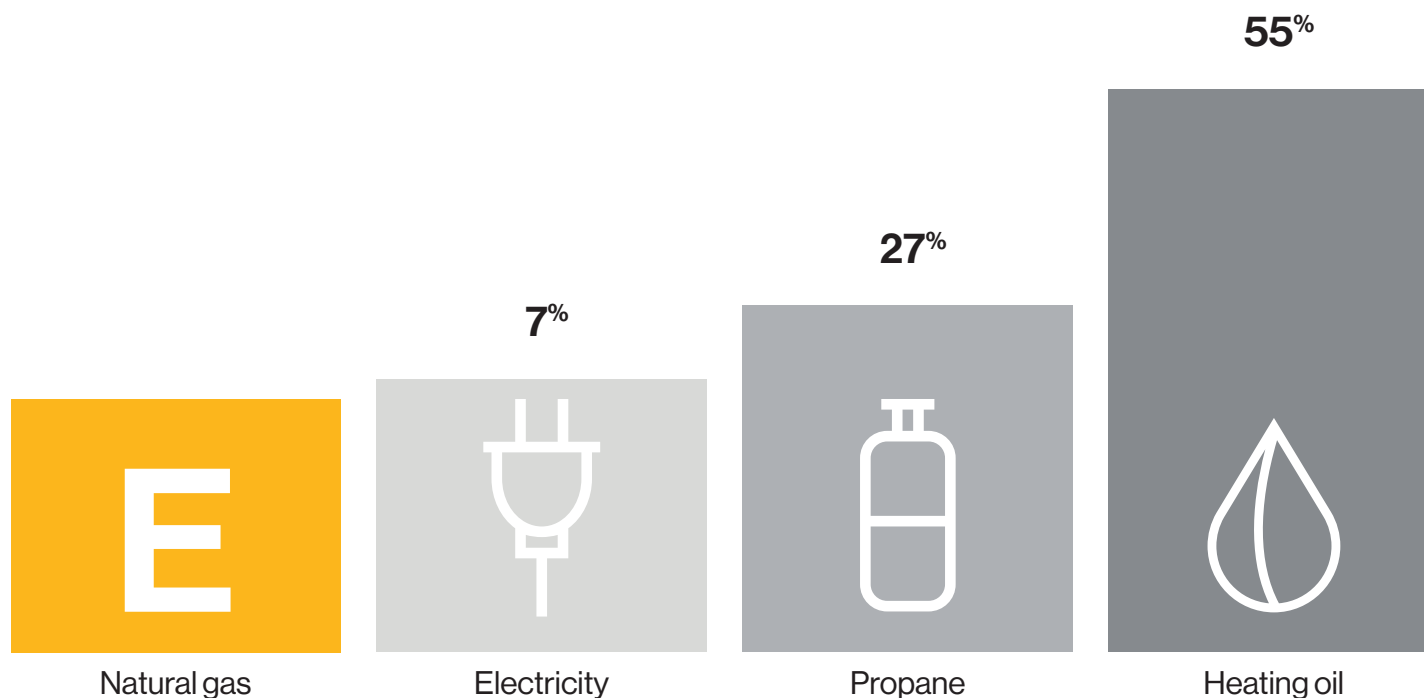
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



* Natural gas prices are based on Rate 1 rates in effect as of Oct. 1, 2022 and include the \$0.23 per m³ expansion surcharge. Oil price is based on the latest available retail price. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of Jan. 1, 2022 and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Please use the savings calculator found on this page for a more accurate savings estimate. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. Carbon price is included for all energy types as reported. HST is not included.

Bring home all the benefits



More affordable

Compared to other fuels and electricity, natural gas is the most cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



Lower carbon emissions

Natural gas can help reduce your home's carbon footprint.

Billing and charges

Where does your money go?



Here's a helpful explanation of a few key items on your natural gas bill

Expansion Surcharge

The fairest way to cover the infrastructure costs of expanding natural gas service.

Cost Adjustment

Natural gas rates vary by season—you pay what we pay.



Customer Charge

This is a fixed \$22.12* amount that pays for 24/7 emergency response and other services.

* Subject to change. Please note that all charges, except the fixed customer charge, vary based on how much natural gas you use.

Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions



Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Go to enbridgegas.com/savewithgas to get an estimate of your potential fuel savings.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

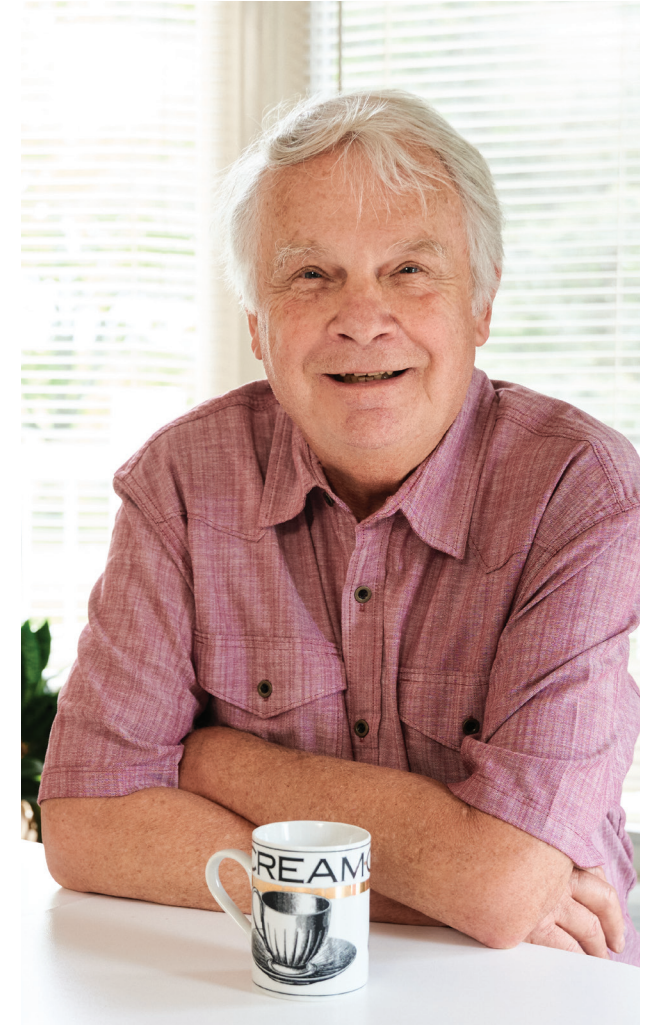
“We’ve saved all kinds of money by converting to natural gas, especially over the cost of hydro these days. It just made sense.”

**– Phil Dewsnap,
Homeowner,
Fenelon Falls**



“I live in a rural region. That means I have my own septic, my own water, and if things don’t work, I’m in real trouble. Natural gas has helped me be more independent and I saved a really good buck.”

– John Powell, Homeowner, Scugog Island



“The advice I would give others is to convert to natural gas. We’ve seen a lot of energy savings, the conversion was simple and you get some extra money in your pocket, so it’s worth doing.”

– Phil Dewsnap, Homeowner, Fenelon Falls

Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

Name (please print)

Address

Phone number

Email address

Existing Primary Heat Source

Existing Secondary Heat Source

Signature

Date

Completing this Expression of Interest Card is not an application for natural gas, or a binding contract by either you or Enbridge Gas for natural gas service. The Expression of Interest Card is intended to help us understand community interest in converting to natural gas if it were to become available. Pending regulatory approvals, we anticipate that we will begin to accept natural gas applications for this expansion project in summer 2023.

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



Questions? We're here for you.

Contact a Community
Expansion Advisor:
1-833-356-2689
ceapplications@enbridge.com

ENBRIDGE GAS

CE Bobcaygeon

November 29, 2022



C O N T E X T

CE BOBCAYGEON

Concept 1: From pains to gains

We know that customers often make buying decisions based on emotions. In this concept, we focus on negative emotions (pain points) to hook interest initially, supported by the benefits of switching to natural gas.



C O N T E X T

Concept 1a — Social (Static)

 **Enbridge Gas**
Sponsored

Tired of high energy costs? Choose natural gas for lower energy bills and cleaner heating than propane, oil or wood. [116]



Save with natural gas

ENBRIDGEGAS.COM

Switching can save you up to 55% [32] [Learn More](#)

Let us know you're interested [29]



Concept 1a — Social (Carousel)



Enbridge Gas

Sponsored

Bobcaygeon—enjoy home comfort for less. Get lower energy bills and more peace of mind when you switch to natural gas. [117]



Save with natural gas

Inflation hitting your budget? [30]

Now you can hit back [20]

[Learn More](#)



A natural choice

Switch to natural gas and save up to 55% [40]

Cut costs and carbon [20]

[Learn More](#)



Natural gas — coming soon!


Coming soon to Bobcaygeon! [26]

Let us know you're interested [29]


[Learn More](#)



Social—Video

 **Enbridge Gas**
Sponsored

See why Bobcaygeon welcomes natural gas. It's more affordable, reliable and cleaner than propane, oil or wood. [110]



John Powell
Scugog

ENBRIDGEGAS.COM

Hear from others who've made the switch [40] [Learn more](#)

Let us know you're interested [29]



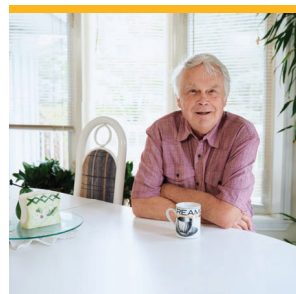
Concept 1 — Google Discovery Image Options

Option 1

Option 2

Option 3

Option 4



Google Discovery Copy

Short headline text – 5 variants (40 characters max)	Long headline text (90 characters max)	Description (90 characters max)	CTA:	Business name:	Destination URL:
Save big with natural gas (25)	See why Ontarians welcome natural gas. It's affordable, reliable and cleaner. (77)	Save on energy bills with a cleaner and more convenient choice than oil, propane or wood. (86)	Learn more	Enbridge Gas	enbridgegas.com/savewithgas
Affordable energy can be yours (30)	Switch to natural gas to save up to 55 percent on energy bills and cut emissions too! (85)	Visit enbridgegas.com/savewithgas to let us know you're interested. (67)			
Why choose natural gas? (23)	See why natural gas is Ontario's preferred choice and good news for Bobcaygeon. (79)	Enjoy peace of mind and savings up to 55 percent when you switch—it's easy! (75)			
Tired of high energy costs? (28)	Home comfort doesn't need to be costly anymore—reliable natural gas is on the way! (84)	Never run out of fuel or have to wait for deliveries again. (58)			
Save on energy and emissions (28)	Good news for Bobcaygeon—affordable, reliable, cleaner energy is coming soon! (77)	Reduce your energy bills by up to 55% with a cleaner choice than oil, propane or wood. (86)			



CE BOBCAYGEON

Concept 2: Welcome home neighbour

With a focus on optimism, warm welcomes and community connections this concept creates positive emotions. Cost savings and convenience close the deal.



C O N T E X T

Concept 2 — Social (Static)

 **Enbridge Gas**
Sponsored

Bobcaygeon—get ready to save up to 55 percent on energy bills when you switch to reliable, convenient natural gas. [114]



Bobcaygeon

Natural gas is coming soon

ENBRIDGEGAS.COM

Let us know you're interested [29] [Learn more](#)

Cut costs and carbon [20]



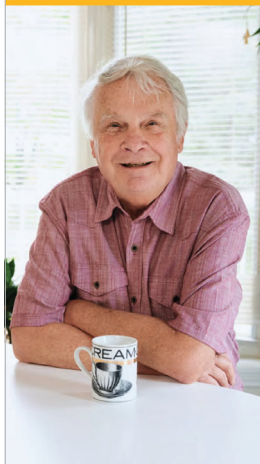
Concept 2 — Social (Carousel)



Enbridge Gas

Sponsored

Have you heard? Natural gas is coming to Bobcaygeon! Find out why Ontarians choose Enbridge Gas. [96]



Save up to 55% on energy

Cheaper than propane, oil or wood [33]

Let us know you're interested [29]

[Learn more](#)



A choice you can feel good about

Cleaner than propane, oil or wood [22]

Let us know you're interested [29]

[Learn more](#)



Switch. Save. Smile.


Worry-free comfort and convenience [34]

Let us know you're interested [29]


[Learn more](#)



Social (Video)

 **Enbridge Gas**
Sponsored

Still heating with oil or propane? Switch to natural gas and save up to 55% on your energy costs. [97]



Phil Dewsnap
Fenelon Falls

ENBRIDGEGAS.COM

Hear why your neighbours made the switch [40] [Learn more](#)

Let us know you're interested [29]



Concept 2 — Google Discovery Image Options

Option 1

Option 2



CE BOBCAYGEON

YouTube Companion Ads - Concept 1



C O N T E X T

YouTube Companion Ads (300 X 60)

Option 1A



Save up to 55%
Affordable natural gas

Save on heating
enbridgegas.com/savewithgas [Learn more](#)

Up next AUTOPLAY

Long Headline Text:

Bobcaygeon: Are you paying too much for home heating? (53/90)

Description Text: Let us know you're interested in switching to affordable natural gas (68/70)

Call-to-Action Text: Learn more (10/10)

Headline Text: Save on heating (15/15)

Display URL: enbridgegas.com/savewithgas

CE BOBCAYGEON

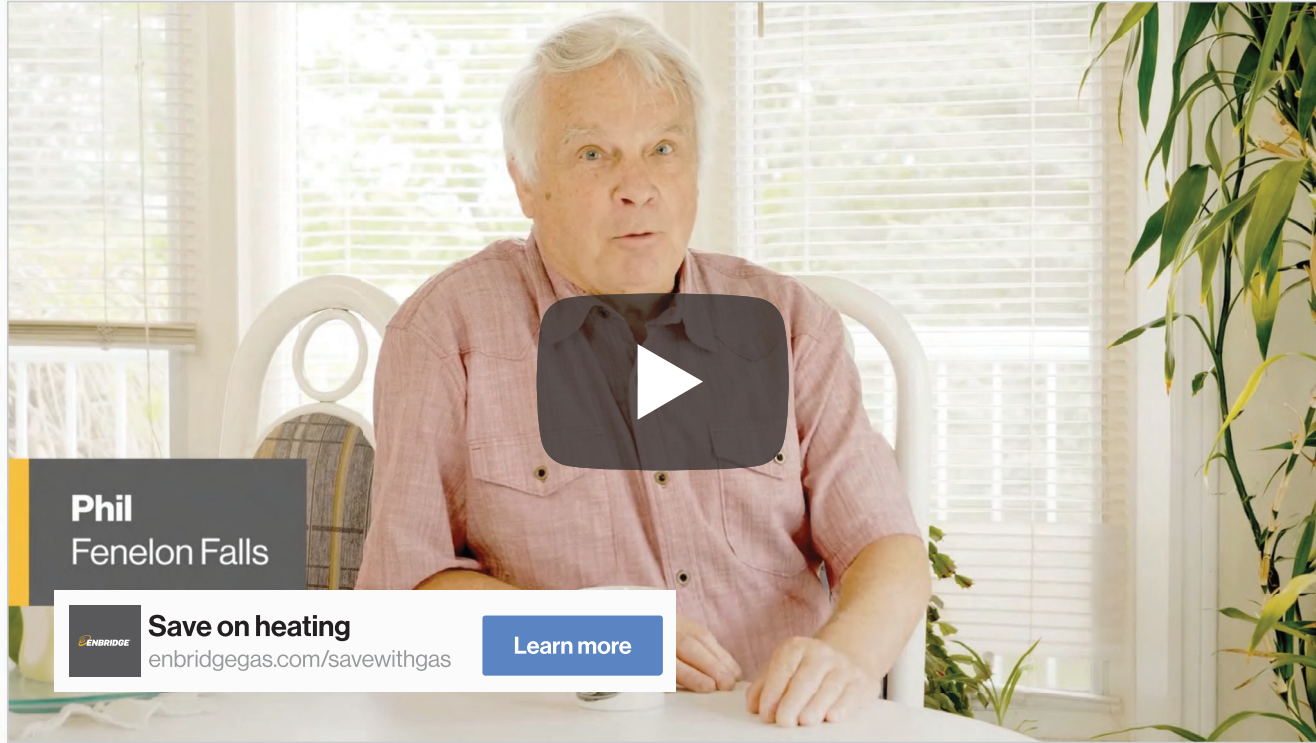
YouTube Companion Ads - Concept 2



C O N T E X T

YouTube Video Action Ads + Companion Ads

Option 2A



How much could you save?
Switch to natural gas

Save on heating
AD enbridgegas.com/savewithgas [Learn more](#)

Up next AUTOPLAY

Long Headline Text:

Bobcaygeon: You can switch to natural gas and save up to 55 percent each year! (78/90)

Description Text: Let us know you're interested in affordable, reliable natural gas. (66/70)

Call-to-Action Text: Learn more (10/10)

Headline Text: Save on heating (15/15)

Display URL: enbridgegas.com/savewithgas

CE BOBCAYGEON

YouTube Companion Ads - Concept 3



C O N T E X T

YouTube Video Action Ads + Companion Ads

Option 3A



**MISSISSAUGA
OF SCUGOG ISLAND
FIRST NATION**

**We're happy to
bring natural gas
to communities**

ENBRIDGE

Save on heating
enbridgegas.com/savewithgas **Learn more**

**How much could you save?
Switch to natural gas** **ENBRIDGE**

Save on heating
AD enbridgegas.com/savewithgas **Learn more**

Up next AUTOPLAY

Long Headline Text:
Natural gas is reliable, convenient and much more affordable than other energy options. (87/90)

Description Text:
Bobcaygeon: Let us know you're interested. (42/70)

Call-to-Action Text: Learn more (10/10)
Headline Text: Save on heating (15/15)

Display URL: enbridgegas.com/savewithgas

Ready to cut your energy bills in half?

Bobcaygeon Community Expansion Information Session

Thursday, Dec. 1
5 p.m. – 8 p.m.

Learn about the benefits of switching to natural gas and how to get connected.

Stop by our Information Session at:

Royal Canadian Legion Branch 239
96 King St E, Bobcaygeon

Representatives will be available to answer all your questions:

Drop by to have all **your questions answered** and let us know if you're interested in connecting to natural gas.

Talk about potential savings on your home energy bills.

Connect with us at: **ceapplications@enbridge.com**



Bobcaygeon Community Expansion Project

—
In partnership with NPLC

For more information: ceapplications@enbridge.com



Facebook Ad for Sandford Community Expansion
Project Active from March 20 – April 2, 2023



Enbridge Gas

Sponsored ·



Join us from March 20 - April 2, 2023, for our virtual information session where you can learn more about the Sandford Community Expansion project. You will be able to provide feedback and comments on the project, supporting the overall design and execution.



enbridgegas.com

Virtual Info Session

Welcome to Enbridge Ga...

[Learn more](#)

Choose to pay less for energy

—
Save up to 65% each year
by switching to natural gas



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know and the benefits of affordable, reliable natural gas.

Save up to 65 percent* each year

Compared to alternative heating sources like electric baseboard, propane or oil, switching to natural gas could save you on home and water heating costs year round.

Lower carbon emissions

Natural gas is cleaner than other fuels, such as propane and oil, and can help reduce your home's carbon footprint.

See how much you can save

Calculate your savings by visiting enbridgegas.com/savewithgas and finding your community page to use the calculator.

Ahmed Al-Amry

Ahmed Al-Amry
Supervisor, Community Expansion
Enbridge Gas

Get in touch any time

There are many alternatives to serve your energy needs. To learn more about alternative technologies, such as heat pumps, visit Natural Resources Canada at <https://tinyurl.com/y3k2nh8b>. If you have questions, please contact one of our Community Expansion Advisors.

Community Expansion Contacts:

Phone: 1-833-356-2689
Email: ceapplications@enbridge.com



* Natural gas prices are based on Rate 1 rates in effect as of April 1, 2023 and include the \$0.23 per m3 expansion surcharge. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of Jan. 1, 2023 and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). Electric cold climate air source heat pumps are available but not included in the savings calculations. The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Oil price is based on the latest available retail price. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. The Federal carbon charge is included for all energy types based on the April 1, 2023 rate. The Federal carbon charge is projected to increase annually from 2024 to 2030.

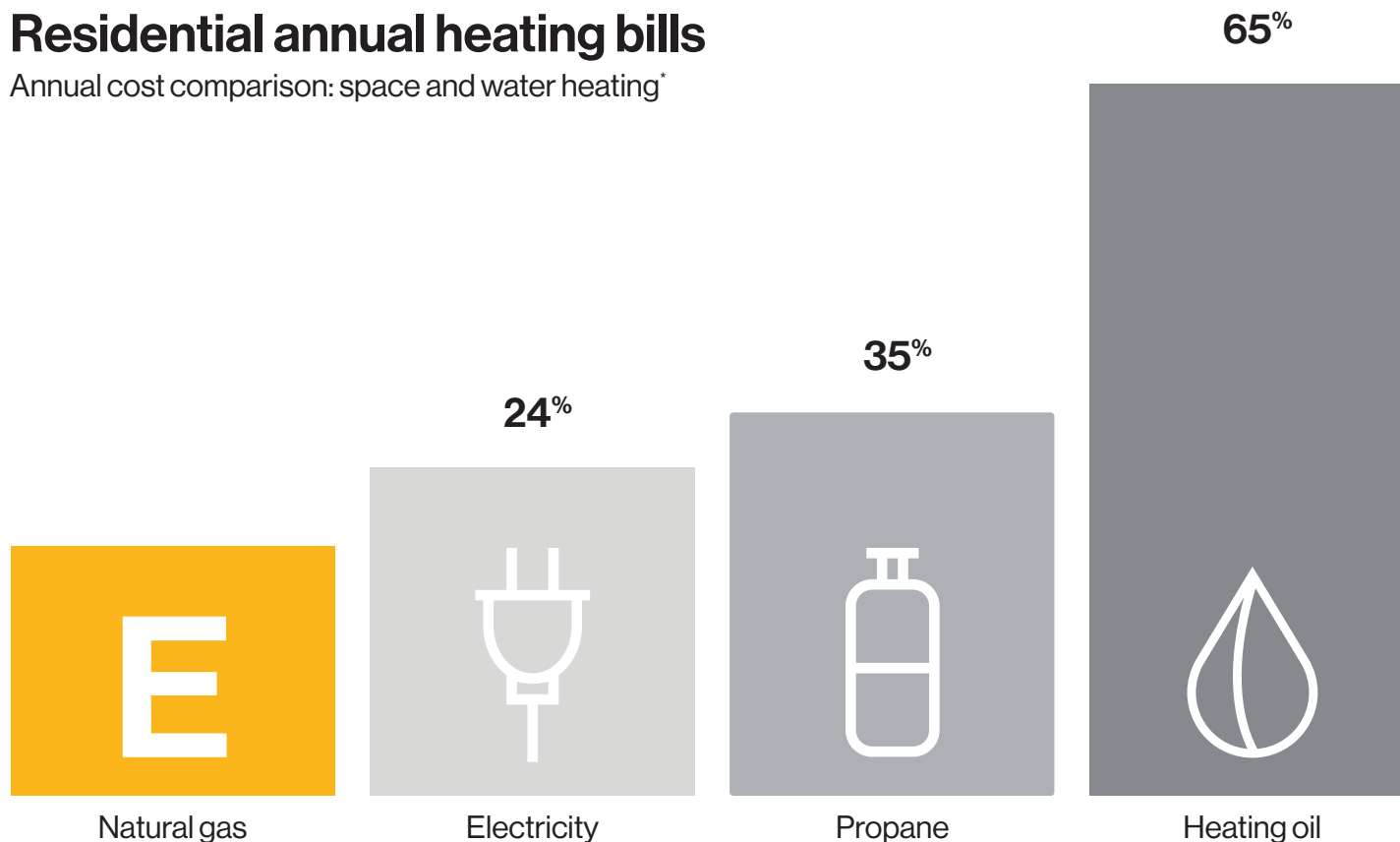
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



* Natural gas prices are based on Rate 1 rates in effect as of April 1, 2023 and include the \$0.23 per m3 expansion surcharge. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of Jan. 1, 2023 and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). Electric cold climate air source heat pumps are available but not included in the savings calculations. The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Oil price is based on the latest available retail price. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. The Federal carbon charge is included for all energy types based on the April 1, 2023 rate. The Federal carbon charge is projected to increase annually from 2024 to 2030.

Bring home all the benefits



More affordable

Compared to other fuels, natural gas is the most cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



Lower carbon emissions

Natural gas can help reduce your home's carbon footprint.

Billing and charges

Where does your money go?

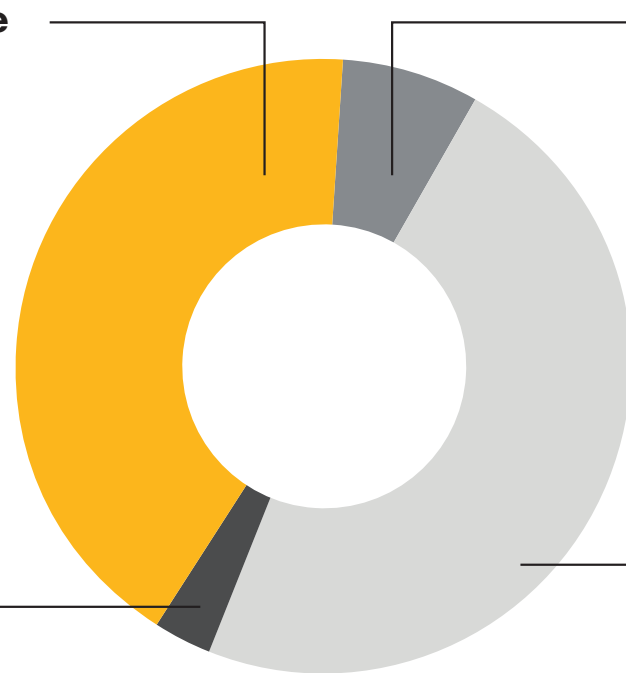
Here's a helpful explanation of a few key items on your natural gas bill

Expansion Surcharge

The fairest way to cover the infrastructure costs of expanding natural gas service.

Cost Adjustment

Natural gas rates vary by season—you pay what we pay.



Customer Charge

This is a fixed \$22.88* amount that pays for 24/7 emergency response and other services.

* Subject to change. Please note that all charges, except the fixed customer charge, vary based on how much natural gas you use.

Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Go to enbridgegas.com/savewithgas to get an estimate of your potential fuel savings.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

Programs and rebates to help you save

Enbridge Gas offers a suite of conservation programs to help you save energy at home. From money-saving rebates to discounts and special offers, we're committed to helping you make your home more energy efficient, comfortable and affordable.

Energy conservation is good for you and your community

Reducing energy use is the simplest, most cost-effective way to keep energy costs affordable for everyone. When you make your home more energy efficient, you also help protect it against the effects of a changing climate and contribute to a cleaner, greener Ontario.



Visit our website at enbridgegas.com/conservation to find the right program for you.



“ I was connected with someone who came to my house and walked through the house with me looking for areas that I could improve on by myself or with professional help. Because of the efforts I've made, it's a lot more comfortable and a lot less cold. ”

– **Erica H.**
Program participant
Ottawa, Ontario

Marketing Tactics By Community	Launch In-Market Date
Connect to Gas website	
Scugog	
Direct Mailer	January, 2024
Direct Mailer	April, 2024
Information Sheet 1	May, 2024
Information Sheet 2	May, 2024
Testimonial Sheet	May, 2024
Doorhangers	May, 2024
Fenelon Falls	
Billboard	June, 2023
Direct Mailer	January, 2024
Direct Mailer	April, 2024
Information Sheet 1	April, 2024
Information Sheet 2	April, 2024
Testimonial Sheet	April, 2024
Doorhangers	April, 2024
Municipal Facebook Ad	May, 2024
Municipal Town Crier Ad	May, 2024
Prince Township	
Billboard	March, 2024
Direct Mailer	April, 2024
Information Sheet 1	May, 2024
Information Sheet 2	May, 2024
Testimonial Sheet	May, 2024
Doorhangers	May, 2024
Municipal Facebook Ad	March, 2024
Saugeen	
Direct Mailer	April, 2024
Information Sheet 1	April, 2024
Information Sheet 2	April, 2024
Testimonial Sheet	April, 2024
Doorhangers	April, 2024
Municipal Facebook Ad	May, 2024
Kettle and Stony Point	
Direct Mailer	April, 2024
Lambton Shores	
Direct Mailer	April, 2024
Information Sheet 1	June, 2024
Information Sheet 2	June, 2024

Testimonial Sheet	June, 2024
Doorhangers	June, 2024
Wartburg	
Direct Mailer	April, 2024
Rostock	
Direct Mailer	April, 2024
Milverton	
Direct Mailer	April, 2024
Burks Falls	
Direct Mailer	April, 2024
Sandford	
Digital Campaign	March, May, 2024
Q1 Attachment Package	February, 2024
Q2 Attachment Package	April, June, 2024
Q3 Attachment Package	August, 2024
Neustadt	
Digital Campaign	March, May, 2024
Q1 Attachment Package	February, March, 2024
Q2 Attachment Package	April, May, June, 2024
Newspaper Ad	August, 2024
East Gwillimbury	
Q2 Attachment Package	April, June, 2024
Bobcaygeon	
Q2 Attachment Package	May, June, 2024
Eganville	
Q3 Attachment Package	July, 2024
Red Rock	
Q3 Pre-Market Research Attachment Package	July, 2024

Direct Mailer – Distributed in Fenelon Falls and Scugog – January 2024.



Enjoy peace of mind with natural gas



During outages, power your home with a standby natural gas generator. Protect your family and home with a reliable backup energy you can count on.

Enjoy uninterrupted comfort with natural gas



“

I live in a rural region. That means I have my own septic, my own water, and if things don't work, I'm in real trouble. Natural gas has helped me be more independent.”

John,
Homeowner



To learn more about the potential savings and benefits of natural gas, contact **Don Armitage**.

705-270-6255 don.armitage@enbridge.com



Direct Mailer – Distributed in Scugog, Fenelon Falls, Prince, Saugeen, Kettle and Stony Point, Lambton Shores, Wartburg, Rostock, Milverton and Burks Falls – April 2024.

Enjoy peace of mind
with natural gas



Ready to choose natural gas?

Contact Don Armitage to learn more.



705-270-6255



don.armitage@enbridge.com



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**Home comfort
without the hassle**

Connect to reliable, convenient natural gas

Ready to choose the convenience that natural gas brings?

Invest in your peace of mind with reliable energy you can count on exactly when you need it. Enbridge Gas delivers the energy that fuels quality of life.

Answers to common questions

Is natural gas safe?

Yes, natural gas is used safely in millions of homes and businesses every day. At Enbridge Gas, the safety of the communities we serve is our top priority. We continually invest in the upkeep and advancement of our infrastructure, so you can feel confident in your energy.

Is it cost effective to switch?

Natural gas is often a more cost-effective choice compared to propane, wood and oil.

What if I don't want a new furnace?

Whether you are planning for a new furnace or just want hot water, we'll provide a service for any natural gas appliance. Many customers have only a fireplace, pool heater or hot water heater.

Why more neighbours are making the switch



Instantly available, without the hassle of fuel delivery.



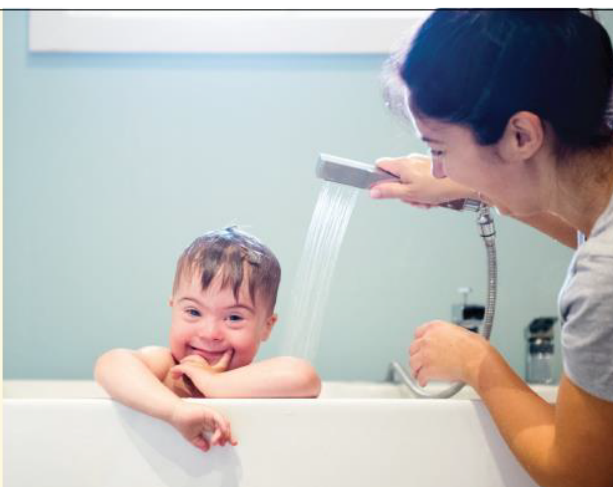
Safe and reliable backup, especially during an outage.



Versatile uses, from endless hot water to home heating and more.

“ I live in a rural region. That means I have my own septic, my own water, and if things don't work, I'm in real trouble. Natural gas has helped me be more independent. ”

John,
Homeowner



Information Sheet #1 – Distributed in Saugeen and Fenelon Falls in April; Prince Township and Scugog in May; Lambton Shores in June 2024.



When it comes to making decisions about your home, it's good to have a choice. Enbridge Gas is making it possible for communities that rely on oil, propane or electric resistance heating to connect to natural gas. Count on instant heat, endless hot water and uninterrupted energy year round—even through Ontario's toughest winters.

Why choose natural gas?



Safe and reliable

Used safely in millions of homes and businesses every day.



Lower carbon emissions

Compared to oil and propane, natural gas can help reduce your home's carbon footprint.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

Connect any natural gas appliance; fireplaces, pool heaters, gas ranges and more.



Update your home and save long-term

Switching from propane or oil could reduce heating and hot water costs year round.



Start enjoying the benefits

Contact Don Armitage for a quick, no-obligation discovery call.



705-750-7203



don.armitage@enbridge.com



Information Sheet #1 – Distributed in Saugeen and Fenelon Falls in April; Prince Township and Scugog in May; Lambton Shores in June 2024.



Ready to start enjoying the convenience of natural gas? Our dedicated team is here to help, every step of the way.

- 1 Get an estimate from a heating contractor**
Hire a local heating contractor for a quote to convert or replace your existing equipment. Costs vary based on the age and type of equipment. Your contractor will provide an estimate and submit the service application.
- 2 Verify your service address and billing information**
Your confirmation email will ask you to validate your service address and billing information. You'll also be asked to acknowledge the expansion surcharge of \$0.23 per cubic metre and any applicable extra length cost*.
- 3 Have your natural gas service installed**
Once Enbridge Gas has installed the service, contact your heating contractor to install and/or convert your appliances to natural gas.
- 4 Activate your service**
Schedule an appointment with Enbridge Gas. A technician certified by the Technical Standards and Safety Act (TSSA) will turn on and inspect your natural gas appliances as required by the TSSA.



Don't want a new furnace?

Whether you are planning for a new furnace or just want hot water, we'll provide service for any natural gas appliance. Many customers have only a fireplace, pool heater or hot water heater.



IMPORTANT!

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.



Start enjoying the benefits

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705-750-7203



don.armitage@enbridge.com



* Enbridge Gas will install one service line per property address at no charge to the new customer, provided that the distance between the owner's property line and the installed meter is 20 metres or less in total length. If the service installation is greater than 20 metres, there will be a charge of \$169 per metre (plus applicable taxes). This will be invoiced on your monthly bill.
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Testimonial Sheet – Distributed in Saugeen and Fenelon Falls in April; Prince Township and Scugog in May; Lambton Shores in June 2024.

Worry-free energy all year

“ We’ve saved all kinds of money by converting to natural gas, especially over the cost of hydro these days. It just made sense.”

– Phil Dewsnap, Homeowner, Fenelon Falls



“I live in a rural region. That means I have my own septic, my own water, and if things don’t work, I’m in real trouble. Natural gas has helped me be more independent and I saved a really good buck.”

– John Powell, Homeowner, Scugog Island



“The advice I would give others is to convert to natural gas. We’ve seen a lot of energy savings, the conversion was simple and you get some extra money in your pocket, so it’s worth doing.”

– Phil Dewsnap, Homeowner, Fenelon Falls



Start enjoying the benefits

Contact Don Armitage for a quick, no-obligation discovery call.



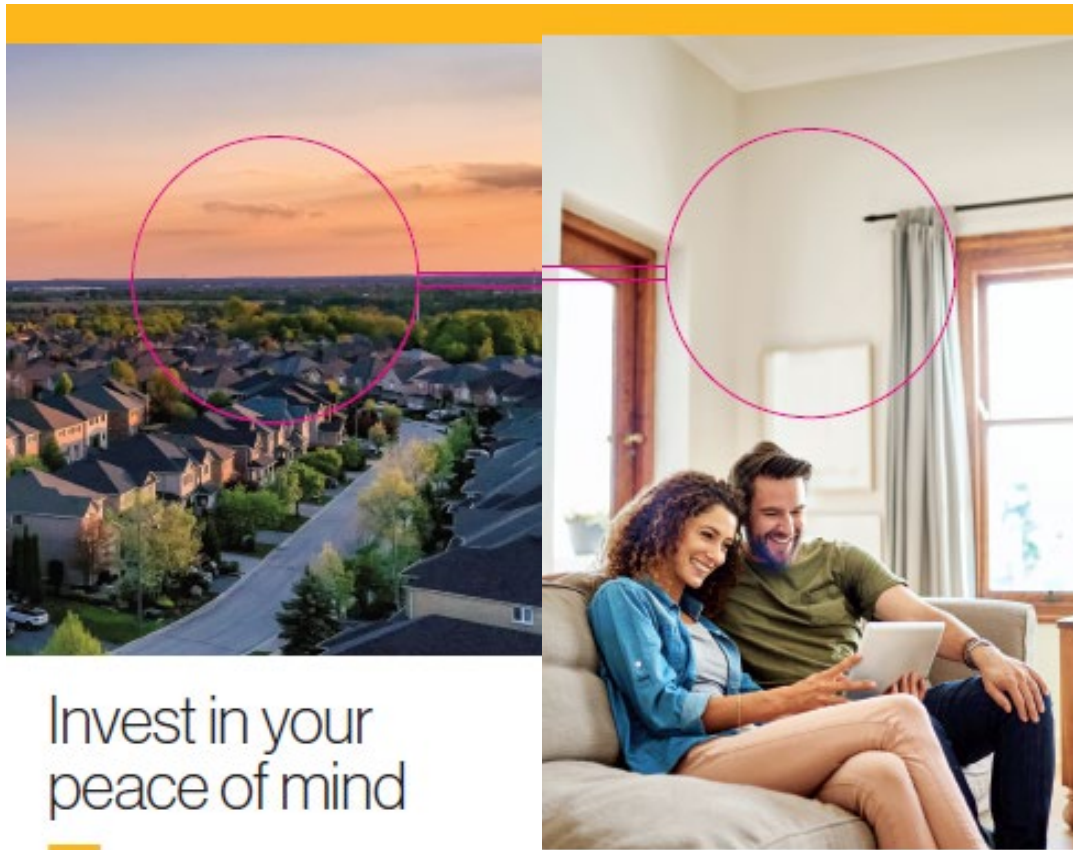
705-750-7203



don.armitage@enbridge.com



Door Hangers – Distributed in Saugeen and Fenelon Falls in April; Prince Township and Scugog in May; Lambton Shores in June 2024.



Invest in your
peace of mind

Why choose natural gas?

-  **Reliable**
Say goodbye to fuel delivery delays.
-  **Convenient**
Enjoy a direct and constant supply of energy.
-  **Comfortable**
Stay warm through every season.
-  **Safe**
Used safely in homes and businesses every day.



Questions?

Contact Don Armitage for a no-obligation call.

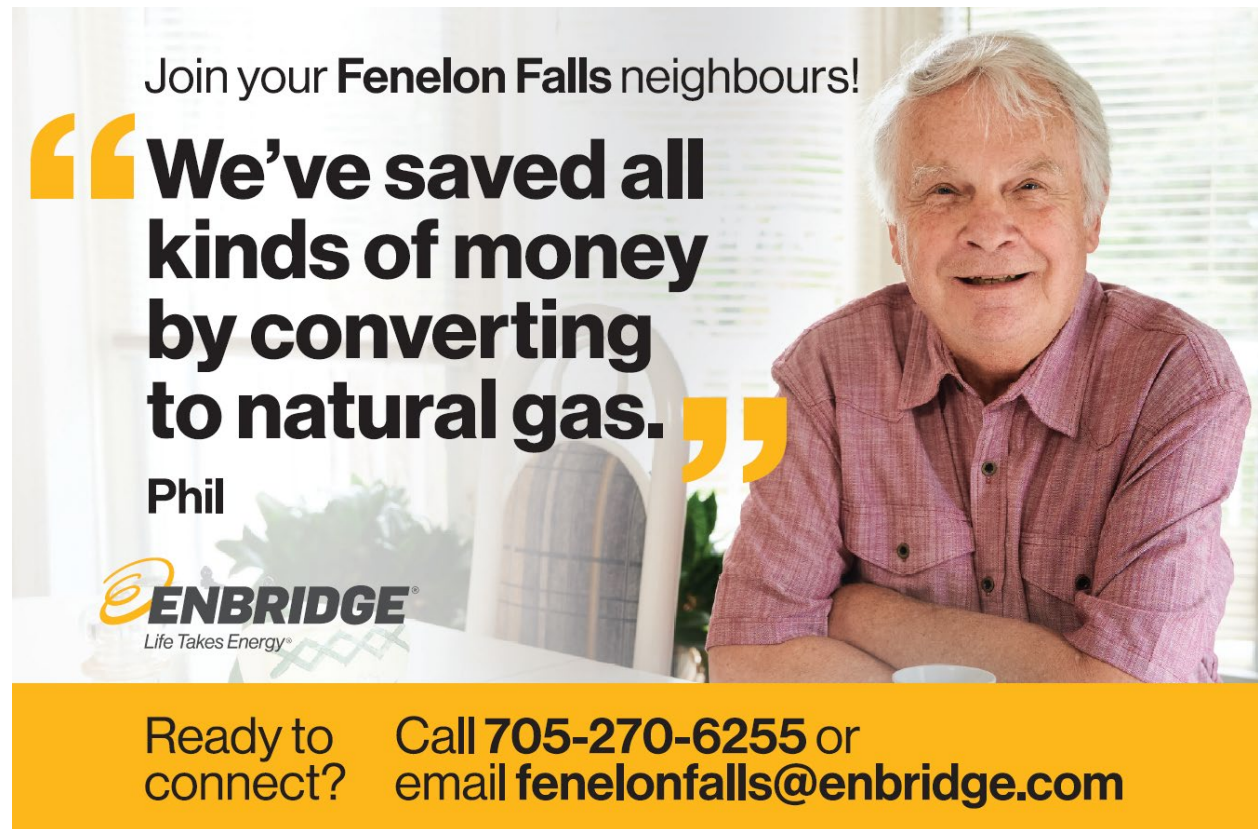


-  705-270-6255
-  don.armitage@enbridge.com

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ENB 2005 03/2024



Fenelon Falls Billboard – June 2023 to present.



Join your **Fenelon Falls** neighbours!

“We’ve saved all kinds of money by converting to natural gas.”

Phil

 **ENBRIDGE**
Life Takes Energy®

Ready to connect? Call **705-270-6255** or email **fenelonfalls@enbridge.com**

Fenelon Falls Municipal Facebook Ad – May 2024.



**Resilient, reliable —
and ready for you**

Connect to natural gas service
in Fenelon Falls

ENBRIDGE

Fenelon Falls Town Crier Ad – May 2024.



**Say yes to
peace of mind**

**Count on natural gas
for year-round comfort**

Explore the benefits



Prince Township Pavilion Ad – March 2024 to present.

Resilient, reliable— and ready for you

Connect to natural
gas service in
Prince Township



enbridgegas.com/PrinceTownship



Prince Township Municipal Facebook Ad – March 2024

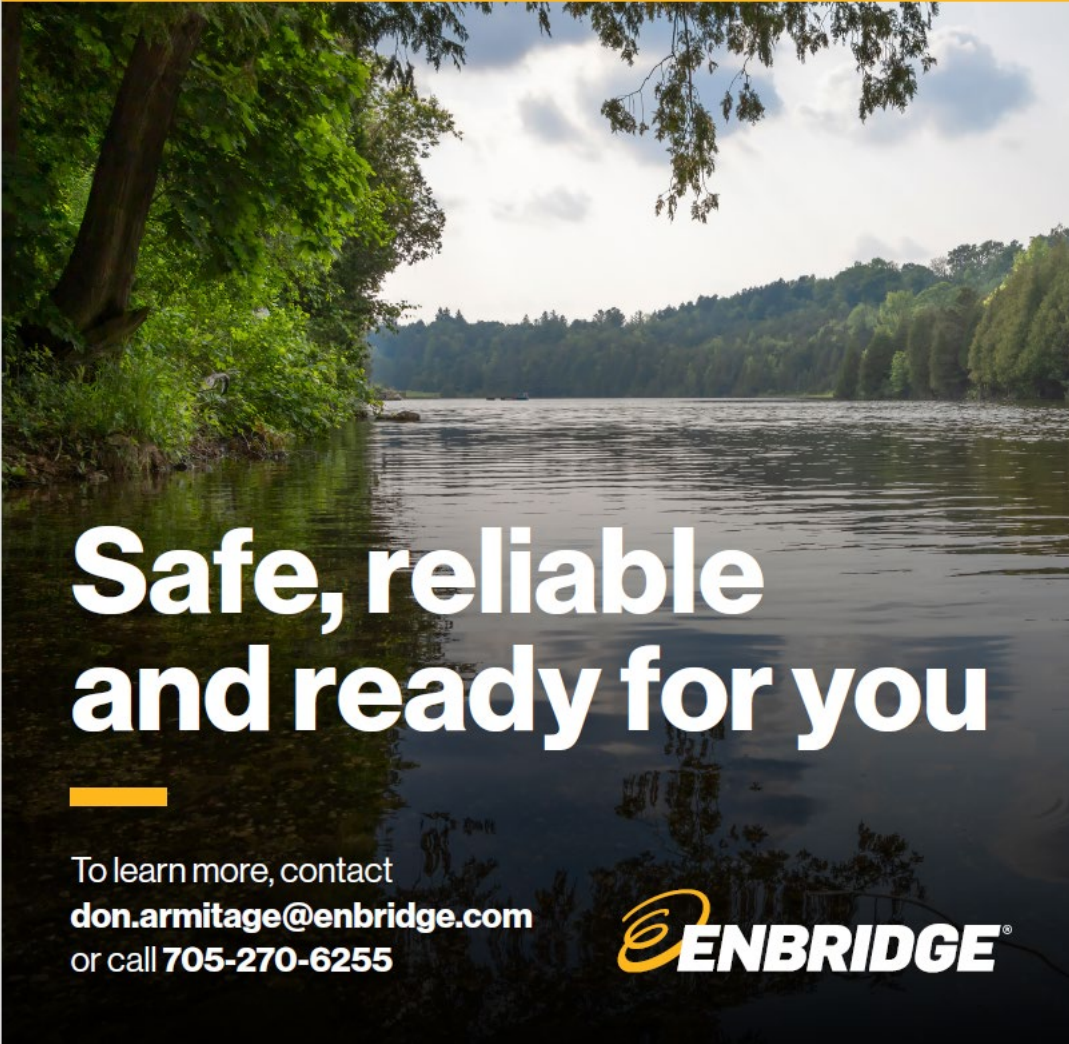


**Resilient, reliable—
and ready for you**

Connect to natural gas service
in Prince Township

 **ENBRIDGE**


Saugeen Municipal Facebook Ad – May 2024.




**Safe, reliable
and ready for you**

—

To learn more, contact
don.armitage@enbridge.com
or call **705-270-6255**

 **ENBRIDGE**[®]

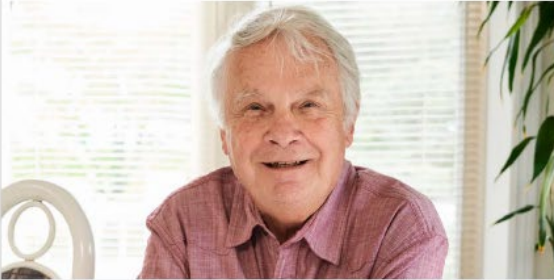
Sandford, Neustadt, East Gwillimbury Digital Campaign – March-May 2024.

 **Enbridge Gas**
Sponsored

Curious if natural gas will help you save compared to oil or propane?
Explore all the benefits of making the switch. [116/125]

“We’ve saved all kinds of money by converting to natural gas.”


Phil D., Homeowner, Fenelon Falls



ENBRIDGEGAS.COM

Comfort you can count on [24/27] [Apply now](#)

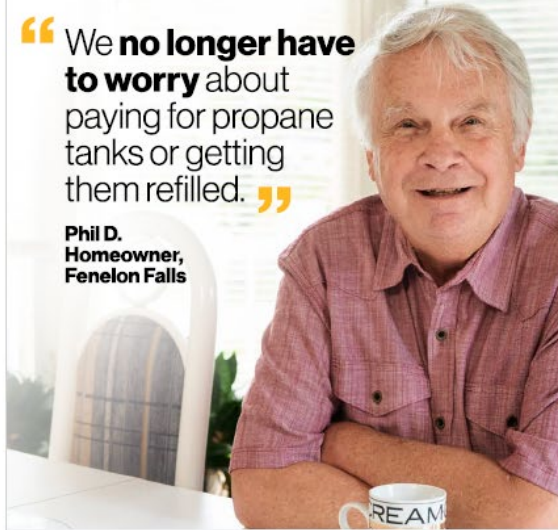
Safe and versatile energy [25/27]

 **Enbridge Gas**
Sponsored

Curious if natural gas will help you save compared to oil or propane?
Explore all the benefits of making the switch. [116/125]

“We no longer have to worry about paying for propane tanks or getting them refilled.”


Phil D., Homeowner, Fenelon Falls



ENBRIDGEGAS.COM


Comfort you can count on [24/27] [Apply now](#)

Safe and versatile energy [25/27]

 **Enbridge Gas**
Sponsored

Natural gas is coming to **Sandford**. Learn how to make the switch to safe, cost-effective home heating today. [107/125]


Savings you'll notice



Direct service to your home [27/32] [Apply now](#)

Worry-free comfort [18/18]


Comfort you can count on



Compare with oil or propane [27/32] [Apply now](#)


Heating for less [16/18]

Reliability you can trust




Safe, professional installation [31/32] [Apply now](#)

Help at every step [18/18]

 **Enbridge Gas**
Sponsored

Natural gas is on its way to **Sandford!** Many will see a low cost to convert and savings year round. [98/125]



ENBRIDGEGAS.COM

Comfort you can count on [24/27]

Safe and versatile energy [25/27]

[Apply Now](#)

Horizontal:

- [John 15s](#)
- [Phil 15s Video 1](#)
- [Phil 15s Video 2](#)
- [Phil 30s](#)

Vertical:

- [John 15s](#)
- [Phil 15s Video 1](#)
- [Phil 15s Video 2](#)
- [Phil 30s](#)

Q1 Attachment Package – Sandford February; Neustadt February, March; East Gwillimbury March 2024.




Choose to pay less for energy

—

**Save by switching to
safe, reliable natural gas.**

What's inside:

-  See how much you can save
-  5-step guide to get connected

**ENBRIDGE**
Life Takes Energy®

Ready to lower your energy bills?

Good news—natural gas is a convenient solution that could help you save. This package will guide you through everything you need to know and all the benefits of safe, reliable natural gas.

Lower energy bills

Compared to electricity, propane or oil, switching to natural gas could save you on home and water heating costs year round. It's more convenient: you'll never run out of fuel or wait for trucks to arrive.

Lower carbon emissions

Natural gas is cleaner than other fuels and could help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

See how much you can save

Use our online calculator to see how much you could save by switching to natural gas. Enter your home's size, age and a few more details to get a personalized estimate of annual savings.

Calculate your savings by visiting enbridgegas.com/savewithgas and finding your community page to use the calculator.

Ahmed Al-Amry

Ahmed Al-Amry
Supervisor, Community Expansion
Enbridge Gas



Get in touch any time

There are many alternatives to serve your energy needs. Visit Natural Resources Canada at tinyurl.com/y3k2nh8b to learn more about alternative technologies such as heat pumps. Please consult your HVAC provider about energy options, building considerations and costs to meet your specific needs.

If you have questions about connecting to natural gas, please contact one of our Community Expansion advisors.

Community Expansion Contacts:

Phone: 1-833-356-2689
Email: ceapplications@enbridge.com

* Natural gas prices are based on Rate 1 rates in effect as of Jan. 1, 2024 and include the \$0.23 per m³ expansion surcharge. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of Jan. 1, 2023 and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). Electric cold climate air source heat pumps are available but not included in the savings calculations. The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Oil price is based on the latest available retail price. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. The Federal carbon charge is included for all energy types based on the Jan. 1, 2024 rate. The Federal carbon charge is projected to increase annually from 2024 to 2030.

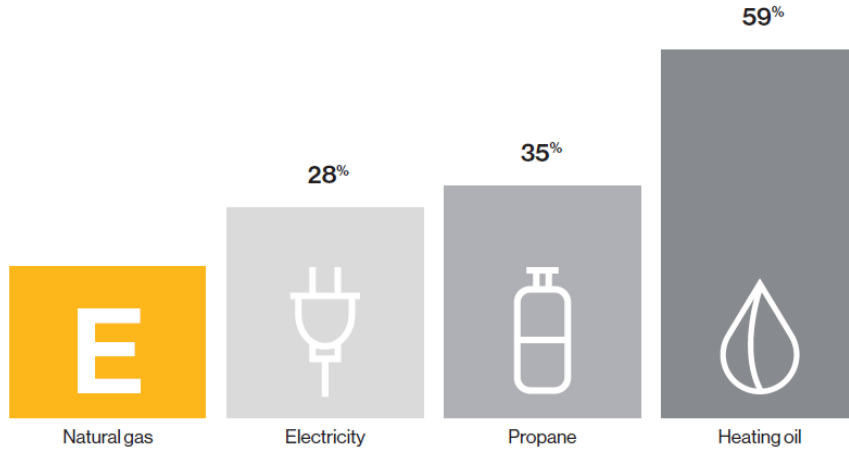
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



* Natural gas prices are based on Rate 1 rates in effect as of Jan. 1, 2024 and include the \$0.23 per m³ expansion surcharge. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of Jan. 1, 2023 and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). Electric cold climate air source heat pumps are available but not included in the savings calculations. The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Oil price is based on the latest available retail price. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. The Federal carbon charge is included for all energy types based on the Jan. 1, 2024 rate. The Federal carbon charge is projected to increase annually from 2024 to 2030.

Bring home all the benefits



Cost effective

Compared to other fuels and electricity, natural gas is a cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



Lower carbon emissions

Natural gas can help reduce your home's carbon footprint.

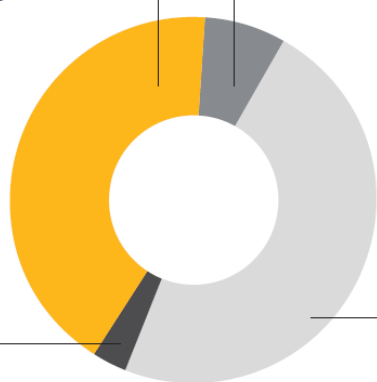
Billing and charges

Where does your money go?

Here's a helpful explanation of a few key items on your natural gas bill

Expansion Surcharge

The fairest way to cover the infrastructure costs of expanding natural gas service.



Customer Charge

This is a fixed \$22.88* amount that pays for 24/7 emergency response and other services.

* Subject to change. Please note that all charges, except the fixed customer charge, vary based on how much natural gas you use.

Cost Adjustment

Natural gas rates vary by season—you pay what we pay.

Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Go to enbridgegas.com/savewithgas to get an estimate of your potential fuel savings.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

Programs and rebates to help you save

Enbridge Gas offers a suite of conservation programs to help you save energy at home. From money-saving rebates to discounts and special offers, we're committed to helping you make your home more energy efficient, comfortable and affordable.

Energy conservation is good for you and your community

Reducing energy use is the simplest, most cost-effective way to keep energy costs affordable for everyone. When you make your home more energy efficient, you also help protect it against the effects of a changing climate and contribute to a cleaner, greener Ontario.



Visit our website at enbridgegas.com/conservation to find the right program for you.



“ I was connected with someone who came to my house and walked through the house with me looking for areas that I could improve on by myself or with professional help. Because of the efforts I've made, it's a lot more comfortable and a lot less cold. ”

– Erica H.
Program participant
Ottawa, Ontario

How to get connected

5 simple steps to switch

It's always best to complete your application for natural gas service as early as possible. This helps us to ensure you are included in our planning process.



1. Inquire with us

Visit enbridgegas.com/savewithgas to review project details, calculate your estimated savings and engage our project team to answer any of your questions.



2. Get an estimate from your local heating contractor

Once you have made your decision to convert, your contractor will submit the natural gas service application on your behalf. You will receive an email summary of the gas application as submitted by your contractor. A member of our team will contact you to coordinate locating and marking all existing underground utilities.



3. Acknowledge your account details

You will receive a confirmation email with a verification link prompting you to validate the following: your service address, homeowner and billing information. You will also be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you could still save significantly every year by switching to natural gas.



4. After we install the natural gas service

Contact your contractor to arrange for the installation and conversion of your natural gas equipment.



5. The final step

Contact 1-877-362-7434 at least 48 hours in advance to arrange your meter activation and final inspection of the natural gas equipment.

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers provided that the distance between the Owner's property line and the front wall of house/building is 20 metres or less. Services in excess of this distance will result in additional charges of \$32 per metre (plus applicable taxes)*. Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

IMPORTANT!

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

Name (please print)

Address

Phone number

Email address

Existing primary heat source

Existing secondary heat source

Signature

Date

Completing this Expression of Interest Card is not an application for natural gas, or a binding contract by either you or Enbridge Gas for natural gas service.

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



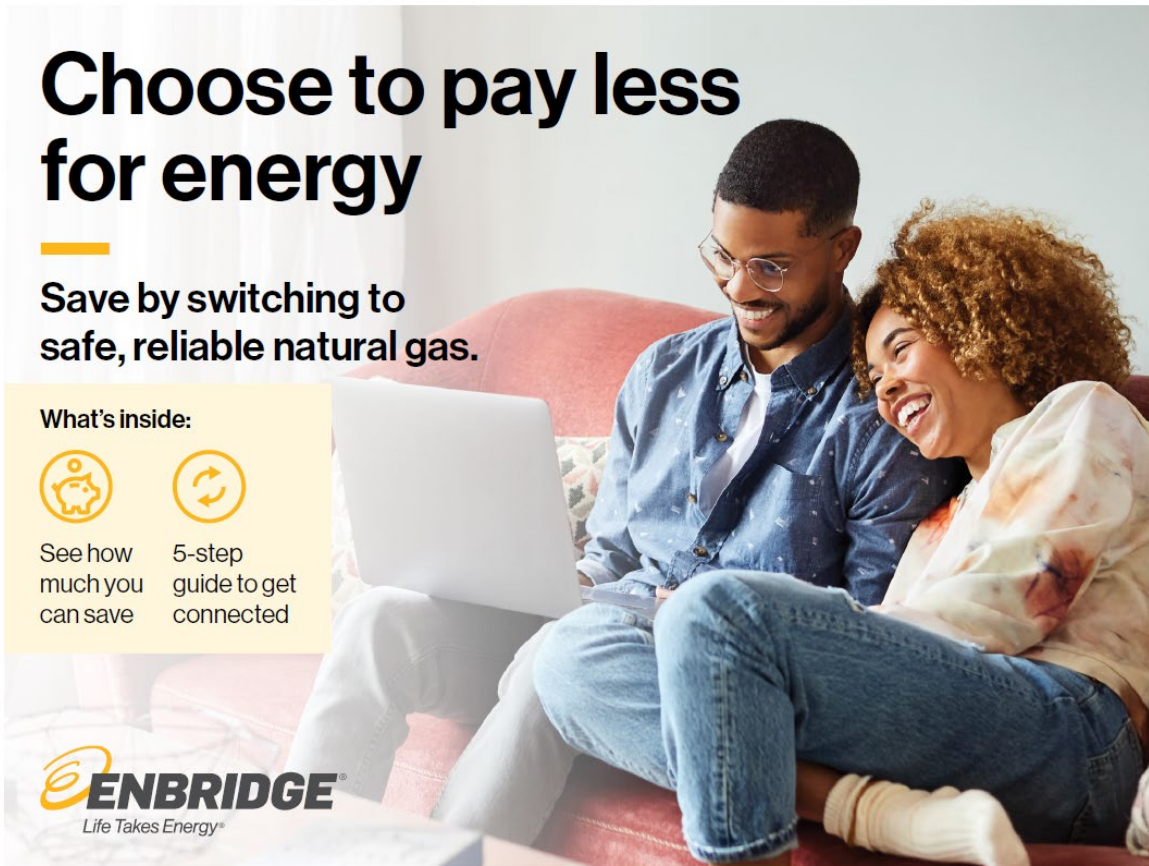
Questions?

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1-833-356-2689
ceapplications@enbridge.com



Q2 Attachment Package – Sandford April, June; Neustadt April, May, June; East Gwillimbury April, June; Bobcaygeon May, June 2024.




Choose to pay less for energy

Save by switching to safe, reliable natural gas.

What's inside:

-  See how much you can save
-  5-step guide to get connected

 **ENBRIDGE**
Life Takes Energy[®]

Ready to lower your energy bills?

Good news—natural gas is a convenient solution that could help you save. This package will guide you through everything you need to know and all the benefits of safe, reliable natural gas.

Lower energy bills

Compared to electric resistance heating, propane or oil, switching to natural gas could save you on home and water heating costs year round. It's more convenient: you'll never run out of fuel or wait for trucks to arrive.

Lower carbon emissions

Natural gas is cleaner than other fuels and could help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

Meetpal Chhina

Meetpal Chhina
Supervisor, Community Expansion
Enbridge Gas



Get in touch any time

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Other resources

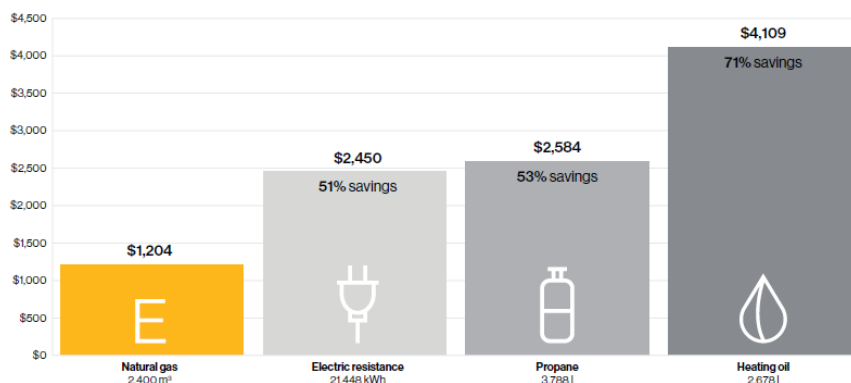
There are many alternatives to serve your energy needs. Visit Natural Resources Canada at tinyurl.com/y3k2nh8b to learn more about alternative technologies such as heat pumps. Please consult your HVAC provider about energy options, building considerations and costs to meet your specific needs.

Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Estimated annual heating bills for typical residential customer (Rate 1)



Disclaimer:

- Calculations are based on an estimated 2,400 m³ typical consumption for a residential customer (Rate 1). The term "typical" implies a representative annual consumption. Resulting savings are for illustration purposes only. Consumption levels and savings will vary based on customer region or zone of residence, appliance, appliance efficiency and household characteristics, lifestyle, and energy prices. Please refer to your actual utility bills for specific actual usage, pricing and totals.
- Natural gas price is based on Rate 1 rates in effect as of April 1, 2024 (EB-2024-0093).
- Electricity rates based on Toronto Hydro rates as of Jan. 1, 2024, and Regulated Price Plan (RPP) customers that are on Time-of-Use (TOU) pricing. It includes the Ontario Electricity Rebate (OER) of 19.3%.
- Heating oil prices sourced from Statistics Canada, CANSIM (735163), average retail prices for gasoline and fuel oil, by urban centre, Toronto, Ontario based on the latest actual data available at the time of comparison.
- Propane prices sourced from EDPRO website (edproenergy.com/residential/) and assumes pricing for Zone 5 (2,500 – 4,499 litres) based on the average of the daily prices of the latest calendar month available at the time of comparison.
- Costs have been calculated for the energy-equivalent annual consumption adjusted by efficiency factors and illustrate an estimated energy-equivalent annual heating bill for conversions from electric resistance, heating oil, and propane to natural gas.
- Initial upfront costs/setup costs are not included in the energy comparison calculations.
- Typical consumption for a residential customer is comprised of both heat load and base load. Energy comparison assumes space heating for heat load and water heating for base load.
- The federal carbon charge is included for all applicable energy types as reported and expected to increase annually depending on government policies. Effective Nov. 9, 2023, the federal carbon charge has been paused for a 3-year period on heating oil used exclusively for home/building heating.
- HST is excluded from all energy types.
- Non-natural gas alternatives such as electric cold climate air source heat pumps (ccASHP) are not included in the energy comparison. Please consult an HVAC service provider regarding specific energy options, building considerations, cost estimates appropriate to your specific needs, and electric-related costs.

Bring home all the benefits



Cost effective

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Comfort and convenience

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Q: Why do I have to pay an additional charge towards the construction costs of the project?

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Natural gas service installation policy

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IMPORTANT!

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

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Email address

Existing primary heat source

Existing secondary heat source

Signature

Date

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Get in touch any time



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Enbridge Gas
Community Expansion
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Bobcaygeon, ON K0M 1A0



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1-833-356-2689
ceapplications@enbridge.com

Q3 Attachment Package – Sandford August 2024.

Choose to pay less for energy

**You could save by
switching to safe,
reliable natural gas.**

What's inside:



See how
much you
can save



5-step
guide to get
connected



Ready to lower your energy bills?

Good news—natural gas is a convenient solution that could help you save. This package will guide you through everything you need to know and all the benefits of safe, reliable natural gas.

Lower energy bills

Compared to electric resistance heating, propane or oil, switching to natural gas could save you on home and water heating costs year round. It's more convenient than oil or propane. You'll never run out of fuel or wait for trucks to arrive.

Lower carbon emissions

Natural gas is cleaner than oil or propane and could help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

Meetpal Chhina

Meetpal Chhina
Supervisor, Community Expansion
Enbridge Gas



Get in touch any time

If you have questions about connecting to natural gas, please contact one of our Community Expansion advisors.

Community Expansion Contacts:

Phone: 1-833-356-2689

Email: ceapplications@enbridge.com

Other resources

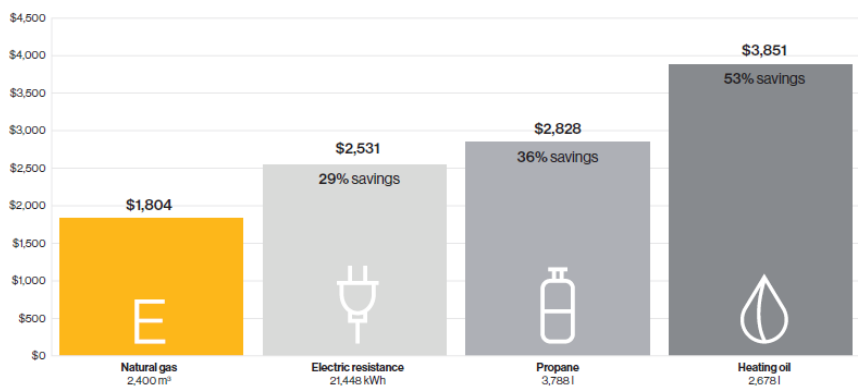
There are many alternatives to serve your energy needs. Visit Natural Resources Canada at tinyurl.com/y3k2nh8b to learn more about alternative technologies such as heat pumps. Please consult your HVAC provider about energy options, building considerations and costs to meet your specific needs.

Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Estimated annual heating bills for typical residential customer (Rate 1 Community Expansion)



Disclaimer:

- Calculations are based on an estimated 2,400m³ typical consumption for a residential customer (Rate 1). The term "typical" implies a representative annual consumption. Resulting savings are for illustration purposes only. Consumption levels and savings will vary based on customer region or zone of residence, appliance, appliance efficiency and household characteristics, lifestyle, and energy prices. Please refer to your actual utility bills for specific actual usage, pricing, and totals.
- Natural gas price is based on Rate 1 rates in effect as of July 1, 2024 (EB-2024-0166) and includes the \$0.23 per m³ System Expansion Surcharge (SES).
- Electricity rates based on Hydro One rates as of July 1, 2024, and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. It includes the Ontario Electricity Rebate (OER) of 19.3%.
- Heating oil prices sourced from Statistics Canada, CANSIM (1735163), average retail prices for gasoline and fuel oil, by urban centre, Toronto, Ontario based on the latest actual data available at the time of comparison.
- Propane prices sourced from EDPRO website (edproenergy.com/residential/) and assumes pricing for Zone 5 (2,500 - 4,499 Litres) based on the average of the daily prices of the latest calendar month available at the time of comparison.
- Costs have been calculated for the energy-equivalent annual consumption adjusted by efficiency factors and illustrate an estimated energy equivalent annual heating bill for conversions from electric resistance, heating oil, and propane to natural gas.
- Initial upfront costs/setup costs are not included in the energy comparison calculations.
- Typical consumption for a residential customer is comprised of both heat load and base load. Energy comparison assumes space heating for heat load and water heating for base load.
- The federal carbon charge is included for all energy types as reported and expected to increase annually depending on government policies. Effective November 9, 2023, the federal carbon charge has been paused for a 3-year period on heating oil used exclusively for home/building heating.
- HST is excluded from all energy types.
- Non-natural gas alternatives such as electric cold climate air source heat pumps (ccASHP) are not included in the energy comparison. Please consult an HVAC service provider regarding specific energy options, building considerations, cost estimates appropriate to your specific needs, and electric-related costs.

Bring home all the benefits



Cost effective

Compared to other fuels and Electric resistance heating, natural gas is a cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



Lower carbon emissions

Compared to oil and propane, natural gas can help reduce your home's carbon footprint.

Billing and charges

Where does your money go?

Here's a helpful explanation of a few key items on your natural gas bill

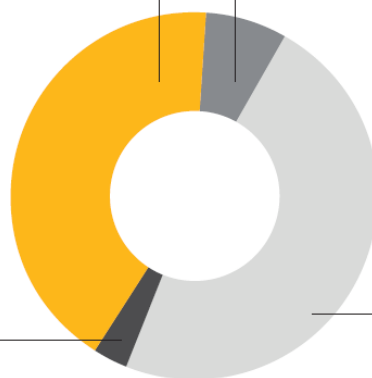
Expansion Surcharge

The fairest way to cover the infrastructure costs of expanding natural gas service.

Customer Charge

This is a fixed \$25.72* amount that pays for 24/7 emergency response and other services.

* Subject to change. Please note that all charges, except the fixed customer charge, vary based on how much natural gas you use.



Cost Adjustment

Natural gas rates vary by season—you pay what we pay.

Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

Questions? We're here for you.

Contact a Community Expansion Advisor:
1-833-356-2689
ceapplications@enbridge.com

Programs and rebates to help you save

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Energy conservation is good for you and your community

Reducing energy use is a simple, cost-effective way to keep energy costs affordable for everyone. By making your home more energy efficient, you can help contribute to a cleaner, greener Ontario.



Visit our website at enbridgegas.com/conservation to find the right program for you.



“ I was connected with someone who came to my house and walked through the house with me looking for areas that I could improve on by myself or with professional help. Because of the efforts I've made, it's a lot more comfortable and a lot less cold. ”

– Erica H.
Program participant
Ottawa, Ontario

How to get connected

5 simple steps to switch

It's always best to complete your application for natural gas service as early as possible. This helps us to ensure you are included in our planning process.



1. Inquire with us

Visit enbridgegas.com/savewithgas to review project details and engage with our project team to answer any of your questions.



2. Get an estimate from your local heating contractor

Once you have made your decision to convert, your contractor will submit the natural gas service application on your behalf. You will receive an email summary of the gas application as submitted by your contractor. A member of our team will contact you to coordinate locating and marking all existing underground utilities.



3. Acknowledge your account details

You will receive a confirmation email with a verification link prompting you to validate the following: your service address, homeowner and billing information. You will also be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you could still save significantly every year by switching to natural gas.



4. After we install the natural gas service

Contact your contractor to arrange for the installation and conversion of your natural gas equipment.



5. The final step

Contact 1-877-362-7434 at least 48 hours in advance to arrange your meter activation and final inspection of the natural gas equipment.

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers provided that the distance between the Owner's property line and the front wall of house/building is 20 metres or less. Services in excess of this distance will result in additional charges of \$159 per metre (plus applicable taxes). Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

IMPORTANT!

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

Name (please print)

Address

Phone number

Email address

Existing primary heat source

Existing secondary heat source

Signature

Date

Completing this Expression of Interest Card is not an application for natural gas, or a binding contract by either you or Enbridge Gas for natural gas service.

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



Questions?

We're here for you.

Contact a Community Expansion Advisor:

1-833-356-2689
ceapplications@enbridge.com

Newspaper Ad – Neustadt August 2024.



Natural gas is on its way!

Construction is starting August 2024 on the **Neustadt Natural Gas Expansion Project**, providing the community with access to reliable natural gas.

We are here and available to answer any questions you may have regarding the application process.

Connect with us at ceapplications@enbridge.com or call our team at **1-833-356-2689**.



Attachment 2 - Community Engagement Strategies for Community Expansion Projects

Phase	Timelines (Marketing and Market Insights Timelines)	Strategy	Tier 3 Mktg Activities 50 - 150 customers	Tier 2 Mktg Activities 150 - 500 customer	Tier 1 Mktg Activities 500 + customers	Community Engagement Activities Across all tiers
			Activity (in order of priority)	Activity (in order of priority)	Activity (in order of priority)	
Phase 1 - Market Insights	2-3 weeks survey prep (hire vendor/supply chain process, update and program questionnaire, arrange for fielding) 4+ weeks fielding 2 weeks data compilation, analysis and high level reporting	* Survey typically used to forecast customer attachments, therefore survey required before project economics can be finalized * Survey to gather information that supports future marketing efforts, such as demographics, existing fuel and equipment types, housing characteristics, perceptions of natural gas, etc. * Methodology determined based on community characteristics: door-to-door, online, telephone, or a combination.	* Survey	* Survey	* Survey	1. Municipality are notified of the survey for awareness 2. Municipality to notify residents through available channels (eg social media, newsletter, etc.)
Phase 2 - Pre-Construction	Up to 6 months (Tier 1) Up to 3 months (Tier 2) Up to 2 months (Tier 3)	Build awareness about natural gas and uses of natural gas, informing that natural gas is coming to the community and to address any questions as needed.	* Community open house * Construction vehicle decals (3rd party vehicles)	* Community open house* * Foundational creative assets - print/digital * Construction vehicle decals (3rd party vehicles)	* Community open house * Foundational creative assets - print/digital * Construction vehicle decals (3rd party vehicles)	* Develop or strengthen relationships with key stakeholders * Media scans * Prepare key messaging to respond to inquiries * Support project team
Phase 3 - Active Construction	Up to 18 months (Tier 1) Up to 12 months (Tier 2) Up to 8 months (Tier 3)	1. Drive awareness and education on natural gas and the attachment process, address customer questions/concerns. 2. Drive adoption/attachments	* Open House * Creative Assets - print, digital, grass roots, newspapers * Construction packages (attachment team) * Vehicle decals * CE Tool kit leave behind	* Open House * Creative Assets - print, digital, social, grass roots/community events * Construction packages * Community events	* Open House * Storefront location * Creative Assets - print, digital, social, grass roots/community events, radio, newspapers * Construction packages	* Notice of construction * Internal and external stakeholder communications and events * Support to project team

East Gwillimbury

Pre-Market Research Package

in market May-June 2023

Choose to pay less for energy

—
Save up to 65% each year
by switching to natural gas



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know and the benefits of affordable, reliable natural gas.

Save up to 65 percent* each year

Compared to alternative heating sources like electric baseboard, propane or oil, switching to natural gas could save you on home and water heating costs year round.

Lower carbon emissions

Natural gas is cleaner than other fuels, such as propane and oil, and can help reduce your home's carbon footprint.

See how much you can save

Calculate your savings by visiting enbridgegas.com/savewithgas and finding your community page to use the calculator.

Ahmed Al-Amry

Ahmed Al-Amry
Supervisor, Community Expansion
Enbridge Gas

Get in touch any time

There are many alternatives to serve your energy needs. Visit Natural Resources Canada at tinyurl.com/y3k2nh8b to learn more about alternative technologies such as heat pumps. If you have questions, please contact one of our Community Expansion Advisors.

Community Expansion contacts:

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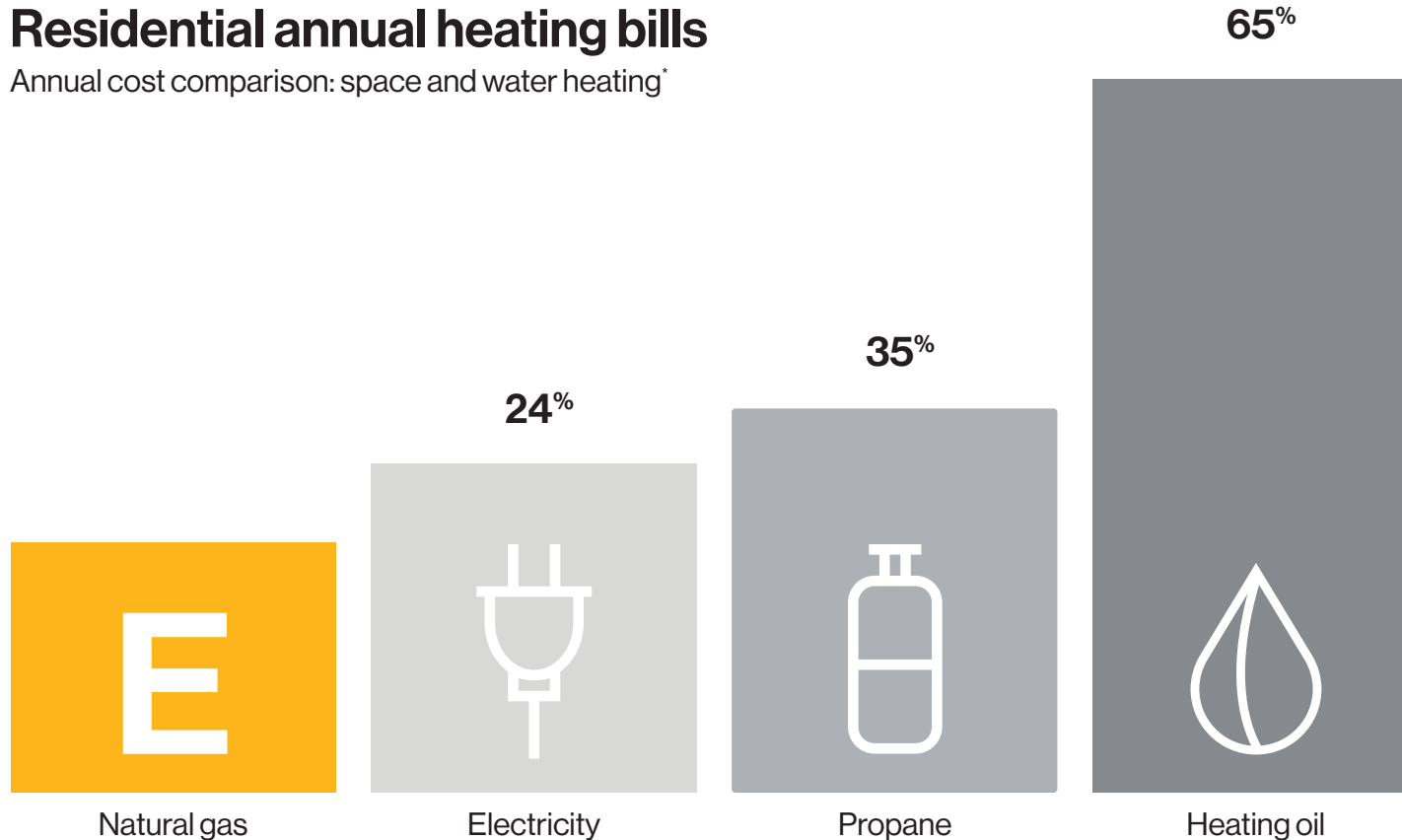
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



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Bring home all the benefits



More affordable

Compared to other fuels, natural gas is the most cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



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Lower carbon emissions

Natural gas can help reduce your home's carbon footprint.

Billing and charges

Where does your money go?

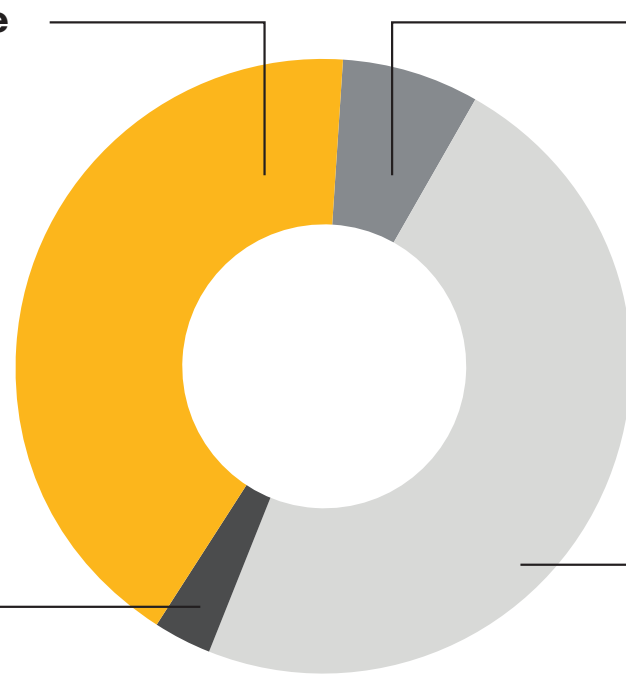
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Customer Charge

This is a fixed \$22.88* amount that pays for 24/7 emergency response and other services.

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Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

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Programs and rebates to help you save

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Energy conservation is good for you and your community

Reducing energy use is the simplest, most cost-effective way to keep energy costs affordable for everyone. When you make your home more energy efficient, you also help protect it against the effects of a changing climate and contribute to a cleaner, greener Ontario.



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Program participant
Ottawa, Ontario

East Gwillimbury Attachment Package

in market January 2024

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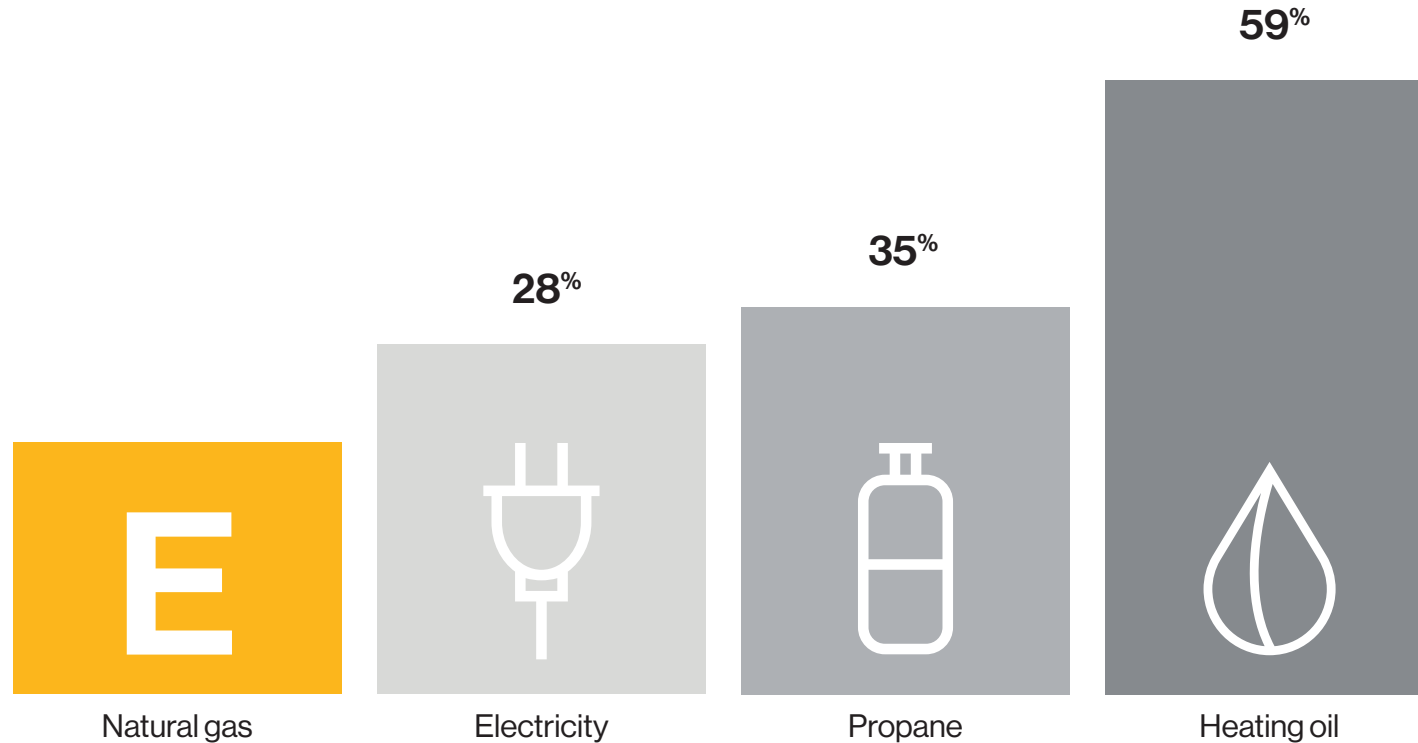
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Program participant
Ottawa, Ontario

How to get connected

5 simple steps to switch

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IMPORTANT!

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Take the first step to savings

Let us know you're interested in connecting to natural gas



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Name (please print)

Address

Phone number

Email address

Existing primary heat source

Existing secondary heat source

Signature

Date

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



Questions?

We're here for you.

Contact a Community Expansion Advisor:

1-833-356-2689
ceapplications@enbridge.com

Completing this Expression of Interest Card is not an application for natural gas, or a binding contract by either you or Enbridge Gas for natural gas service.

East Gwillimbury Newspaper Ad

in market February 2024

Join your neighbours making the switch

Natural gas is coming to East Gwillimbury



**Reliable.
Cost-effective.
Convenient.**

FILE NAME: ENB2010_CE_Phase3-Postcard-6x9_EGWILLIMBURY_ID08					✕ C O N T E X T
JOB NO. / CLIENT / PROGRAM		DATE	PUBLICATION (VENDOR) / INSERT DATE		
ENB 2010 / Enbridge / CE		Mar 6/24	East Gwillimbury		
COLOUR	TRIM	SAFETY	MARGIN	BLEED	FOLD
CMYK	6" x 9"	5" x 8"	-	6.5" x 9.5"	-
SCALE: 1:1	P.M.: MF	DESIGNER: VC	PRODUCTION: ID		

Enjoy peace of mind through every season



With construction starting soon, now's the perfect time to sign up for reliable, cost-effective natural gas service. Many could see lower energy costs long term, and Enbridge Gas is here to help at every step.



Why do 75% of Ontarians choose natural gas?



Comfort you can count on



Safe and versatile



No more fuel delivery



Cost-effective compared to oil and propane

“

We've saved all kinds of money by converting to natural gas. ”

Phil D,
Fenelon Falls

Support to get you connected

Visit enbridgegas.com/savewithgas to learn more about the potential savings and benefits of natural gas.



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FILE NAME: ENB2010_CE_Phase3-Postcard-6x9_EGWILLIMBURY_ID08					✕ C O N T E X T
JOB NO. / CLIENT / PROGRAM		DATE	PUBLICATION (VENDOR) / INSERT DATE		
ENB 2010 / Enbridge / CE		Mar 6/24	East Gwillimbury		
COLOUR	TRIM	SAFETY	MARGIN	BLEED	FOLD
CMYK	6" x 9"	5" x 8"	-	6.5" x 9.5"	-
SCALE: 1:1	P.M.: MF	DESIGNER: VC	PRODUCTION: ID		

East Gwillimbury Kiosk Flyer

in market March 2024

Are you paying too much for home heating?

Come visit us to see how much you can save!

Prizes available!*

Learn about the benefits of switching to natural gas and how to get connected.

Stop by our kiosk at:
Mount Albert Community Centre
53 Main St, Mount Albert

Monday, March 25
9 a.m. – 4 p.m.

Tuesday, March 26
9 a.m. – 3 p.m.

Prize draw Tuesday at 3 p.m.

* Must speak with an Enbridge Gas representative to be entered into the draw.

Drop by to have all **your questions answered** and let us know if you're interested in connecting to natural gas.

Talk about potential savings on your home energy bills.

Connect with us at:  ceapplications@enbridge.com  **1-833-356-2689**

East Gwillimbury Direct Mailer

in market March 2024

Ready to join your neighbours?

Natural gas is coming to East Gwillimbury

75%

of Ontarians choose natural gas



Now's the perfect time to sign up and start enjoying the benefits of reliable, cost-effective natural gas. It's simple to switch, and Enbridge Gas is here to help at every step.

“

We've saved all kinds of money by converting to natural gas. And we no longer have to worry about paying for propane tanks or getting them refilled.”

Phil D. | Homeowner, Fenelon Falls

Comfort you can count on

Safe and versatile

No more fuel delivery

Learn what the switch can do for you
enbridgegas.com/savewithgas
 1-833-356-2689
ceapplications@enbridge.com



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FILE NAME: ENB2010_CE_Phase3-Newspaper-7-5x9-5_ID01					
JOB NO. / CLIENT / PROGRAM		DATE	PUBLICATION (VENDOR) / INSERT. DATE		
ENB 2010 / Enbridge / CE		Feb 21/24	-		
COLOUR	TRIM	SAFETY	MARGIN	BLEED	FOLD
CMYK	7.5" x 9.5"	-	-	-	-
SCALE: 1:1	P.M.: MF	DESIGNER: CR/VC	PRODUCTION: ID		

PUBLICATION (VENDOR)
 EAST GWILLIMBURY'S BULLETIN

✕
 C O N T E X T

East Gwillimbury Digital/Social in market March 27, 2024 (will run for 8 weeks)

ENBRIDGE GAS

CE Phase 3 Marketing Campaign

- Sandford
- Neustadt
- East Gwillimbury

"Bring home the benefits"

Taking its cue from top-performing CE campaigns, this minimalist concept builds trust with the audience via customer testimonials and high-impact keywords.

March 26, 2024




C O N T E X T

a mod op company

Static


Option 1

 **Enbridge Gas**
Sponsored

Curious if natural gas will help you save compared to oil or propane?
Explore all the benefits of making the switch. [116/125]

“We’ve saved all kinds of money by converting to natural gas.”

Phil D., Homeowner, Fenelon Falls




ENBRIDGEGAS.COM

Comfort you can count on [24/27] [Apply now](#)

Safe and versatile energy [25/27]

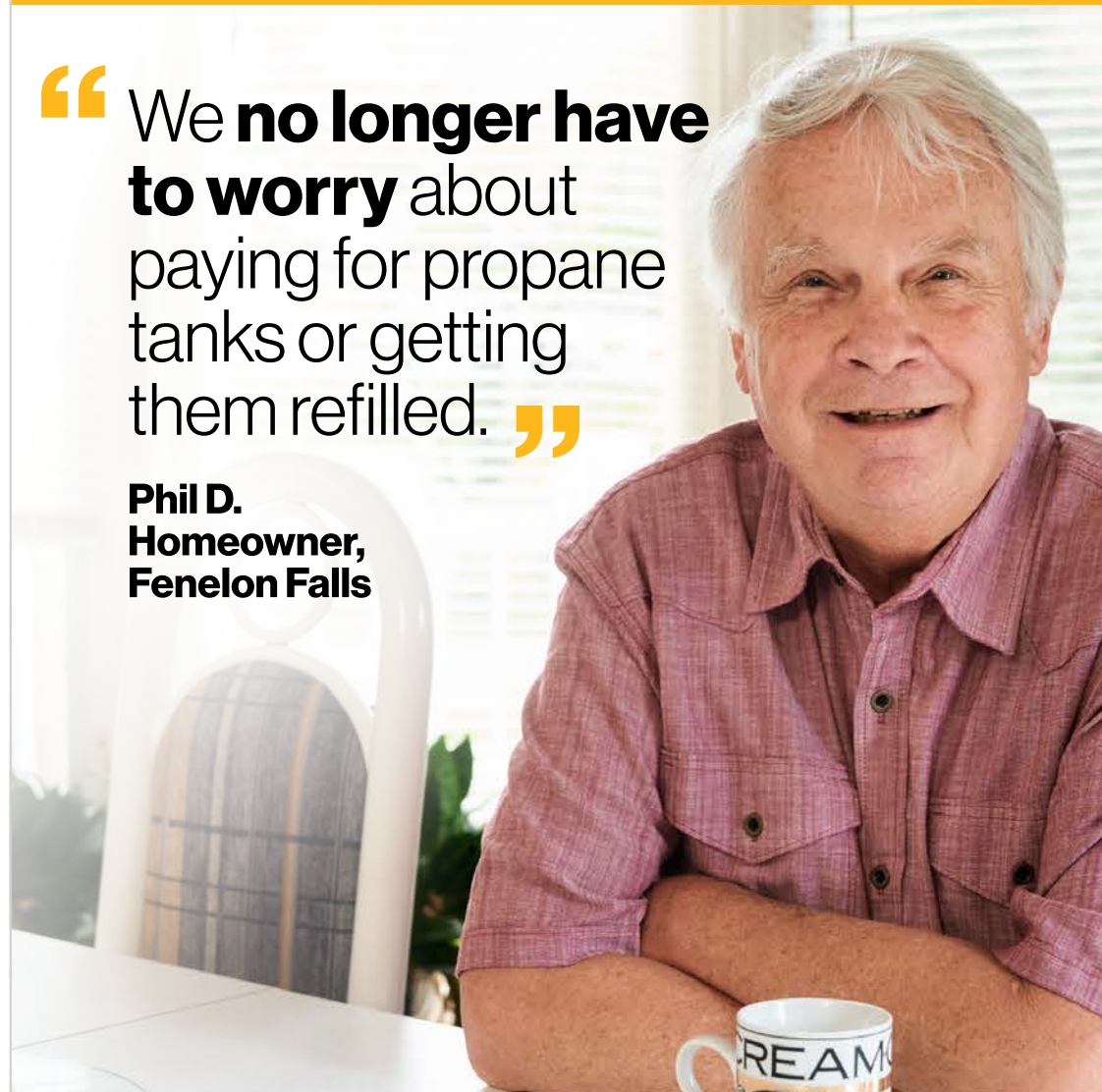
Option 2

 **Enbridge Gas**
Sponsored

Curious if natural gas will help you save compared to oil or propane?
Explore all the benefits of making the switch. [116/125]

“We no longer have to worry about paying for propane tanks or getting them refilled.”

Phil D., Homeowner, Fenelon Falls



ENBRIDGEGAS.COM

Comfort you can count on [24/27] [Apply now](#)

Safe and versatile energy [25/27]



Carousel

Option 1



Enbridge Gas

Sponsored

Natural gas is coming to East Gwillimbury. Learn how to make the switch to safe, cost-effective home heating today. [107/125]

Get **cost-effective** home heating



Direct service to your home [27/32]

Worry-free comfort [18/18]

Apply now

Get **reliable, efficient** energy



No more fuel delivery [21/32]

Heating for less [16/18]

Apply now

Get connected to **natural gas** today



Safe, professional installation [31/32]

Help at every step [18/18]

Apply now



Carousel

Option 2



Enbridge Gas

Sponsored

Natural gas is coming to East Gwillimbury. Learn how to make the switch to safe, cost-effective home heating today. [107/125]

Savings

you'll notice



Direct service to your home [27/32]

Apply now

Worry-free comfort [18/18]

Comfort

you can count on



Compare with oil or propane [27/32]

Apply now

Heating for less [16/18]

Reliability

you can trust



Safe, professional installation [31/32]

Apply now

Help at every step [18/18]



Videos



Enbridge Gas

Sponsored

Natural gas is on its way to East Gwillimbury! Many will see a low cost to convert and savings year round. [98/125]



ENBRIDGEGAS.COM

Comfort you can count on [24/27]

Safe and versatile energy [25/27]

[Apply Now](#)

Horizontal:

[John 15s](#)

[Phil 15s Video 1](#)

[Phil 15s Video 2](#)

[Phil 30s](#)

Vertical:

[John 15s](#)

[Phil 15s Video 1](#)

[Phil 15s Video 2](#)

[Phil 30s](#)



CE PHASE 3 MARKETING CAMPAIGN

Responsive Search and Demand Gen Images



C O N T E X T

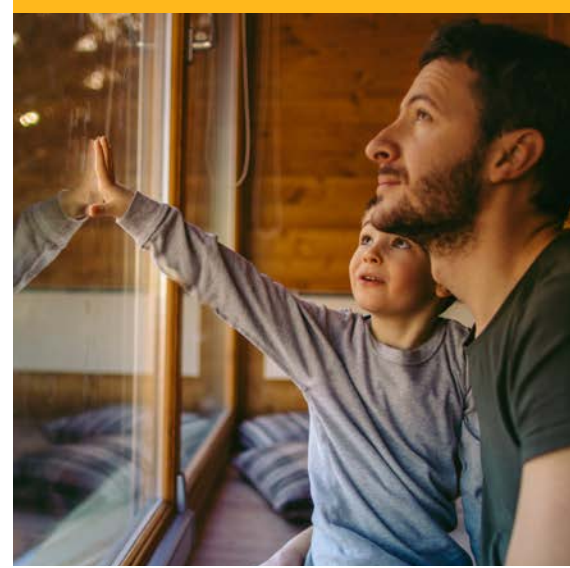
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Responsive Search and Demand Gen Images

Option 1



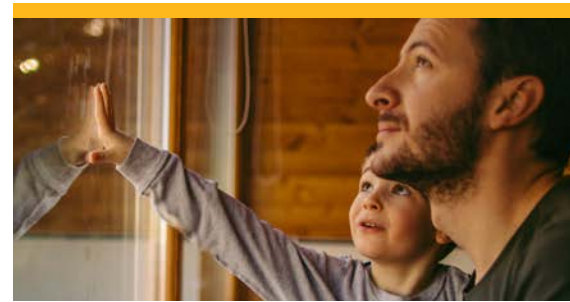
Option 2



Option 3



Option 4

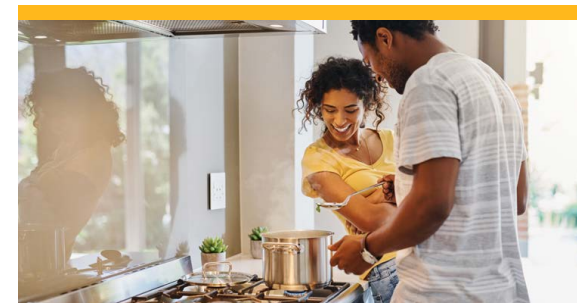


Responsive Search and Demand Gen Images

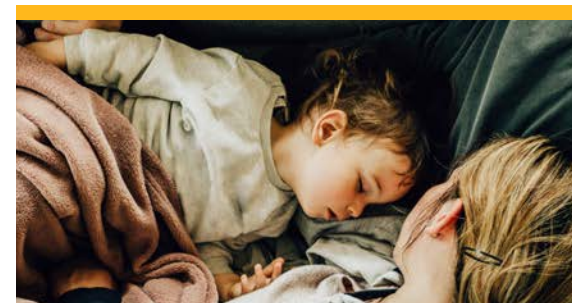
Option 5



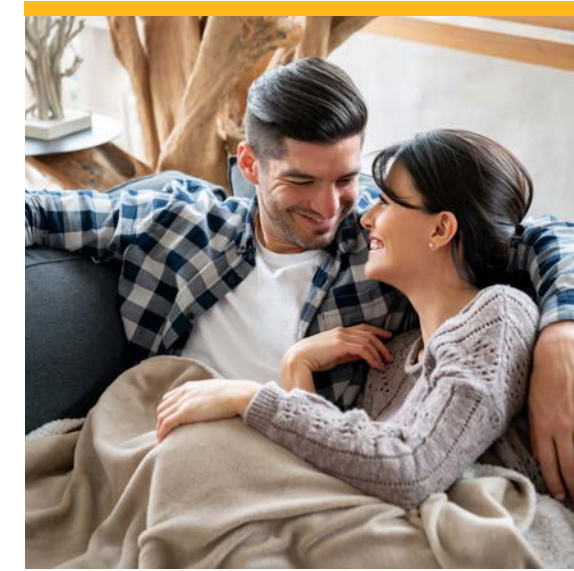
Option 6



Option 7



Option 8



Choose to pay less for energy

Save by switching to
safe, reliable natural gas.

What's inside:



See how
much you
can save



5-step
guide to get
connected



Ready to lower your energy bills?

Good news—natural gas is a convenient solution that could help you save. This package will guide you through everything you need to know and all the benefits of safe, reliable natural gas.

Lower energy bills

Compared to electric resistance heating, propane or oil, switching to natural gas could save you on home and water heating costs year round. It's more convenient: you'll never run out of fuel or wait for trucks to arrive.

Lower carbon emissions

Natural gas is cleaner than other fuels and could help reduce your home's carbon footprint.

It's easy to get started

Follow our simple five-step guide on page six to see how the connection process works.

Meetpal Chhina

Meetpal Chhina

Supervisor, Community Expansion
Enbridge Gas



Get in touch any time

If you have questions about connecting to natural gas, please contact one of our Community Expansion advisors.

Community Expansion Contacts:

Phone: 1-833-356-2689

Email: ceapplications@enbridge.com

Other resources

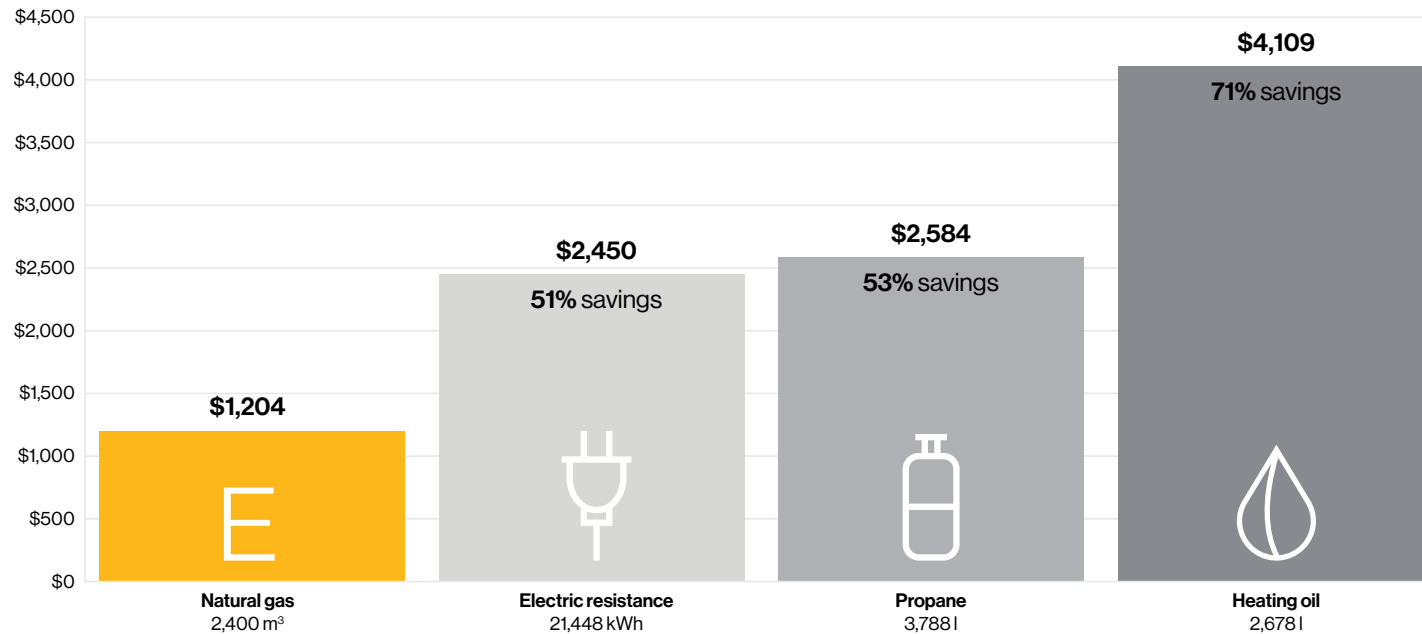
There are many alternatives to serve your energy needs. Visit Natural Resources Canada at tinyurl.com/y3k2nh8b to learn more about alternative technologies such as heat pumps. Please consult your HVAC provider about energy options, building considerations and costs to meet your specific needs.

Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Estimated annual heating bills for typical residential customer (Rate 1)



Disclaimer:

- Calculations are based on an estimated 2,400 m³ typical consumption for a residential customer (Rate 1). The term 'typical' implies a representative annual consumption. Resulting savings are for illustration purposes only. Consumption levels and savings will vary based on customer region or zone of residence, appliance, appliance efficiency and household characteristics, lifestyle, and energy prices. Please refer to your actual utility bills for specific actual usage, pricing and totals.
- Natural gas price is based on Rate 1 rates in effect as of April 1, 2024 (EB-2024-0093).
- Electricity rates based on Toronto Hydro rates as of Jan. 1, 2024, and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. It includes the Ontario Electricity Rebate (OER) of 19.3%.
- Heating oil prices sourced from Statistics Canada, CANSIM (v735163), average retail prices for gasoline and fuel oil, by urban centre, Toronto, Ontario based on the latest actual data available at the time of comparison.
- Propane prices sourced from EDPRO website (edproenergy.com/residential/) and assumes pricing for Zone 5 (2,500 – 4,499 litres) based on the average of the daily prices of the latest calendar month available at the time of comparison.
- Costs have been calculated for the energy-equivalent annual consumption adjusted by efficiency factors and illustrate an estimated energy-equivalent annual heating bill for conversions from electric resistance, heating oil, and propane to natural gas.
- Initial upfront costs/setup costs are not included in the energy comparison calculations.
- Typical consumption for a residential customer is comprised of both heat load and base load. Energy comparison assumes space heating for heat load and water heating for base load.
- The federal carbon charge is included for all applicable energy types as reported and expected to increase annually depending on government policies. Effective Nov. 9, 2023, the federal carbon charge has been paused for a 3-year period on heating oil used exclusively for home/building heating.
- HST is excluded from all energy types.
- Non-natural gas alternatives such as electric cold climate air source heat pumps (ccASHP) are not included in the energy comparison. Please consult an HVAC service provider regarding specific energy options, building considerations, cost estimates appropriate to your specific needs, and electric-related costs.

Bring home all the benefits



Cost effective

Compared to other fuels and Electric resistance heating, natural gas is a cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



Lower carbon emissions

Natural gas can help reduce your home's carbon footprint.

Billing and charges

Where does your money go?

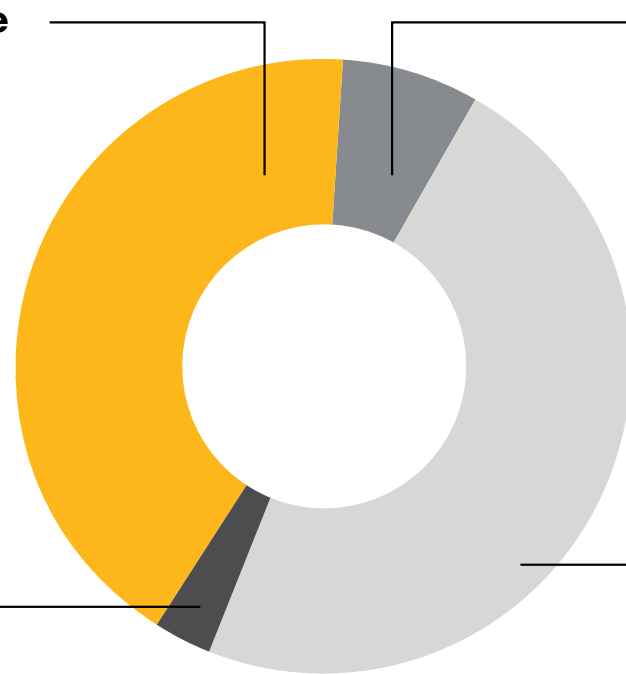
Here's a helpful explanation of a few key items on your natural gas bill

Expansion Surcharge

The fairest way to cover the infrastructure costs of expanding natural gas service.

Cost Adjustment

Natural gas rates vary by season—you pay what we pay.



Customer Charge

This is a fixed \$25.72* amount that pays for 24/7 emergency response and other services.

* Subject to change. Please note that all charges, except the fixed customer charge, vary based on how much natural gas you use.

Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

Questions? We're here for you.

Contact a Community Expansion Advisor:

1-833-356-2689

ceapplications@enbridge.com

Programs and rebates to help you save

Enbridge Gas offers a suite of conservation programs to help you save energy at home. From money-saving rebates to discounts and special offers, we're committed to helping you make your home more energy efficient, comfortable and affordable.

Energy conservation is good for you and your community

Reducing energy use is the simplest, most cost-effective way to keep energy costs affordable for everyone. When you make your home more energy efficient, you also help protect it against the effects of a changing climate and contribute to a cleaner, greener Ontario.



Visit our website at enbridgegas.com/conservation to find the right program for you.



“ I was connected with someone who came to my house and walked through the house with me looking for areas that I could improve on by myself or with professional help. Because of the efforts I've made, it's a lot more comfortable and a lot less cold. ”

– Erica H.
Program participant
Ottawa, Ontario

How to get connected

5 simple steps to switch

It's always best to complete your application for natural gas service as early as possible. This helps us to ensure you are included in our planning process.



1. Inquire with us

Visit enbridgegas.com/savewithgas to review project details and engage our project team to answer any of your questions.



2. Get an estimate from your local heating contractor

Once you have made your decision to convert, your contractor will submit the natural gas service application on your behalf. You will receive an email summary of the gas application as submitted by your contractor.

A member of our team will contact you to coordinate locating and marking all existing underground utilities.



3. Acknowledge your account details

You will receive a confirmation email with a verification link prompting you to validate the following: your service address, homeowner and billing information.

You will also be provided details on the expansion surcharge, which will fluctuate monthly based on your natural gas use. Even with this surcharge, you could still save significantly every year by switching to natural gas.



4. After we install the natural gas service

Contact your contractor to arrange for the installation and conversion of your natural gas equipment.



5. The final step

Contact 1-877-362-7434 at least 48 hours in advance to arrange your meter activation and final inspection of the natural gas equipment.

Natural gas service installation policy

Enbridge Gas will provide and install at no cost, one service line per civic address to new customers provided that the distance between the Owner's property line and the front wall of house/building is 20 metres or less. Services in excess of this distance will result in additional charges of \$159 per metre (plus applicable taxes). Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

IMPORTANT!

Do not disconnect your existing fuel source or remove any equipment until your new natural gas service and gas meter have been installed.

Take the first step to savings

Let us know you're interested in connecting to natural gas



Please send the following information to ceapplications@enbridge.com and a Community Expansion Advisor will contact you soon.

Name (please print)

Address

Phone number

Email address

Existing primary heat source

Existing secondary heat source

Signature

Date

Get in touch any time



Prefer postal mail?

Mail your completed expression of interest to us at:

Enbridge Gas
Community Expansion
PO Box 618
Bobcaygeon, ON K0M 1A0



Questions?

We're here for you.

Contact a Community Expansion Advisor:

1-833-356-2689
ceapplications@enbridge.com

Completing this Expression of Interest Card is not an application for natural gas, or a binding contract by either you or Enbridge Gas for natural gas service.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit I, Tab 1, Schedule 1

Question(s):

- a) Does Enbridge agree to a condition of approval requiring it to advise customers of the health, environmental, and safety impacts of household gas equipment before they connect to the gas system?
- b) Has Enbridge advised customers in the project area that:
 - i. Gas stoves and other gas equipment emit toxic gases?
 - ii. Gas stoves can contribute to childhood asthma?
 - iii. Approximately 13% of childhood asthma is attributable to gas stove use in the US?¹
 - iv. Approximately 20% of Ontario's carbon pollution comes from heating homes and business with gas?
 - v. Gas equipment produces carbon monoxide, which can make people sick or die?
- c) Please prepare a table indicating which of the facts listed in (a) it will advise potential customers, with one column for the fact and a second column for what Enbridge will advise customers.
- d) Please prepare a table indicating which of the facts listed in (a) Enbridge agrees with, and why. Please include one column for the fact and a second column for Enbridge's position on the proposition in question.
- e) If Enbridge does not confirm that gas stoves and other gas equipment emit toxic gases, please:

¹ Taylor Gruenwald et al, Population Attributable Fraction of Gas Stoves and Childhood Asthma in the United States, Int. J. Environ. Res. Public Health 2023, 20(1), 75 (<https://doi.org/10.3390/ijerph20010075>).

- i. Provide a rebuttal to the footnoted article stating that gas equipment does emit toxic gas and file a copy of that article;² and
 - ii. Provide a table of the gases produced when methane is combusted with a column for the health impacts of each.
- f) If Enbridge does not confirm that gas stove use contributes to childhood asthma:
 - i. Provide a rebuttal to the footnoted article and file a copy of that article;³ and
 - ii. Please provide Enbridge's best estimate of the contribution of gas stoves to childhood asthma in the United States and Canada and file a copy of any supporting studies.
- g) How many people have experienced carbon monoxide poisoning in Ontario over the past 10 years? Please provide as much data as possible if that timeframe is not available.
- h) How many people have died from carbon monoxide poisoning in Ontario over the past 10 years? Please provide as much data as possible if that timeframe is not available.
- i) How many people have died from carbon monoxide poisoning from methane gas equipment in Ontario over the past 10 years? Please provide as much data as possible if that timeframe is not available.
- j) Please confirm, as described in this footnoted article, that a man died and his wife was made critically ill due to carbon monoxide poisoning from gas equipment in Ottawa in November, 2019.⁴

Response:

a - j)

These questions are out of scope for this Application and are not relevant for determining the issues to be determined by the OEB in this proceeding; therefore Enbridge Gas respectfully declines to respond.

² CBC, *After seeing how gas stoves pollute homes, these researchers are ditching theirs*, April 7, 2022 (<https://www.cbc.ca/news/science/gas-stoves-air-pollution-1.6394514>).

³ Taylor Gruenwald et al, Population Attributable Fraction of Gas Stoves and Childhood Asthma in the United States, *Int. J. Environ. Res. Public Health* 2023, 20(1), 75 (<https://doi.org/10.3390/ijerph20010075>).

⁴ <https://ottawacitizen.com/news/local-news/clogged-boiler-vent-blamed-for-deadly-orleans-carbon-monoxide-poisoning>

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

EB-2023-0200, Exhibit 1.ED-2, Attachment 1

Question(s):

- a) In the Sanford Community Expansion (EB-2023-0200) materials, Enbridge personnel sought support from municipalities for leave to amend the leave to construct threshold. Were there any equivalent communications with the municipalities in this case?
- b) Please provide a list of Enbridge's municipal advisors.
- c) Please confirm whether the salary of that municipal/stakeholder staff person is funded by ratepayers or directly by the shareholder.
- d) If this salary is paid by ratepayers, please explain why or whether it is appropriate that ratepayers pay for Enbridge staff to lobby for less OEB oversight.

Response:

- a) No.
- b) Enbridge Gas has a municipal advisor for each operating region. The operating regions are:
 - Eastern Region
 - GTA East Region
 - GTA West Region
 - Northern Region
 - Toronto Region
 - Southeast Region
 - Southwest Region
- c) The salaries of the municipal advisors are funded by ratepayers.

d) Please refer to the response in part a). The outreach provided by the municipal advisors to Ontario's municipalities referenced in question part a) was to create a dialogue and ensure the voices of ratepayers and other stakeholders were considered in the design and implementation of the Future of Home Heating and Natural Gas Expansion Program and efforts to modernize the leave-to-construct process for pipeline projects.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit I, Tab 1, Schedule 1

Question(s):

- a) Would Enbridge agree to the following condition of approval: "Enbridge shall agree to assume all customer revenue forecast risk."? If not, why not, and would Enbridge agree to assume 50% of the customer revenue forecast risk?
- b) When will Enbridge seek to add the costs of this project to rate base?
- c) What test will be applied when Enbridge seeks to add the costs of this project to rate base if there are significant revenue deficiencies? Please provide a detailed answer, including reference to any applicable case law or guidance documents.
- d) Please provide a list of the future circumstances in which it would be open to the OEB to deny approval of certain costs for this project being added to rate base?
- e) Once costs are added to rate base, what mechanisms will be place to track the forecast revenue from this project with the ongoing actual revenue (i.e. in years 10 to 40)?
- f) In the OEB decision in the Selwyn gas expansion case, the OEB stated as follows: "The OEB cannot bind a future panel determining that future application to be made by Enbridge Gas post-RSP. However, the OEB notes that if Enbridge Gas's estimate of customers likely to take up gas service is correct, existing natural gas customers will have contributed approximately \$19,500 per customer served by the Project to assist in the expansion of gas in these communities. There is a reasonable expectation that such customers will not be called upon to provide a further subsidy to compensate for post-RSP revenue shortfalls."

Does this alter the test to applied when Enbridge seeks to add the costs of that project to rate base such that permissions to add certain costs to rate base could be denied even if the decisions to incur those costs are considered prudent at the time they were made?

Response:

- a) Per the NGEP Phase 2 framework, Enbridge Gas is not eligible for rate recovery on any variances pertaining to capital cost overages or customer attachment shortfalls that transpire within the 10 year rate stability period (RSP), after which the Project is eligible for recovery. Please see the response to Exhibit I.ED.42.
- b) Please see Exhibit I.STAFF-5, part b).
- c - d)
At the first rebasing period following the completion of the 10-year RSP, the Project's net plant balance will form part of the utility's revenue requirement determination and the associated customer additions and volumes will support the subsequent rate design. This is consistent with how other customer attachment projects are treated in a rebasing application. Enbridge Gas is not able to comment on "future circumstances"; however it notes that capital expenditures will be subject to a prudence review as part of the rebasing activities.
- e) Enbridge Gas has in place a mechanism to track the attachments and associated cost for the 10 year RSP term to meet the requirements of the NGEP Phase 2 program. There is no obligation under the OEB NGEP guidelines to continue to track beyond the 10 year term.
- f) No. See the response to c – d).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1

Question(s):

- a) Please provide a table listing all the projects in Schedule 1 and 2 of O. Reg. 24/19 with columns for: (i) status, including planned in-service date for projects not yet build, (ii) total capital costs (if known), (iii) total NGEPS subsidy, (iv) total revenue needed to achieve a profitability index of 1, and (v) capital cost overruns (\$, if applicable).
- b) For all the projects that are currently not proceeding (or are indefinitely on hold), please explain why they are not proceeding and whether or not that factor would apply in whole or in part to East Gwillimbury.
- c) For all the projects with cost overruns, please explain why the cost overruns occurred and whether or not those circumstances could arise in this case.

Response:

- a)
 - i. -v. Please see Attachment 1 to this response.^{1, 2, 3}
- b) Hiawatha First Nation and Cornwall Island, both NGEPS Phase 1 funded projects, require community approval and agreement to proceed with design and planning activities. Both project approvals are currently outstanding. All other remaining NGEPS projects are not subject to this additional approval with the exception of Red Rock Nation (Lake Helen reserve), which is progressing on consultation efforts and the Company expects planning activities to commence in early 2025.

¹ <https://www.ontario.ca/laws/regulation/r19024>

² <https://www.ontario.ca/laws/regulation/r21451>

³ <https://news.ontario.ca/en/backgrounder/48779/ontarios-natural-gas-grant-program-11-new-projects>

- c) Variance explanations for Saugeen First Nation, North Bay (Northshore and Peninsula Roads) and Scugog Island are available at EB-2022-0200, Exhibit 1, Tab 12, Schedule 1, Attachments 1 and 2. For the remaining projects Enbridge Gas will file Post Construction Financial Reports for individual projects, as required, and the Company will report on the actual capital costs through future rebasing applications, following the completion of the 10-year rate stabilization period(s) (RSP) associated with each community expansion project.

Each project is unique with various considerations that may not apply to other projects. The cost estimate for the Project is based on the current design stage of the Project and related Project-specific risks/uncertainties. Enbridge Gas cautions against drawing conclusions regarding the Project using selective information from other projects.

Case Number	Project	(i) Status	(ii) Total Capital Costs	(iii) Total NGEPS subsidy	(iv) Total Revenue to achieve PI = 1	(v) Capital Cost Overruns
Schedule 1 - O. Reg. 24/19						
Variance Explanations for Milverton, Rostock, Wartburg, Kettle Point & Lambton Shores, Prince Twp, Moraviantown, Fenelon Falls, Saugeen FN, North Bay, Scugog, see EB-2022-0200 Exhibit 1, Tab 12, Schedule 1, Attachment 1						
N/A	Cornwall Island	Requires Community vote to proceed	N/A	Please refer to Schedule 1 in O. Reg. 24/19	N/A	N/A
EB-2019-0139	Chippewas of the Thames	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Service Date	EB-2022-0200, Exhibit JT3.16, Table 1	Please refer to Schedule 1 in O. Reg. 24/20	See EB-2019-0139 Schedule 6 (SES Revenue + ITE Revenue + Distribution Revenue)	See EB-2022-0200, Exhibit JT3.16, Table 1
EB-2019-0187	Saugeen First Nation	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Service Date	EB-2022-0200, Exhibit JT3.16, Table 1	Please refer to Schedule 1 in O. Reg. 24/21	See EB-2019-0187 Exhibit B, Tab 2, Schedule 6 (SES Revenue + ITE Revenue + Distribution Revenue)	See EB-2022-0200, Exhibit JT3.16, Table 1
EB-2017-0261	Scugog Island	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Service Date	EB-2022-0200, Exhibit JT3.16, Table 1	Please refer to Schedule 1 in O. Reg. 24/22	See EB-2017-0261 Exhibit B, Tab 1, Schedule 1, Page 16 of 20. (NPV of SES and ITE revenues)	See EB-2022-0200, Exhibit JT3.16, Table 1 <u>OR</u> EB-2017-0261 Post Construction Financial Report, Table 1, Page 2 of 5
N/A	Hiawatha First Nation	Requires Community vote to proceed	N/A	Please refer to Schedule 1 in O. Reg. 24/23	N/A	N/A
EB-2019-0188	Northshore and Peninsula Roads	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Service Date	EB-2022-0200, Exhibit JT3.16, Table 1	Please refer to Schedule 1 in O. Reg. 24/24	See EB-2019-0188 Exhibit B, Tab 2, Schedule 6 (SES Revenue + ITE Revenue + Distribution Revenue)	See EB-2022-0200, Exhibit JT3.16, Table 1
Schedule 2 - O. Reg. 24/19						
EB-2022-0111	Bobcaygeon	Construction Start: July 2024 *See EB-2022-0111 Exhibit D, Tab 1, Schedule 2	See Exhibit E, Tab 1, Schedule 1, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2022-0111 Exhibit E, Tab 1, Schedule 1, Attachment 1 (Gas Distribution Revenue + SES Revenue)	N/A
EB-2024-0187	Boblo Island	Application filed August 2024 Target Construction Start: June 2025	See Exhibit E, Tab 1, Schedule 1, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2024-0187 Exhibit E, Tab 1, Schedule 1, Attachment 2 (Gas Distribution Revenue + SES Revenue)	N/A
N/A	Burk's Falls	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Service Date	See EB-2022-0200, Exhibit JT3.16, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	N/A	See EB-2022-0200, Exhibit JT3.16, Table 1
TBD	Caledon (Humber Station)	Under Design	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A
TBD	Cedar Springs	Under Design	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A
TBD	Chute-à-Blondeau	Under Design	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A
EB-2023-0343	East Gwillimbury	Under Design	See Exhibit E, Tab 1 Schedule 1, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2023-0343 Exhibit E, Tab 1, Schedule 1, Attachment 2	N/A
EB-2023-0201	Eganville	Construction Start: September 2024 *See EB-2023-0201 Exhibit D, Tab 2, Schedule 1	See Exhibit E, Tab 1, Schedule 1, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2023-0201 Exhibit E, Tab 1, Schedule 1, Attachment 2, Page 1 of 4	N/A
TBD	Glendale	Under Design	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A

EB-2022-0088	Haldimand Shores	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Servcie Date	See Exhibit D, Tab 1, Schedule 1, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2022-0088 Exhibit D, Tab 1, Schedule 1, Attachment 2	See EB-2022-0088, Post Construction Financial Report filed May 31, 2024
EB-2022-0249	Hidden Valley	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Servcie Date	See Exhibit I.STAFF.4, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2022-0249 Exhibit E, Tab 1, Schedule 1, Attachment 2	To be filed in Post Construction Financial Report.
N/A	Kenora District (Hwy 594)	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Servcie Date	See EB-2022-0200, Exhibit JT3.16, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	N/A	See EB-2022-0200, Exhibit JT3.16, Table 1
TBD	Lanark and Balderson	Under Design	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A
TBD	Merrickville-Wolford	Under Design	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A
EB-2022-0248	Mohawks of the Bay of Quinte	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Servcie Date	See EB-2022-0200, Exhibit JT3.16, Table 1 OR	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2022-0248 Exhibit E, Tab 1, Schedule 1, Attachment 2, Page 1 of 4	To be filed in Post Construction Financial Report.
EB-2023-0261	Neustadt	Under Construction: July 2024 Planned ISD: October 2024	See Exhibit E, Tab 1, Schedule 1, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2023-0261 Exhibit E, Tab 1, Schedule 1, Attachment 2, Page 1 of 4	N/A
N/A	Perth East (Brunner)	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Servcie Date	See EB-2022-0200, Exhibit JT3.16, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	N/A	See EB-2022-0200, Exhibit JT3.16, Table 1
EB-2024-0084	Prince Edward County (Cherry Valley)	Application filed August 14 2024 Target Construction Start: April 2025	See Exhibit E, Tab 1, Schedule 1, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2024-0084 Exhibit E, Tab 1, Schedule 1, Attachment 2 (Gas Distribution Revenue + SES Revenue)	N/A
TBD	Red Rock First Nation (Lake Helen Reserve)	Requires Community vote to proceed	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A
EB-2023-0200	Sandford	Under Construction: July 2024 Planned ISD: October 2024	See Exhibit E, Tab 1, Schedule 1, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2023-0200 Exhibit E, Tab 1, Schedule 1, Attachment 2	N/A
EB-2022-0156	Selwyn	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Servcie Date	See Exhibit E, Tab 1, Schedule 1, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	See EB-2022-0156 Exhibit E, Tab 1, Schedule 1, Attachment 2	To be filed in Post Construction Financial Report.
TBD	Severn (Washago)	Under Design	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A
TBD	St. Charles	Under Design	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A
N/A	Stanley's Olde Maple Lane Farm	Complete *See EB-2022-0200, ED-39 Attachment 2 for In-Servcie Date	See EB-2022-0200, Exhibit JT3.16, Table 1	Please refer to Schedule 2 in O. Reg. 451/21	N/A	See EB-2022-0200, Exhibit JT3.16, Table 1
TBD	Tweed	Under Design	TBD	Please refer to Schedule 2 in O. Reg. 451/21	TBD	N/A

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Covering letter p.3.

Question(s):

- a) Please provide a list of the past 10 gas expansion projects for which leave to construct was required and indicate the contingency percentage used in in the leave to construct application. To the extent that they differ from the updated value of 10% in this project, please explain why.

Response:

- a) Please see Table 1 for the contingency percentage for the past 10 Community Expansion projects. All projects utilized the same 10% contingency value as the updated value for East Gwillimbury except for Haldimand Shores, which utilized 20% contingency based on the project risk profile and information available at the time of the filing.

Enbridge Gas cautions against drawing conclusions regarding the Project using selective information from other projects. Each project is unique with various considerations that may not apply to other projects.

Table 1: Contingency Percentage by Project

Project Name	Percent Contingency used in LTC application
Haldimand Shores	20%
Selwyn	10%
Hidden Valley	10%
Mohawks Bay of Quite FN	10%
Bobcaygeon	10%
Sandford	10%
Eganville	10%

Neustadt	10%
Cherry Valley*	10%
Boblo Island*	10%
North Bay (Northshore and Peninsula Roads)	10%
Saugeen First Nation	10%

*Cherry Valley and Boblo Island involve LTC exemption applications that are currently before the OEB.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Reference: Exhibit E, Tab 1; Exhibit B, Tab 1, Schedule 1, Page 7

Question(s):

- a) Please provide a description of how Enbridge adjusted its customer connection forecast to account for the revised ELC and file a copy of all calculations and tables.
- b) What is the average ELC that Enbridge expects connecting customers to pay.
- c) What is the highest ELC that Enbridge expects a connecting customer to pay.

Response:

- a) See Exhibit I.STAFF-10 part b).
- b) For the East Gwillimbury project, the forecasted residential customers required to pay an ELC are expected to pay an average of \$1,617. Customers paying \$0 ELC are not included in the average. See Exhibit I.STAFF-10 part c).
- c) The highest ELC expected to be paid by a connecting customer is \$5,600. See Exhibit I.STAFF-10 part b) ii.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Reference: Exhibit E, Tab 1, Schedule 1; Exhibit B, Tab 1, Schedule 1, Page 7

Question(s):

- a) For the recently-approved gas expansion projects (Selwyn, Mohawks of the Bay of Quinte, Hidden Valley, Bobcaygeon, Eganville, & Neustadt) please provide a table showing, for each year from 2023 to 2027: (i) the forecast number of connections per LTC application, (ii) the number of customers who have applied for gas service, (iii) the number of completed connections, and (iv) the latest updated forecast for connections in 2024.
- b) If there is any divergence between the forecast and actual connections, please explain the reason for this and whether or not it is likely to apply in East Gwillimbury, and why.
- c) For the communities in (a), please provide the number of customers who have applied for gas service (on average per month) before and after the increase in the extra length charge.
- d) Please provide all of the forms/contracts used by potential customers applying for a gas connection.
- e) If a potential customer applies for gas service but changes their mind before construction begins for their service line, are they liable to be charged a penalty under documents they have signed and is Enbridge's practice to actually charge them a penalty?
- f) How many customers have formally signed up and applied to receive gas service in the project area?

Response:

a)

i. - ii.

Please see Attachment 1 to this response for the 2023-2027 annual customer forecasts and number of gas service applications received.

iii. Please see Exhibit I.ED-39, Attachment 1 for the completed attachments for Selwyn, Mohawks of the Bay of Quinte and Hidden Valley.

iv. Enbridge Gas forecasts are not updated annually and remain as filed in their respective LTC applications.

b) Each project is unique and therefore attachment trends cannot be assumed to be the same across all projects.

One factor impacting forecast vs. actual variances may be construction schedule changes and actual in-service dates, which can impact the timing of customer attachments. For example, customers are less likely to convert in winter months and therefore, if a project goes into service late or early in the year, the connections are more likely to occur later in spring or summer months. When deriving the forecast targets, preliminary construction schedules are factored into the year over year spread based on the best available information at the time. With project approval delays, crew availability, permit and seasonal constraints, construction plans may change at the time of execution, potentially creating seasonal variances from forecasts. An additional factor potentially impacting forecast variances is described in Exhibit I.ED-39, part b-d) iii.

c) From August 2022 to May 1, 2024, the average number of applications received monthly from the projects listed in part a) was 9 versus 13 after the ELC increase on May 1, 2024 to October 2024.

d) HVAC contractors submit a natural gas application on behalf of the customers in Enbridge Gas's online portal "GetConnected". The majority of customers receive an email to validate their account details and accept the charges, however in some areas where customers do not have email, a manual form is provided. There are 4 separate forms, included as Attachments 2-5 to this response, dependent on the request type submitted (residential or commercial) and whether the customer resides on Crown land.

- e) No, Enbridge Gas does not charge a penalty for the cancellation of an application.
- f) Please see response at Exhibit I.STAFF-2 part b).

Comparison of Forecasted Customers, Applications Received and Services Installed					
	2023	2024	2025	2026	2027
Selwyn					
i) Forecast Customer Attachments (#/yr)		34	19	12	7
ii) Number of applications rcv	51	0			
Services installed	8	42			
Mohawks of the Bay of Quinte					
i) Forecast Customer Attachments (#/yr)		45	45	19	13
ii) Number of applications received	25	59			
Services installed	0	82			
Hidden Valley					
i) Forecast Customer Attachments (#/yr)	20	27	27	13	13
ii) Number of applications received	67	5			
Services installed	30	40			
Bobcaygeon					
i) Forecast Customer Attachments (#/yr)			117	424	860
ii) Number of applications received		14			
Services installed		0			
Eganville					
i) Forecast Customer Attachments (#/yr)			63	178	144
ii) Number of applications received		6			
Services installed		0			
Neustadt					
i) Forecast Customer Attachments (#/yr)		72	55	39	25
ii) Number of applications received		81			
Services installed		0			

Note: Attachment forecasts do not conform to full calendar years; each forecasted attachment year represents a full 365 days from the in-service date. Values are not cumulative.

Expansion—Customer Account Sign Up Form



IMPORTANT: All information is required

Section A: Address and resident information

Address of property

Civic number:	Street name:	Unit:	PO box:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
City:	Province:	Postal code:	Concession number:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mailing address:			Same as civic address
<input type="text"/>			

Customer information

First name:	Last name:
<input type="text"/>	<input type="text"/>
Primary telephone number:	Email:
<input type="text"/>	<input type="text"/>

Customer co-applicant information

First name:	Last name:
<input type="text"/>	<input type="text"/>
Primary telephone number:	Email:
<input type="text"/>	<input type="text"/>

Section B: Expansion Surcharge—what to expect

It takes significant investment to build the infrastructure to bring natural gas to your community.

The Expansion Surcharge provides lower upfront costs to customers by spreading them out over time. The surcharge is based on your home's consumption and will fluctuate seasonally with your gas use. For example, if a residential home used 2,320 m³ of natural gas per year this charge would be $\$0.23 \times 2,320 \text{ m}^3 / 12 \text{ months} = \$44/\text{month}$.

The Expansion Surcharge will be applied to customers in your community for up to 40 years. The time period and surcharge are based on the cost to build the new infrastructure, which depends on how far you're located from an existing pipeline.

Section C: Excess length charges/natural gas installation policy

Enbridge Gas will provide and install at no cost, one natural gas service to customers provided that the distance between the owner's property line and desired meter location is 20 metres or less. The preferred gas meter location is within two metres of the front wall of house/building. Services in excess of this distance will result in additional charges of \$159 per metre (plus applicable taxes). Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

Section D: Cancellation policy

If your natural gas account is not activated after one year following the installation of your new natural gas service, you could be subject to a charge of \$2,500.

Customer name (print):	Signature:	Date (mm/dd/yyyy):
<input type="text"/>	<input type="text"/>	<input type="text"/>

Expansion—Indigenous Communities Customer Account Sign Up Form



IMPORTANT: All information is required

Section A: Address and resident information

Address of property

Civic number:	Street name:	Unit:	Lot number:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
City:	Province:	Postal code:	PO box:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mailing address:			Same as civic address
<input type="text"/>			<input type="checkbox"/>

Customer information

First name:	Last name:	Primary telephone number:
<input type="text"/>	<input type="text"/>	<input type="text"/>

Section B: Expansion surcharge—what to expect

It takes significant investment to build the infrastructure to bring natural gas to your community.

The Expansion Surcharge provides lower upfront costs to customers by spreading them out over time. The surcharge is based on your home's consumption and will fluctuate seasonally with your gas use. For example, if a residential home used 2,320 m³ of natural gas per year this charge would be $\$0.23 \times 2,320 \text{ m}^3 / 12 \text{ months} = \$44/\text{month}$.

The Expansion Surcharge will be applied to customers in your community for up to 40 years. The time period and surcharge are based on the cost to build the new infrastructure, which depends on how far you're located from an existing pipeline.

Section C: Customer acknowledgment (please select one)

As a tenant of a rental unit owned by , I authorize representatives of the community to assist to set up a new account in my name with Enbridge Gas for the purpose of natural gas conversions that are being implemented in my rental unit.

As an owner, I am authorizing an Enbridge Gas Representative to set up a new Enbridge Gas account in my name for the purpose of natural gas conversion.

Section D: Excess length charges/natural gas installation policy

Enbridge Gas will provide and install at no cost, one natural gas service to customers provided that the distance between the owner's property line and desired meter location is 20 metres or less. The preferred gas meter location is within two metres of the front wall of house/building. Services in excess of this distance will result in additional charges of \$159 per metre (plus applicable taxes). Call your local heating, ventilation and air conditioning (HVAC) provider for an assessment and to submit an application for gas service.

Section E: Cancellation policy

If your natural gas account is not activated after one year following the installation of your new natural gas service, you could be subject to a charge of \$2,500.

Customer name (print):	Signature:	Date (mm/dd/yyyy):
<input type="text"/>	<input type="text"/>	<input type="text"/>

Natural gas is now available in your community

Please review, then fill in the required information below, sign and date this form and send it back to us in the way most convenient for you. Please keep one copy for your files.

Expansion Surcharge—what to expect

It takes significant investment to build the infrastructure to bring natural gas to your community. The Expansion Surcharge (ES) provides lower upfront costs to customers by spreading them out over time.*

The ES is based on the building's consumption, and will fluctuate on the natural gas consumed. The ES is \$0.23 per cubic metre (m³).

Every business has its own unique energy needs, even with an ES of \$0.23 per cubic metre (m³), and fixed monthly customer charge of \$79.65, most commercial customers can expect significant savings each year compared to electricity, oil and propane.

Want to know how much your business could potentially save by switching?

Contact ceapplications@enbridge.com for a free estimate. Our energy solutions experts are here to help, at no cost to you.

Name (please print)

Business name (please print)

Address (please print)

Email address (please print)

Phone number (please print)

I am authorized to sign on behalf of the business named above. By signing this, I acknowledge that I am aware of the Expansion Surcharge.

Signature

Date (please print)


* The surcharge will transfer to subsequent owners of your property.






Questions? We're here for you.

Contact one of our Community Expansion Advisors:

ceapplications@enbridge.com

 enbridgegas.com/savewithgas

 Community Expansion: 1-833-356-2689

Search enbridgegas to connect with us     



Natural gas is now available in your community

Please review, then fill in the required information below, sign and date this form and send it back to us in the way most convenient for you. Please keep one copy for your files.

Expansion Surcharge—what to expect

It takes significant investment to build the infrastructure to bring natural gas to your community. The Expansion Surcharge (ES) provides lower upfront costs to customers by spreading them out over time.*

The ES is based on the building's consumption, and will fluctuate on the natural gas consumed. The ES is \$0.23 per cubic metre (m³).

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Name (please print)

Business name (please print)

Address (please print)

Email address (please print)

Phone number (please print)

I am authorized to sign on behalf of the business named above. By signing this, I acknowledge that I am aware of the Expansion Surcharge.

Signature

Date (please print)

* The surcharge will transfer to subsequent owners of your property.

Questions? We're here for you.

Contact one of our Community Expansion Advisors:

ceapplications@enbridge.com



enbridgegas.com/savewithgas



Community Expansion: 1-833-356-2689

Search enbridgegas to connect with us



ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Reference: Exhibit E, Tab 1

Question(s):

- a) Please provide the details of the IESO heat pump subsidy program.
- b) Does the IESO's heat pump subsidy program apply in the project area (and if yes, what percent of the area).
- c) Please provide the latest data on: (i) the number of customers with electric resistance heating in the project area (i.e. along the proposed new pipes), (ii) the percent of customers in the project area with electric resistance heating, (iii) the percent of customers who responded to the customer connection survey indicating that they are likely to connect to the gas system that have electric resistance heating, and (iv) how many customers with electric resistance heating that Enbridge anticipates connecting.
- d) Please provide the latest data on: (i) the number of customers with electric heat pump heating in the project area (i.e. along the proposed new pipes), (ii) the percent of customers in the project area with electric heat pump heating, (iii) the percent of customers who responded to the customer connection survey indicating that they are likely to connect to the gas system that have electric heat pump heating, and (iv) how many customers with electric heat pump heating that Enbridge anticipates connecting.

Response:

a - b)

As a natural gas utility Enbridge Gas is not in a position to provide information regarding electricity subsidies or related support programs which the Company does not administer. The Company understands that information regarding heat pump

subsidy programs provided by the IESO are publicly available online at the links below:

- <https://www.saveonenergy.ca/For-Your-Home/HomeEnergySaver>
- <https://saveonenergy.ca/For-Your-Home/Energy-Affordability-Program>

c)

- i. The latest information regarding energy sources used in the project area is the Forum Research survey. The results of this survey can be found in the report filed at Exhibit B, Tab 1, Schedule 1, Attachment 4. 7% of respondents identified having electric baseboards or an electric furnace as their primary heating source (page 3, table 1). These results estimate 7% of the 448 homes within the project area have electric resistance heating as their primary heating source, with an associated margin of error. Enbridge Gas cautions that the number of respondents with electric resistance heating that responded to the survey is low and this limits the ability to draw conclusions about the broader area on this matter.
- ii. See the response to c) (i) above.
- iii. This information is available at Exhibit B, Tab 1, Schedule 1, Attachment 4, page 3, table 2.
- iv. Enbridge Gas does not forecast attachments by incumbent fuel source.

d)

- i. The latest information regarding energy sources used in the project area is the Forum Research survey. The results of this survey can be found in the report filed at Exhibit B, Tab 1, Schedule 1, Attachment 4. 6% of respondents identified having an electric air source heat pump as their primary heating source and 8% identified having a ground source heat pump (page 3, table 1). These results estimate 14% of the 448 homes within the project area have an electric air source heat pump as their primary heating source, with an associated margin of error. Enbridge Gas cautions that the number of respondents with heat pumps that responded to the survey is low and this limits the ability to draw conclusions about the broader area on this matter.

- ii. See the response to d) (i) above.
- iii. This information is available at Exhibit B, Tab 1, Schedule 1, Attachment 4, page 3, table 2.
- iv. Enbridge Gas does not forecast attachments by incumbent fuel source.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Reference: Exhibit E, Tab 1

Question(s):

- a) Please provide a detailed description of how Enbridge calculates normalized reinforcement costs for projects where such costs are accounted for. Please include any internal guides or documents describing the calculations.
- b) Please provide a list of all reinforcement projects that have occurred upstream of the project area over the past decade, including the location, the size of the capacity increase, and the cost.
- c) Please provide a list of all reinforcement projects that are included in Enbridge's AMP upstream of the project area over the past decade, including the location, the size of the capacity increase, and the cost.
- d) Please provide a table showing the peak hour and peak day demand each gas expansion project area under the NGEP program and the total for all, each year from 2020 to 2030.

Response:

- a) The Company respectfully declines to respond to this question, as normalized reinforcement costs are not applicable or relevant to community expansion (CE) projects. Please see the response to Exhibit I.ED-22 parts a – c) and h). If reinforcement is necessary, it will be incorporated directly into the costs of the relevant CE project.
- b – c)
The Company respectfully declines to respond to the requests, as providing the list of projects for the past 10 years on a far-reaching system and quantifying the capacity created would be highly onerous and not relevant to the OEB's

consideration of issues the regarding current Project. Please see the response to Exhibit I.FRPO-1 for a map of existing high pressure pipelines in the Project area, and Exhibit I.FRPO-2 and Exhibit I.PP-1 part e) for details of the surrounding system capacity to support the Project.

- d) Enbridge Gas respectfully declines to provide the values requested in the interrogatory for all CE projects. The request is considered out of scope for this application, because each project is modelled individually, and the projects are not physically connected to the same pipeline networks. The information sought requires onerous efforts and would not enhance the understanding of the East Gwillimbury Project.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Environmental Defence (ED)

Interrogatory

Reference:

Reference: Exhibit E, Tab 1

Question(s):

- a) Does Enbridge have a copy of the Cost Effective Energy Pathways Study for Ontario, a draft of the report, or a presentation summarizing the conclusions? If yes, please provide a copy and comment on how the report conclusions may or may not be relevant to the risk of customers in the project area leaving the gas system before the end of the 40-year revenue horizon.
- b) Does Enbridge have a copy of a draft or a summary of a draft of Ontario's forthcoming Natural Gas Policy Statement? If yes, please provide a copy and comment on how the policy may or may not be relevant to the risk of customers in the project area leaving the gas system before the end of the 40-year revenue horizon.

Response:

a - b)

Enbridge Gas does not have copies, draft or otherwise, of the documents requested.

ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit A, Tab 2, Schedule 1, Attachment 1
Exhibit B, Tab 1, Schedule 1, Pages 1-2 and 7, Table 2
AND EB-2022-0081 Natural Gas Facilities Handbook, p. 32-33

Preamble:

We would like to understand the assessment of the project need and alternatives considered in this application. The referenced pages of the Natural Gas Facilities Handbook provide the Board's expectation for information to be filed in respect of Project Need and Alternatives. The content of the application does not provide the reader with the necessary understanding to determine the appropriateness of the sizing proposed in this application. In the above references, the number of customers, their forecasted load and location are not provided in conjunction with the existing and proposed assets to provide sufficient system pressure to feed the forecasted customers. Without this information, no one, including the Board can determine if the proposed facilities are appropriate.

We are particularly interested in proposed assets in the area bounded by Woodbine Ave., Ravenshoe Rd., York Durham Line and Mount Albert Rd. In order to have the critical data and information for this assessment, we request the following information:

Question(s):

Please provide a high-pressure main map that includes:

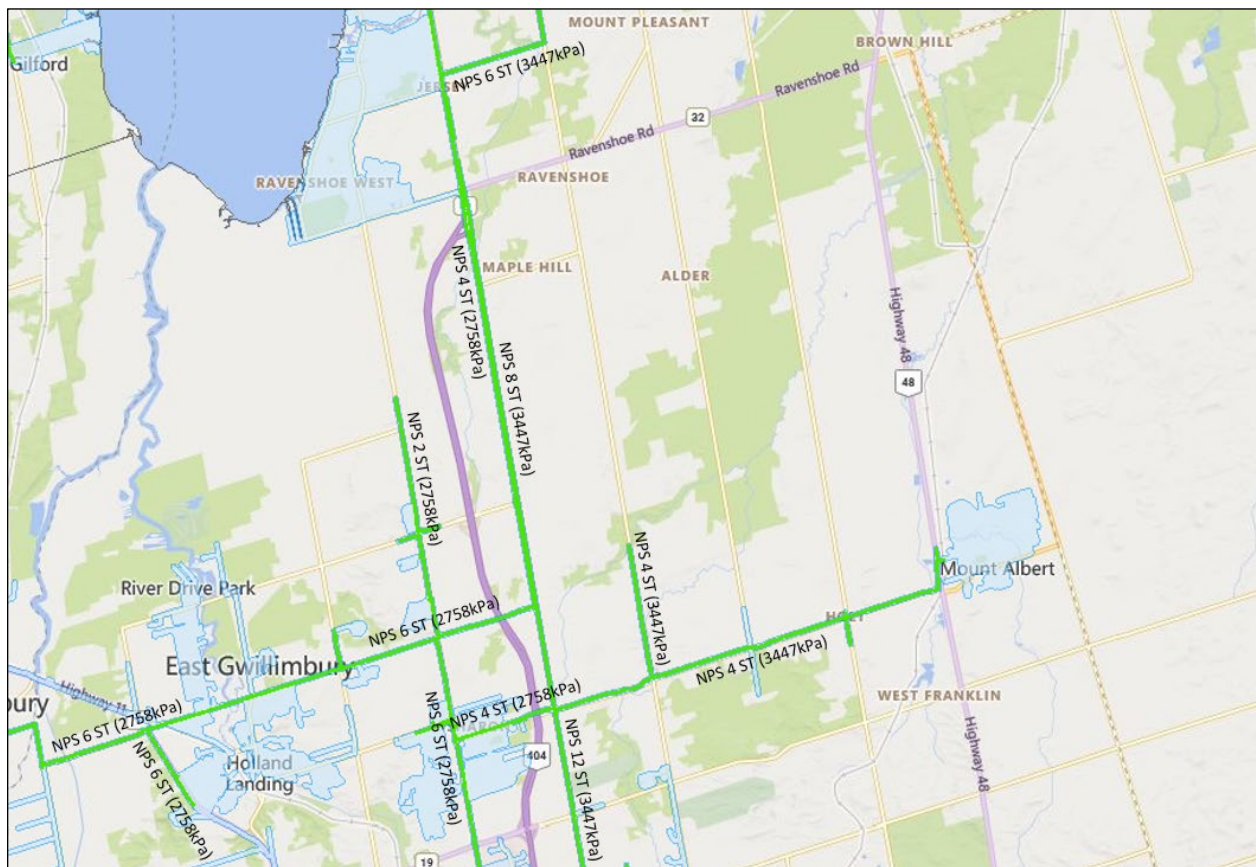
- a) all high-pressure pipelines (greater than 440kPa) in the map area shown in the East Gwillimbury Community Expansion Project ("EGCEP") in the referenced Attachment 1
- b) the size of the high-pressure pipes
- c) the maximum and minimum operating pressure of the pipelines in the system

Response:

a – c)

Please refer to Figure 1 for a map of existing high-pressure pipelines (greater than 440 kPa) in the Project area, including pipe size and maximum operating pressure. The minimum system pressure of these pipelines is 690 kPa.

Figure 1: High Pressure Pipelines in the Project Area



ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit A, Tab 2, Schedule 1, Attachment 1
Exhibit B, Tab 1, Schedule 1, Pages 1-2 and 7, Table 2
AND EB-2022-0081 Natural Gas Facilities Handbook, p. 32-33

Preamble:

We would like to understand the assessment of the project need and alternatives considered in this application. The referenced pages of the Natural Gas Facilities Handbook provide the Board's expectation for information to filed in respect of Project Need and Alternatives. The content of the application does not provide the reader with the necessary understanding to determine the appropriateness of the sizing proposed in this application. In the above references, the number of customers, their forecasted load and location are not provided in conjunction with the existing and proposed assets to provide sufficient system pressure to feed the forecasted customers. Without this information, no one, including the Board can determine if the proposed facilities are appropriate.

We are particularly interested in proposed assets in the area bounded by Woodbine Ave., Ravenshoe Rd., York Durham Line and Mount Albert Rd. In order to have the critical data and information for this assessment, we request the following information:

Question(s):

For the high-pressure system(s) shown in these maps that are proposed to provide service to proposed piping, please provide:

- a) The results of the winter peak simulation for the high-pressure system for the winter of 2023/24 providing:
- i) the set pressure and design hour flow at the outlet of the station(s) feeding the system(s)

ii) the pressure at the low point of the system(s)

Response:

a) i) There are two high-pressure (greater than 440 kPa) pipeline systems in the map area: 3,447 kPa system and 2,758 kPa system. During winter peak system analysis, the station feeding the 3,447 kPa system is set at 3,447 kPa and its design hourly flow is 95,990 m³/hr.

The 2,758 kPa system services a large area and is fed from 10 stations. Please refer to Table 1 for station set pressures and design hour flows during winter peak.

Table 1: Station Pressures and Flows

Station Name	Set Pressure (kPa)	Design Flow (sm ³ /hr)
[REDACTED]	2,758	136,656
[REDACTED]	2,758	149,060
[REDACTED]	2,758	21,220
[REDACTED]	2,758	30,459
[REDACTED]	2,620	9,458
[REDACTED]	2,344	10,148
[REDACTED]	1,896	9,267
[REDACTED]	1,896	9,277
[REDACTED]	1,896	9,008
[REDACTED]	1,896	17,227

ii) The pressure at the low point of the systems (greater than 440 kPa) for 2023/24 winter peak analysis are:

- 2,240 kPa in the 3,447 kPa system
- 1,380 kPa in the 2,758 kPa system

ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit A, Tab 2, Schedule 1, Attachment 1
Exhibit B, Tab 1, Schedule 1, Pages 1-2 and 7, Table 2
AND EB-2022-0081 Natural Gas Facilities Handbook, p. 32-33

Preamble:

We would like to understand the assessment of the project need and alternatives considered in this application. The referenced pages of the Natural Gas Facilities Handbook provide the Board's expectation for information to be filed in respect of Project Need and Alternatives. The content of the application does not provide the reader with the necessary understanding to determine the appropriateness of the sizing proposed in this application. In the above references, the number of customers, their forecasted load and location are not provided in conjunction with the existing and proposed assets to provide sufficient system pressure to feed the forecasted customers. Without this information, no one, including the Board can determine if the proposed facilities are appropriate.

We are particularly interested in proposed assets in the area bounded by Woodbine Ave., Ravenshoe Rd., York Durham Line and Mount Albert Rd. In order to have the critical data and information for this assessment, we request the following information:

Question(s):

Please provide a map of the proposed stations and pipelines to be added to the pipeline systems ensuring that those the following information for these assets.

a) Pipelines are identified by:

- i) Size
- ii) Material
- iii) Maximum operating pressure

b) Stations are identified by:

- i) Minimum design inlet
- ii) Station design capacity with an outlet pressure of 440kPa

Response:

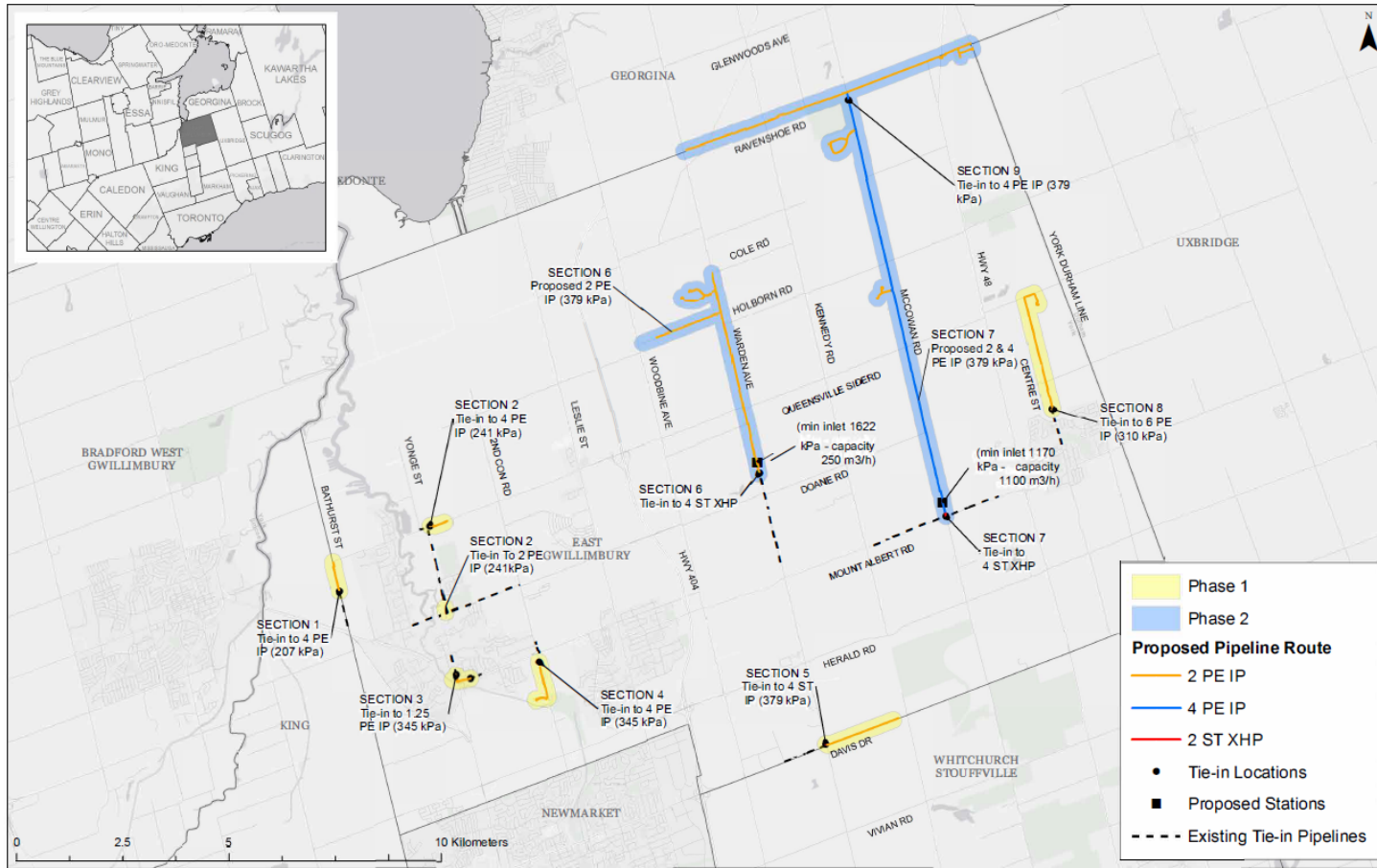
a – b)

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the Project Map has been updated from Enbridge Gas's pre-filed evidence at Exhibit A, Tab 2, Schedule 1, Attachment 1.

Please refer to Figure 1 for the proposed stations and pipes to be added to the pipeline systems for the Project. Pipe size, material and maximum operating pressures, and station minimum design inlet and station design capacities are labeled in Figure 1. Station design capacities are based on outlet pressure of 379 kPa.

Figure 1: Project Map including Pipe and Station Specifications

East Gwillimbury Community Expansion Project



Last Updated: 8/21/2024



ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit A, Tab 2, Schedule 1, Attachment 1
Exhibit B, Tab 1, Schedule 1, Pages 1-2 and 7, Table 2
AND EB-2022-0081 Natural Gas Facilities Handbook, p. 32-33

Preamble:

We would like to understand the assessment of the project need and alternatives considered in this application. The referenced pages of the Natural Gas Facilities Handbook provide the Board's expectation for information to be filed in respect of Project Need and Alternatives. The content of the application does not provide the reader with the necessary understanding to determine the appropriateness of the sizing proposed in this application. In the above references, the number of customers, their forecasted load and location are not provided in conjunction with the existing and proposed assets to provide sufficient system pressure to feed the forecasted customers. Without this information, no one, including the Board can determine if the proposed facilities are appropriate.

We are particularly interested in proposed assets in the area bounded by Woodbine Ave., Ravenshoe Rd., York Durham Line and Mount Albert Rd. In order to have the critical data and information for this assessment, we request the following information:

Question(s):

For each respective segment of pipe proposed, please provide:

- a) the forecasted customers by customer type as defined in Table 2
- b) the forecasted design day hourly load by customer type at the end of the 10-year forecast
- c) the outlet pressure at low point of on the pipeline at the end of the 10-year forecast
- d) the remaining capacity at that location using a minimum pressure of 210 kPa at the end of the 10-year forecast

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the forecasted customer attachments for the Project have been updated from Enbridge Gas's pre-filed evidence at Exhibit B, Tab 1, Schedule 1, Table 2. The forecasted customer attachments have been updated from 369 to 263 total forecasted customers.

a) Please refer to Table 1 below:

Table 1: Forecasted Customers by Customer Type

Pipeline Section	1	2	3	4	5	6	7	8	9	Total Forecast
Residential	12	10	14	14	3	54	78	19	34	238
Agricultural						1	5			6
Commercial/Industrial	1	0	1	0	3	4	3	2	5	19
Total	13	10	15	14	6	59	86	21	39	263

b) Please refer to Table 2 below:

Table 2: Forecasted Design Day Hourly Load by Customer Type at the End of the 10-year Forecast

Pipeline Section	1	2	3	4	5	6	7	8	9
Residential Load (m ³ /h)	13	11	15	15	3	59	86	21	37
Agricultural Load (m ³ /h)						50	781		
Commercial/Industrial Load (m ³ /h)	5		5		150	65	101	55	110
Total Design Load (m³/h)	18	11	20	15	153	174	968	76	147

c - d) Please refer to Table 3 below:

Table 3: Outlet Pressure at the Low Point of Each Section at the End of 10-year Forecast and the Remaining Capacity at that Location Using a Minimum Pressure of 210 kPa

Pipeline Section	1	2	3	4	5	6	7	8	9
Outlet Pressures at Low Points After 10 Years (kPa)	200	70	295	295	350	250	225	285	225
Remaining Capacity (m ³ /h)	-	-	375	250	210	30	45	100	45

Note: Sections 1 and 2 would need more pipelines to maintain 210 kPa minimum pressure. Section 7 and section 9 are within one system therefore their remaining capacity and low pressure are the same.

ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1 including Table 1

Preamble:

From Table 1, we calculate that the estimate for Outside Services accounts for approximately 28% of the pre-contingency total estimate for the project. However, we cannot find any additional information as to the nature of these outside services, their necessity and how EGI would exert cost control over these services. We would like to understand this category.

Question(s):

Please describe these services and provide a breakdown of the individual components of the services.

- a) Please provide a cost estimate for these services at the component level and identify the source of the estimate.
- i) In the cost estimate of this breakdown, please note if contingency is added to any individual components or in aggregate of the sub-total of outside services.

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the estimate Project costs have been updated from Enbridge Gas's pre-filed evidence at Exhibit E, Tab 1, Schedule 1, Table 1. Outside Services are estimated to cost approximately \$3 million.

- a) The individual component costs making up the total of Outside Services are provided in Table 1 below. Estimates are compiled based on a combination of unit rates from similar work on comparable projects as well as estimates from third party contractors.

Table 1: Cost Breakdown of Outside Services

Item No.	Component / Task	Description of Services	Cost Estimate (\$000's)
1.0	Topographical Survey	Topographical data, SUE data, construction staking activities.	656
2.0	Environmental Assessment & Screenings	Environmental screenings and assessments to prepare Environmental Report (ER), including studies completed as a result of the findings in the ER.	901
3.0	Geotechnical & Hydrogeological Investigation	Subsurface investigations including geotechnical and hydrogeological investigations, and/or test digs.	300
4.0	Regulatory LTC Costs	LTC application fees including intervenor, OEB and legal costs.	71
5.0	Consultation	Consultation with various third parties including Municipalities, Indigenous communities, interested community groups, Market Research etc.	153
6.0	Community Outreach	Customer Kiosk, Open Houses, HVAC Outreach, door to door site visits.	551
7.0	Inspection	Construction/ pipeline Inspector and Environmental Inspector fees, and NDE	425
8.0	Total Outside Services		3,059

- i) Contingency is added as an aggregate of the Total Project Cost excluding IDC. It is not added to any individual component or in aggregate of the Outside Services costs only.

ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1 including Table 1

Preamble:

From Table 1, we calculate that the estimate for Outside Services accounts for approximately 28% of the pre-contingency total estimate for the project. However, we cannot find any additional information as to the nature of these outside services, their necessity and how EGI would exert cost control over these services. We would like to understand this category.

Question(s):

For each project applied for in this Phase 2 of the Ontario Regulation 24/19 new community expansion projects (e.g. Selwyn, Bobcaygeon, etc.), please provide in a tabular format:

- a) The amount estimated for Outside Services in the application
 - i) As a dollar amount
 - ii) As a percentage of the pre-contingency total estimate
- b) The amount currently estimated
- c) For each of the projects, please provide and describe if there are any additional types of Outside Service components than were identified in answer to question 5

Response:

- a) Outside Services costs for Phase 2 community expansion projects are provided in Table 1.

Table 1: Outside Service Costs per Project

Project Location	Outside Services as a dollar amount (\$) - <u>without contingency</u>	Outside Services as a percentage of the pre-contingency total estimate
Haldimand Shores	\$ 666,963	19.25%
Selwyn	\$ 560,325	13.98%
Hidden Valley	\$ 542,959	17.94%
Mohawks of the Bay of Quinte	\$ 1,179,290	12.40%
Bobcaygeon	\$ 12,726,929	12.22%
Sandford	\$ 1,307,731	20.25%
Neustadt	\$ 1,383,202	19.66%
Eganville	\$ 5,465,153	17.24%
Boblo Island	\$ 1,353,734	28.88%
Cherry Valley	\$ 1,067,950	17.52%
East Gwillimbury	\$ 3,059,290	26.51%

Note: Based on Enbridge Gas's evidence update filed August 30, 2024, the outside services found at Exhibit E, Tab 1, Schedule 1, Table 1 account for 24% of the Project costs.

- b) Enbridge Gas respectfully declines to provide current cost estimates for each Phase 2 community expansion project listed in Table 1 as each project is at a different stage of the project lifecycle and therefore the cost estimates are not comparable. Cost estimates were presented in the leave-to-construct applications for each of the respective projects.
- c) Outside Services comprises costs including but not limited to environmental assessments, engineering and design, consultation and community outreach, and inspection services as described in Exhibit I.FRPO.5. Outside Service costs are determined based on multiple factors such as the scope and geographical location of a project, and are derived from a combination of contractor estimates and unit rates.

ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1 including Table 1

Preamble:

From Table 1, we calculate that the estimate for Outside Services accounts for approximately 28% of the pre-contingency total estimate for the project. However, we cannot find any additional information as to the nature of these outside services, their necessity and how EGI would exert cost control over these services. We would like to understand this category.

Question(s):

For each project applied for in this Phase 2 of the new community expansion projects (e.g. Selwyn, Bobcaygeon, etc.) including East Gwillimbury, please provide in a tabular format:

- a) The percentage contribution of the revenue from customer gas charges to the overall cost of the project
- b) The percentage contribution of the System Expansion Surcharge (SES) to the overall cost of the project
- c) The percentage contribution of Ontario regulation 24/19 funding to the overall cost of the project

Response:

a - c)

All three inquiries fall outside the standard criteria used by the OEB for evaluating projects. Specifically, the ratios queried are irrelevant to determining the overall feasibility, as the profitability index is the applicable measure of cost-benefit. Consequently, the Company declines to provide a response.

ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit E, Tab 1, Schedule 1 including Table 1

Preamble:

A technique to understand the level of risk in outcomes for forecasting is sensitivity analysis. While there is no specific evidence as to the range of error associated with forecast vs. actual customer attachments over a 10-year period, a common practice is to use a standard percentage, such as 20%, to estimate the impact of change in forecast on outcomes. To inform the Board appropriately on the recovery risks at the end of the Rate Stability Period ("RSP"), we would like to understand the risk at a 20% range of variance.

Question(s):

Please provide the PI and resulting NPV of the net streams if:

- a) The actual number of attachments for all classes of customers is increased by 20% in every year
- b) The actual number of attachments for all classes of customers is decreased by 20% in every year

Response:

a - b)

The Company respectfully declines to provide the requested information. The attachment scenario suggested by FRPO is arbitrary and has no basis and can result in oversimplified conclusions, as any adjustments made to the attachment forecast would result in other Project components/scope being reassessed/adjusted accordingly. The Company cautions against drawing conclusions based on selective modifications to components of the proposed Project, such as attachment forecasts, without consideration of all Project components in a holistic manner.

ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit A, Tab 2, Schedule 1, Attachment 1
Exhibit B, Tab 1, Schedule 1, Pages 1-2 and 7, Table 2
Exhibit E, Tab 1, Schedule 1 including Table 1
EB-2022-0081 Natural Gas Facilities Handbook, p. 32-33

Preamble:

We would like to understand the assessment of the project need and alternatives considered in this application. The referenced pages of the Natural Gas Facilities Handbook provide the Board's expectation for information to be filed in respect of Project Need and Alternatives. The content of the application does not provide the reader with the necessary understanding to determine the appropriateness of the sizing proposed in this application. In the above references, the number of customers, their forecasted load and location are not provided in conjunction with the existing and proposed assets to provide sufficient system pressure to feed the forecasted customers. Without this information, no one, including the Board can determine if the proposed facilities are appropriate.

In addition to the questions asked in 2024-03-18 interrogatories

Question(s):

Please provide in Excel format, for each of the ten years, for each segment, the annual and peak hourly demand forecasted for that segment for the original application and the updated application.

Response:

Please refer to the tables below for the forecasted peak hourly and annual demand for each of the ten years, for each section in the original and the updated application.

Table 1-1: Original Application – Peak Hourly Demand (m³/h)

	Year									
	1	2	3	4	5	6	7	8	9	10
Section 1	3	9	11	12	13	14	15	16	17	18
Section 2	2	4	7	9	11	11	11	11	11	11
Section 3	3	11	13	14	15	16	17	18	19	20
Section 4	6	9	12	14	17	18	19	20	21	22
Section 5	2	153	154	156	157	157	157	157	157	157
Section 6	22	90	163	172	181	185	190	194	199	203
Section 7	131	529	548	566	578	584	591	597	604	611
Section 8	8	13	68	76	79	81	84	86	88	89
Section 9	65	74	108	139	154	157	161	164	167	171

Table 1-2: Original Application – Annual Demand (m³)

	Year									
	1	2	3	4	5	6	7	8	9	10
Section 1	7623	12484	15025	17566	20107	22647	25188	27729	30270	32811
Section 2	5082	10164	15246	20327	25409	25409	25409	25409	25409	25409
Section 3	7623	15025	20107	22647	25188	27729	30270	32811	35352	37893
Section 4	12705	20327	27950	33032	38114	40655	43196	45737	48278	50819
Section 5	5082	161551	164092	166633	169174	169174	169174	169174	169174	169174
Section 6	50819	93630	138761	159088	179416	189580	199743	209907	220071	230234
Section 7	324879	477860	523597	553867	581817	597063	612308	627554	642799	658045
Section 8	17787	30491	50655	60598	68220	73302	78384	83466	88548	91089
Section 9	135573	155900	181228	198933	216277	223900	231523	239146	246768	254391

Table 2-1: Updated Application – Peak Hourly Demand (m³/h)

	Year									
	1	2	3	4	5	6	7	8	9	10
Section 1	3	9	11	12	13	14	15	16	17	18
Section 2	2	4	7	9	11	11	11	11	11	11
Section 3	3	11	13	14	15	16	17	18	19	20
Section 4	3	6	8	9	10	11	12	13	14	15
Section 5	1	152	153	153	153	153	153	153	153	153
Section 6	14	78	147	152	158	161	165	168	171	174
Section 7	46	915	929	942	951	954	958	961	964	968

Section 8	4	8	61	68	70	72	73	74	75	76
Section 9	59	64	95	123	136	139	141	143	145	147

Table 2-2: Updated Application – Annual Demand (m³)

	Year									
	1	2	3	4	5	6	7	8	9	10
Section 1	7306	12061	14496	16932	19367	21802	24238	26673	29108	31544
Section 2	4871	9741	14612	19482	24353	24353	24353	24353	24353	24353
Section 3	7306	14496	19367	21802	24238	26673	29108	31544	33979	36414
Section 4	7306	12176	17047	19482	21918	24353	26788	29224	31659	34094
Section 5	2435	158799	161234	161234	161234	161234	161234	161234	161234	161234
Section 6	31659	63461	97584	109760	121936	129242	136548	143854	151160	158466
Section 7	309745	446212	475436	497238	516721	524026	531332	538638	545944	553250
Section 8	9741	17047	34353	41544	46414	48849	51285	53720	56155	58591
Section 9	119482	131659	148835	161141	173087	177958	182828	187699	192569	197440

ENBRIDGE GAS INC.

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

Interrogatory

Reference:

Exhibit A, Tab 2, Schedule 1, Attachment 1
Exhibit B, Tab 1, Schedule 1, Pages 1-2 and 7, Table 2
Exhibit E, Tab 1, Schedule 1 including Table 1
EB-2022-0081 Natural Gas Facilities Handbook, p. 32-33

Preamble:

From Table 1, we calculate that the estimate for Outside Services accounts for approximately 28% of the pre-contingency total estimate for the project. However, we cannot find any additional information as to the nature of these outside services, their necessity and how EGI would exert cost control over these services. We would like to understand this category.

In round numbers, the forecasted customers are down at little less than 30% and the project costs are down a little more than 10% while the contribution needed from NGEF is down about 27%.

Question(s):

Please explain how the changes in the updated application have resulted in a much lower NGEF contribution.

Response:

The changes in Enbridge Gas's evidence update filed August 30, 2024 have not resulted in a lower NGEF contribution. The original funding amount of \$8,373,365¹ is required to maintain feasibility. See Exhibit I.PP-18 for additional details on the NGEF funding for the Project.

¹ Exhibit E, Tab 1, Schedule 1, p. 3, para. 9.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

[B/1/1] Enbridge indicates that the scope of Project includes two Phases including 9 Sections.

Question(s):

- a) Please explain why a two-phase approach was determined as best for this project.
- b) Please explain the impact if only one phase was approved in this proceeding.
- c) Please confirm that there are 7 distinct (separate and not connected per project map) areas of pipeline and/or services combined to make up this project. If not correct, please confirm the right number of distinct areas.
- d) Please indicate how many customers (residential, C/I, agricultural) are proposed to be served via each of the 9 segments and how many customers (residential, C/I, agricultural) would be impacted if each segment was not built.
- e) Please explain what extra capacity exists in the surrounding distribution and transmission system to support peak capacity for the additional customers forecasted.

Response:

- a) Phases are based on size, complexity, material requirements, and location. Phase 2 requires more critical, long-lead materials associated with the proposed stations in Sections 6 and 7. More complex watercourse crossing designs and permitting requirements are associated with these sections. Due to the complexity associated with these Phase 2 sections, Enbridge Gas anticipates being ready to construct Phase 1 prior to Phase 2 and therefore has planned the Project in two phases to better manage execution resources and increase efficiencies.

- b) Enbridge Gas requires OEB approval for both phases for the Project to be economically feasible.
- c) There are 8 distinct (separate and not connected) sections of proposed natural gas pipeline to serve new areas. Only Sections 7 and 9 are connected.
- d) Please refer to the response at Exhibit I.FRPO-4 part a).
- e) There is enough capacity in the surrounding distribution and transmission system to support peak capacity for the additional customers forecasted except for Section 2. Reinforcement of Section 2¹ was designed to the minimum required to support the peak capacity of the forecasted customers.

¹ Approximately 80 m of Nominal Pipe Size 4-inch polyethylene natural gas pipeline on Yonge St. north of Doane Rd.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

Based on the scattered distribution of customer connections (per maps filed by Enbridge), this project appears to be an in-fill project rather than a system expansion project.

- a) Please confirm this is an infill project and if not, please explain.
- b) Please describe how EBO 188 or other OEB guidelines/decisions treat an infill project vs. a system expansion project.
- c) If this is just a collection of infill customers, please explain why Enbridge bundled it into a broader project.
- d) Please provide the estimated costs for each discrete portion of the project (i.e. the 7 areas per the project map that are not connected to each other).
- e) If the attachments were just done individually as infill projects, would Enbridge need Leave to Construct approval? If no, please explain the benefit of grouping them in a manner that requires Leave to Construct approval.

Response:

a – c) and e)

Not confirmed. The Project customers are not infills. The Project as a whole is a community expansion (CE) that has been identified to receive NGEF Phase 2 funding support and as such is appropriate to bundle in a Leave to Construct application. Infill customers do not require a main extension – they are located in front of an existing main and require a service lateral to get a gas connection. Infill customers are connected at no cost if the length of their service is less than a certain threshold (currently 20 metres). CE projects on the other hand are subject to an economic feasibility assessment using the OEB's E.B.O 188 guidelines and other OEB decisions including EB-2016-0004 and EB-2020-0094. CE projects may use System Expansion Surcharge (SES) and government grant (if authorized) as

additional financial support to improve project feasibility to extend the natural gas main to new areas and support service connections.

- d) Please see Table 1 for cost estimates for the design and execution of the mains and stations (if required) for each section, excluding forecasted service connections, and IDC.

Table 1: Estimated Project Costs by Section

Section	Costs (\$CAD)
1	1,115,692
2	570,018
3	563,369
4	629,492
5	731,847
6	1,952,288
7	3,274,586
8	820,575
9	1,444,857
Total	11,102,726
Phase 1	4,430,994
Phase 2	6,671,732

Note: Sections 7 and 9 are connected.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

Enbridge Gas has discussed the proposed Project with the Town of East Gwillimbury since 2020. The Town of East Gwillimbury first formally identified its support for the Project in a letter dated June 4, 2020, included as Attachment 2. The Town of East Gwillimbury has emphasized their support for the Project through a second letter of support, dated November 15, 2023, included as Attachment 3. [B/1/1]

Question(s):

- a) Please confirm that Enbridge provided the information (or template) in the most recent (or both) letter(s) from the Town of East Gwillimbury in support of the project.
- b) Please provide a copy of all correspondence from Enbridge to the Town of East Gwillimbury in the past nine months (all correspondence that is not already include in the evidence filed by Enbridge).

Response:

- a) Enbridge Gas reached out to all municipalities across Ontario in 2020 to advise of the launch of the Natural Gas Expansion Program. That outreach included a sample letter of project submission support for consideration by the municipalities. Please see Attachment 1 for the February 2020 outreach to the Town of East Gwillimbury. Enbridge Gas presented a project update to the Town of East Gwillimbury Council regarding the Leave to Construct application filing in November 2023. As part of the presentation materials submitted, a sample letter of support was included for Council consideration. Please see Attachment 2 for the sample letter of support provided to the Town of East Gwillimbury.
- b) Please see response at Exhibit I.ED-2, Attachment 1.

From: [Rosemary Caines](#)
To: vhackson@eastgwillimbury.ca
Cc: [Steve McGivery](#); [Mark Wilson](#)
Subject: Natural Gas Expansion Program
Date: Thursday, February 20, 2020 2:53:19 PM
Attachments: [Sample Support Letter.pdf](#)
[Anticipated Submission Requirements.pdf](#)
[Town of East Gwillimbury.pdf](#)

Greetings,

In December 2019, the Government of Ontario announced its plans to further increase access to natural gas by making financial support available for new expansion projects. The Government's Natural Gas Expansion Program offers an opportunity to drive economic development and enhance the quality of life and prosperity of families and businesses across Ontario.

As a Regional Director for Enbridge Gas Inc. in your area, I'm writing to provide an update on next steps, and how we can work together to bring natural gas to unserved communities in Ontario. Please find a few items with additional details on the program, our approach, and our anticipated project submission requirements attached to this email.

Please be in touch with us if you have a project in your communities that you would like to put forward for consideration for submission.

With thanks,

Rosemary Caines

Administrative Assistant
On behalf of Steve McGivery - Director
GTA East Operations

—

ENBRIDGE GAS INC.

TEL: 905-927-3273 | FAX: 905-927-3292 | CELL: 416-902-7459
Technology & Operations Centre
101 Honda Blvd. Markham, Ontario L6C 0M6

enbridgegas.com

Safety. Integrity. Respect.

June 2020

Dear *REGIONAL DIRECTOR*,

Re: Expression of Support for Natural Gas Expansion to *MUNICIPALITY/PROJECT NAME*

In December 2019, the Government of Ontario announced plans to further increase access to natural gas by making financial support available for new service expansion projects. This Natural Gas Expansion Program will unlock financial support needed to expand natural gas service to new areas across Ontario that are not economically feasible without support. Our municipality is one such area, and we are eager to bring this affordable, reliable fuel source to our residents and businesses.

On behalf of *MUNICIPALITY*, I would like to formally express our interest to have *PROJECT NAME* included on Enbridge Gas' list of projects being proposed to the Ontario Energy Board (OEB) for consideration for financial support through the Natural Gas Expansion Program.

Based on the draft Guidelines issued by the OEB (EB-2019-0255), we are aware that Enbridge Gas Inc. may be required to include support for the proposed project from Band Council(s) and/or local government, as applicable, demonstrated through a written expression of support and/or a commitment to financial support in its project submissions.

Natural gas is the most common, affordable heating fuel in Ontario. We fully support the efforts of Enbridge Gas Inc., the OEB and the Ministry of Energy, Northern Development and Mines. We look forward to working together to expand natural gas access in our community to attract new opportunities, help create jobs and lower monthly costs for our residents.

Sincerely,

Name

Title

Municipality Name

Contact Information

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

Exhibit A, Tab 2, Schedule 1, Attachment 1, Attachment 2 and Attachment 3.

Question(s):

- a) Please describe the “existing tie-in pipelines”
- b) Please provide labels and/or colour coding on the Project map to indicate which segments are NPS 2 PE, NPS 4 PE, NPS 4 ST and which are Phase 1 vs. Phase 2. Please also add the location of the Ancillary Facilities (i.e. the 2 stations proposed).
- c) The customer heat map in Attachments 2 and 3 do not appear to align with the proposed location of pipelines in Attachment A. Please explain and/or provide an overlay of the pipelines from Attachment A onto the heat maps in Appendix B and C.

Response:

As noted in the cover letter to Enbridge Gas’s evidence update filed August 30, 2024, the Project Map has been updated from Enbridge Gas’s pre-filed evidence at Exhibit A, Tab 2, Schedule 1, Attachment 1.

- a) “Existing tie-in pipelines” refers to gas mains already part of Enbridge Gas’s network to which the new gas pipelines proposed as part of this Project will connect.
- b) Please see the response to Exhibit I.FRPO.3.
- c) The referenced maps in Attachments 2 and 3 are geographical location maps of the Town of East Gwillimbury and the Township of King, representing the existing customer density of Enbridge Gas’s current service area.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

Please provide specific details on the number/type of customers, pipeline details and services related to the segment of the project located at Yonge Street and Queensville Sideroad.

Response:

At Yonge Street and Queensville Sideroad, there are 13 potential residential customers within scope, to be serviced by approximately 450 m of Nominal Pipe Size (NPS) 2-inch polyethylene (PE) natural gas main and an 80 m NPS 4 reinforcement extending north on Yonge St from the intersection of Yonge and Doane Rd West. Services are expected to be NPS 0.5-inch to NPS 1.0-inch PE; however, pipe sizes for services will depend on the applicant's total connected load requirements.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

Enbridge indicates that the project was reviewed and selected for a grant by the Government of Ontario under Phase 2 of the NGEF.

- a) Please provide a copy of the approvals from the Government of Ontario and the OEB for this Project, and please highlight the specific approvals and scope related to the project.
- b) Please identify any variances between the information in the NGEF application and the information in this application.
- c) Please confirm that NGEF approval for access to grant funding does not automatically provide Leave to Construct (or other required regulatory) approvals related to this project.
- d) Please provide any approvals received from the Government of Ontario and/or the OEB related to the proposed project.
- e) Is there a mandated timeframe under NGEF for completion of the proposed pipeline? If yes, please provide the relevant condition that dictates specific timing.
- f) Please confirm that Enbridge will not proceed with the project (or any of the discrete segments) without OEB Leave to Construct approval.

Response:

a, d)

Please see the following sources as indication of the Government of Ontario's decision to grant the Project NGEF funding and the OEB's assessment that the Project as proposed can be substantially implemented: (i) Schedule 2, Item 8 under O. Reg. 24/19 (Expansion of Natural Gas Distribution Systems)¹ and (ii) the OEB's EB-2019-0255 *Report to the Minister of Energy, Northern Development and Mines and to the Associate Minister of Energy*, page 12, Table 3, item No. 58.² Please see

¹ <https://www.ontario.ca/laws/regulation/190024>

² <https://www.oeb.ca/sites/default/files/OEB-Natural-Gas-Expansion-Report-to-Ministers-20201030.pdf>

Attachment 1 to the response at Exhibit I.STAFF-1 for the Project's NGEF proposal for scope information.

- b) Please see the response to Exhibit I.STAFF-10 and Exhibit I.STAFF-11.
- c) Confirmed.
- e) Please refer to section 2(2) O. Reg. 24/19: Expansion of Natural Gas Distribution Systems³ which states:

The following rules apply to any project listed in Column 1 of the Table to Schedule 2 that requires a Board order under section 96 of the Act granting leave to construct a hydrocarbon line:

1. If the gas distributor fails to apply for the Board order on or before December 31, 2025, investments in the project are no longer eligible to be qualifying investments.”

- f) Confirmed.

³ <https://www.ontario.ca/laws/regulation/190024>

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

Enbridge indicates that “76% of respondents indicated that they would be likely (extremely likely, very likely or likely) to convert to natural gas if it were made available. Of those likely to convert, approximately 82% indicated that they would convert within 1 year of natural gas service becoming available, 16% indicated they would convert within 1-2 years of natural gas service becoming available, and the remaining 3% would convert after 2 years or more of natural gas service becoming available”. [B/1/1]

Question(s):

Table 1 of the Forum Research Inc. Survey [B/1/1 Attachment 4, Page 3] indicates that At an aggregate level, only 32% are likely to replace their main heating system. Please explain the discrepancy between the expected 32% equipment change rate expected vs. the higher numbers Enbridge expects for equipment replacements.

Response:

Likelihood to convert the main heating system to natural gas in the next two years was not asked in the survey and cannot be derived from the results.

Likelihood to replace the main heating system in the next two years was gauged early in the survey without consideration for natural gas becoming available. The results therefore reflect replacement plans in absence of natural gas as an option (for example, plans to replace a propane furnace with no option to replace it with a natural gas alternative). Likelihood to connect to natural gas is based on a survey question that specifically gauged the likelihood to connect to natural gas if natural gas becomes available. Given that the availability of natural gas may impact replacement decisions, the results for these two questions are expected to differ.

The full text for these questions can be found in the survey instrument at Exhibit I.ED-7, Attachment 3. Likelihood to replace the main heating system in the next two years is based on responses to question “H3”. Likelihood to connect to natural gas is based on responses to question “New”.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

“Prior to being surveyed, respondents were given an Enbridge Gas brochure that outlined the benefits and costs (including the System Expansion Surcharge and Federal Carbon Pricing Program)”. [B/1/1 Attachment 4, Page 2] Please provide a copy of this brochure.

Response:

Please see Attachment 1 for a copy of the brochure.

Choose to pay less for energy

—
Save up to 65% each year
by switching to natural gas



Ready to cut energy bills in half?

Good news— natural gas is a convenient solution to help you save. This package will guide you through everything you need to know and the benefits of affordable, reliable natural gas.

Save up to 65 percent* each year

Compared to alternative heating sources like electric baseboard, propane or oil, switching to natural gas could save you on home and water heating costs year round.

Lower carbon emissions

Natural gas is cleaner than other fuels, such as propane and oil, and can help reduce your home's carbon footprint.

See how much you can save

Calculate your savings by visiting enbridgegas.com/savewithgas and finding your community page to use the calculator.

Ahmed Al-Amry

Ahmed Al-Amry
Supervisor, Community Expansion
Enbridge Gas

Get in touch any time

There are many alternatives to serve your energy needs. Visit Natural Resources Canada at tinyurl.com/y3k2nh8b to learn more about alternative technologies such as heat pumps. If you have questions, please contact one of our Community Expansion Advisors.

Community Expansion contacts:

Phone: 1-833-356-2689
Email: ceapplications@enbridge.com



* Natural gas prices are based on Rate 1 rates in effect as of April 1, 2023 and include the \$0.23 per m³ expansion surcharge. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of Jan. 1, 2023 and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). Electric cold climate air source heat pumps are available but not included in the savings calculations. The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Oil price is based on the latest available retail price. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. The federal carbon charge is included for all energy types based on the April 1, 2023 rate. The federal carbon charge is projected to increase annually from 2024 to 2030.

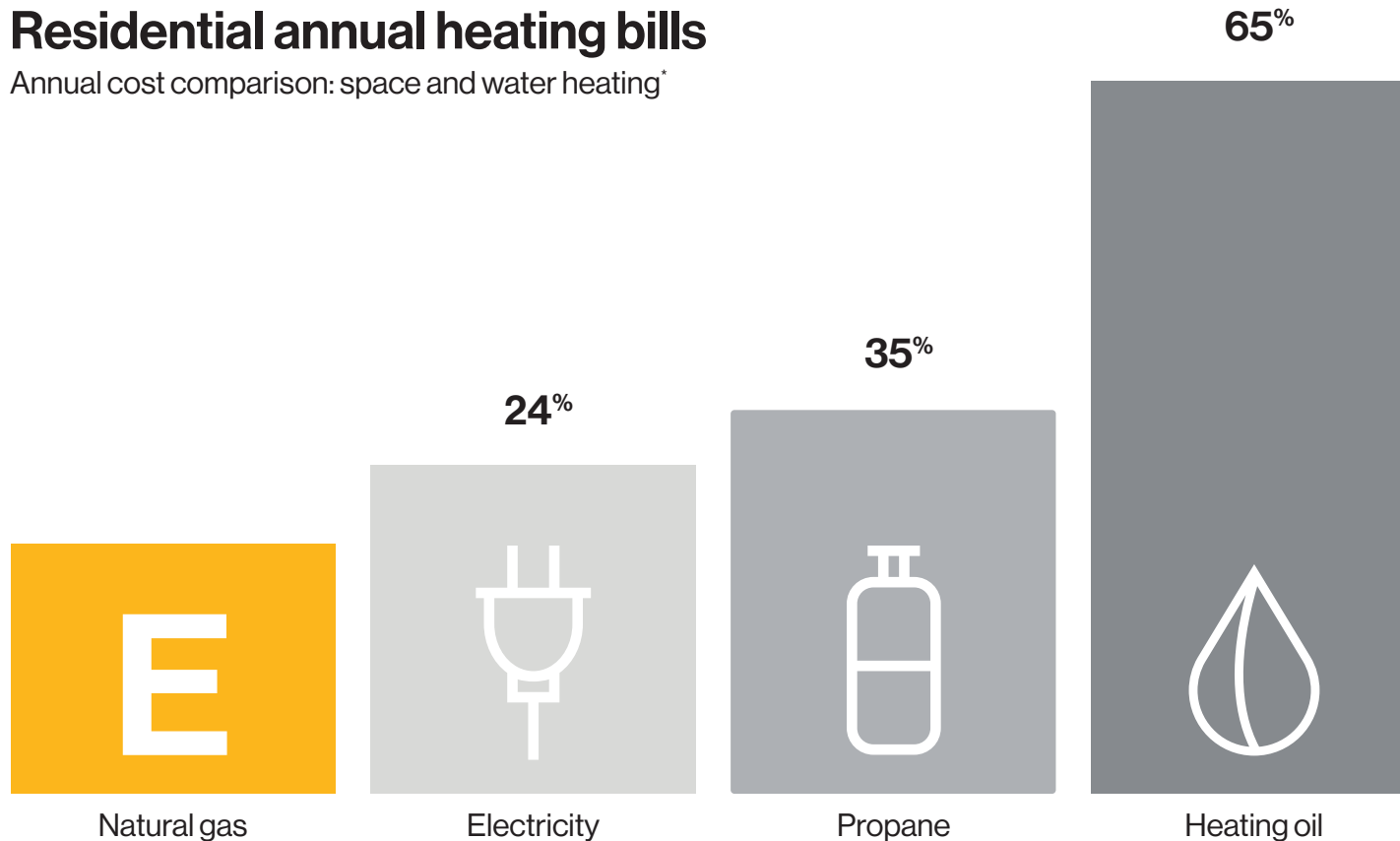
Cost and benefits

How much can you save each year?

Lower costs, lower emissions, more convenience and peace of mind.

Residential annual heating bills

Annual cost comparison: space and water heating*



* Natural gas prices are based on Rate 1 rates in effect as of April 1, 2023 and include the \$0.23 per m³ expansion surcharge. Electricity rates based on Hydro One Distribution rates (Mid-density R1) as of Jan. 1, 2023 and Regulated Price Plan (RPP) customers that are on Time-Of-Use (TOU) pricing. They include the new Ontario Electricity Rebate (OER). Electric cold climate air source heat pumps are available but not included in the savings calculations. The propane price comparison is based on the lowest price obtained in an area survey conducted quarterly. Oil price is based on the latest available retail price. Since individual fuel prices vary, savings assumptions may or may not be as accurate in your situation. Costs have been calculated for the equivalent energy consumed and include all service, delivery and energy charges. The federal carbon charge is included for all energy types based on the April 1, 2023 rate. The federal carbon charge is projected to increase annually from 2024 to 2030.

Bring home all the benefits



More affordable

Compared to other fuels, natural gas is the most cost-effective way to heat your home and water.



Comfort and convenience

Never worry about running out of fuel or waiting for deliveries again.



Versatile and efficient

From fireplaces to clothes dryers, natural gas can make your home more comfortable and enjoyable.



Lower carbon emissions

Natural gas can help reduce your home's carbon footprint.

Billing and charges

Where does your money go?

Here's a helpful explanation of a few key items on your natural gas bill

Expansion Surcharge

The fairest way to cover the infrastructure costs of expanding natural gas service.

Cost Adjustment

Natural gas rates vary by season—you pay what we pay.



Customer Charge

This is a fixed \$22.88* amount that pays for 24/7 emergency response and other services.

* Subject to change. Please note that all charges, except the fixed customer charge, vary based on how much natural gas you use.

Supply, Delivery and Transportation Charges

These cover the costs to buy and deliver natural gas to your home.

Frequently asked questions

Q: Why do I have to pay an additional charge towards the construction costs of the project?

A: For us to extend natural gas to rural areas where the cost of building the infrastructure is more than the revenue it generates, the Ontario Energy Board approved an additional expansion surcharge. This is a variable rate charge, based on your usage, of \$0.23/cubic metre of natural gas used. Since homes use more natural gas in colder months, the surcharge will be higher in winter. It will appear as a separate line item on your monthly bill for up to 40 years.

Go to enbridgegas.com/savewithgas to get an estimate of your potential fuel savings.

Q: Why is the surcharge in effect for different lengths of time by community?

A: The length of time the surcharge remains in effect varies by community because the overall cost to serve each community is different, based on factors such as the distance of the community from an existing natural gas pipeline and more.

Programs and rebates to help you save

Enbridge Gas offers a suite of conservation programs to help you save energy at home. From money-saving rebates to discounts and special offers, we're committed to helping you make your home more energy efficient, comfortable and affordable.

Energy conservation is good for you and your community

Reducing energy use is the simplest, most cost-effective way to keep energy costs affordable for everyone. When you make your home more energy efficient, you also help protect it against the effects of a changing climate and contribute to a cleaner, greener Ontario.



Visit our website at enbridgegas.com/conservation to find the right program for you.

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“ I was connected with someone who came to my house and walked through the house with me looking for areas that I could improve on by myself or with professional help. Because of the efforts I've made, it's a lot more comfortable and a lot less cold. ”

– **Erica H.**
Program participant
Ottawa, Ontario

ENBRIDGE GAS INC.

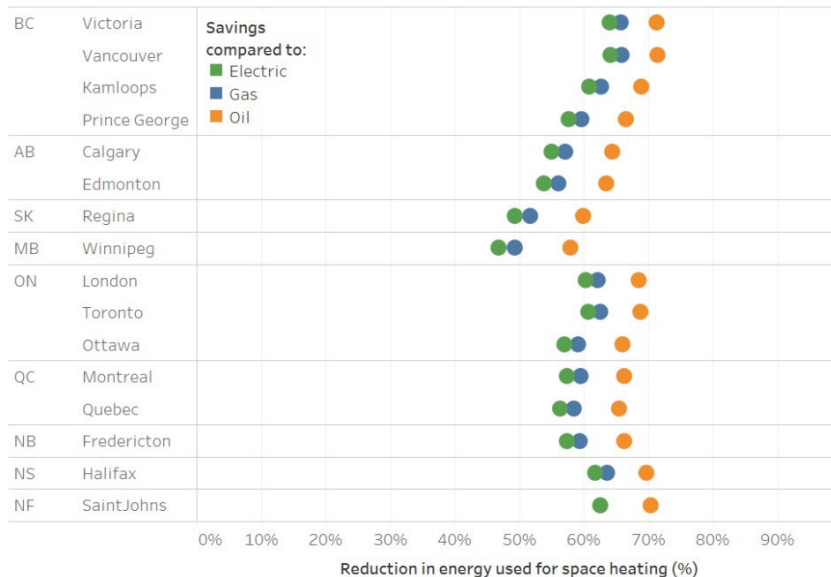
Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

PollutionProbe_IR_AppendixA_CanmetReport [from Enbridge per EB-2022-0200 Exhibit J11.5]

Figure 1: Energy Savings (percentage) for a ccASHP compared to natural gas, oil and baseboard electric.



Question(s):

The CanmetENERGY cold-climate air source heat pump (ccASHP) Report filed by Enbridge indicates in Figure 1 (above), that for Ontario jurisdictions a ccASHP is approximately 50% to 70% more efficient than natural gas, oil or resistance (i.e. baseboard) electric.

- a) Please indicate whether this best available information for ccASHPs was shared with potential customers as part of the information related to heat pumps. If it was, please provide a copy of the information/materials provided to consumers.
- b) This information was provided by Enbridge in 2023 based on a 2022 Study. If Enbridge has a more recent/relevant study/information that provides a different

savings rate for ccASHPs vs. natural gas, oil or electric resistance heating, please provide a copy.

Response:

- a) This information was not shared with potential customers.
- b) Please see response at Exhibit I.ED-28 part a) for Enbridge Gas's information regarding annual operational costs and ranges of possible up-front capital costs for high-efficiency electric cold climate air source heat pump configurations compared to natural gas furnace configurations.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

PollutionProbe_IR_AppendixB_HeatPumpSlidesMarch2024_20240319. Heat pump manufacturer slides from March 2024.

Question(s):

- a) Current ccASHP performance specifications indicate that a ccASHPs operate above natural gas furnace efficiencies even at very cold temperatures (i.e. 126% at -30 Celsius). If Enbridge has more recent information that differs from the information in the Appendix B slides, please provide the materials.
- b) Enbridge indicated in the recent EB-2022-0200 proceeding that it did not think that an ASHP could operate below -15 Celsius. Please confirm that Enbridge is now aware that a ccASHP is able to operate to much colder temperatures as outlined in the manufacturer information provided in Appendix B. If incorrect, please provide Enbridge's current assumptions and related references.

Response:

- a) The referenced information provided by PP in the interrogatory appears to be from a single manufacturer/distributor and claims that their ccASHP have efficiencies greater than 1 down to -30C. Enbridge Gas cautions against making selective assumptions or assertions about the performance of ccASHPs generally, based on information from a single manufacturer/distributor. Enbridge Gas submits that determinations regarding performance characteristics (i.e. efficiency, or capacity) for ccASHPs that rely on information pertaining to a variety of electric heat pump products rather than from a single manufacturer/distributor are more robust. Please see Exhibit I.ED-28 part b), subpart ii) for more information.
- b) PP has incorrectly characterized the information provided by Enbridge Gas within the proceeding referenced in the interrogatory. The Company indicated that ccASHPs sold today have rated performance down to -15C, and that below this temperature a ccASHP may need backup heating, not that a ccASHP could not operate. The

efficiency of a ccASHP does not dictate when a backup heating source may be required; the capacity of the ccASHP, and its degradation with temperature does. Please see EB-2022-0200, Exhibit J11.5 for more information.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

PollutionProbe_IR_AppendixC_HeatPumpConversionGuidehouse per EB-2022-0200.

Question(s):

Enbridge's Guidehouse Energy Transition expert indicated that 40% to 85% of Ontario households are expected to switch to a heat pump by 2050. If Enbridge has more current information or reports, please provide a copy.

Response:

The referenced information is from the Pathways to Net Zero Emissions for Ontario Study (P2NZ), which was not designed or intended to be interpreted as a forecast or prediction. The objective of the P2NZ Study was to create and present possible scenarios relating to how Ontario's energy system could support the achievement of net zero emissions in Ontario by 2050.

Enbridge Gas submits that provincial-level scenario analyses regarding the year 2050 are not relevant to the Company's Application. Enbridge Gas's natural gas attachment forecast for the Project area relies on the energy interests expressed by actual residents and business-owners within the Project area. Enbridge Gas believes that the updated attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased ELC.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1, Figure 1

Question(s):

- a) Please confirm that the values in Figure 1 relate to fuel only and do not include incremental equipment costs to retrofit a home or business with natural gas.
- b) Please confirm that the values in Figure 1 only include costs and savings related to heat and exclude costs/savings for cooling.
- c) Please confirm that the values in Figure 1 related to electricity are for electric resistance (e.g. baseboard) heating only. If that is not correct, please state the assumptions and provide the calculation.
- d) Please confirm that the options provided in Figure 1 are meant to represent common fuels used historically in comparison to natural gas and not a comprehensive list of current/future options for consumers in the community. If not correct, please explain.

Response:

As noted at Page 2 of the cover letter to Enbridge Gas's evidence update (filed August 30, 2024) Exhibit B, Tab 1, Schedule 1, Figure 1 has been removed and replaced with Exhibit B, Tab 1, Schedule 1, Attachment 5, which includes updates to provide energy comparison information as of July 2024. As a result, Figure 1 is referred to as "Attachment 5" for this interrogatory response.

- a) Confirmed.
- b) The values in Attachment 5 are based on the energy-equivalent of annual natural gas consumption of 2,400 m³/yr, which does not include cooling. The values in Attachment 5 reflect whole-home heating scenarios (which includes space heating and water heating). Please see the response at Exhibit I.ED-1 part c) – d) for the calculations and assumptions used to calculate Attachment 5.

- c) For clarity, the electricity comparison assumes electric resistance heating (not electric heat pumps) for space heating and water heating. Please see response at Exhibit I.ED-1 part c) – d) for the calculations and assumptions used to calculate Attachment 5.
- d) Attachment 5 provides information regarding conversions from electricity (resistance heating), oil, and propane to natural gas. Attachment 5 does not provide information regarding conversions to non-natural gas energy solutions, which Enbridge Gas has no ability to cause consumers to convert to via the Application. Please see response at Exhibit I.ED-1 parts a) – b) for more information.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

PollutionProbe_IR_AppendixD_IESO_FreeASHP launched fall 2023
Exhibit B, Tab 1, Schedule 1, Figure 1

Question(s):

- a) Please explain why a cold climate air source heat pump is not an option included for customer consideration or included in Figure 1, given that the information needed to populated Figure 1 is readily available.
- b) An electric cold climate air source heat pump saves up to 50% on heating costs compared to current electric heating, but Enbridge information indicates that switching to natural gas would only save up to 23% on heating costs, or less than half the savings that could be provided from a cold climate air source heat pump. Please explain why a customer would switch to natural gas in this scenario and give up over half the annual energy cost savings available for a cold climate air source heat pump.
- c) Has Enbridge provided any information on the free IESO cold climate air source heat pump program launched in 2023 for eligible customers currently heating their home with electricity? If yes, please provide copies of materials. If not, please explain why not.

Response:

As noted at Page 2 of the cover letter to Enbridge Gas's evidence update (filed August 30, 2024) Exhibit B, Tab 1, Schedule 1, Figure 1 has been removed and replaced with Exhibit B, Tab 1, Schedule 1, Attachment 5, which includes updates to provide energy comparison information as of July 2024. As a result, Figure 1 is referred to as "Attachment 5" for this interrogatory response.

- a) Please see the response to Exhibit I.ED-1.

- b) The savings figures noted by PP in the interrogatory refer to annual energy costs only and ignore upfront capital costs. As indicated at Exhibit I.ED-28 Table 3, with consideration of potential upfront capital costs, conversion to a natural gas configuration could be more cost-effective on a lifetime basis than conversion to an electric cold climate air source heat pump configuration. Please see the responses to Exhibit I.ED-1 and Exhibit I.ED-28 part a) for more information. Additionally, the information provided by Enbridge Gas at Attachment 5 is for whole home-heating (which includes space and water heating) whereas the electric heat pump savings figure noted by PP in the interrogatory refers to space heating only (see p. 2 of the PDF of PP's Appendix D).

- c) No. The conversion to non-natural gas energy solutions (i.e., high-efficiency electric cold climate air source heat pumps) is not relevant to Enbridge Gas's natural gas leave to construct Application, as the Company has no ability to cause consumers to convert to those solutions via the Application. Please see the responses to Exhibit I.ED-1 and Exhibit I.ED-45 part a).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

Table 1: Estimated Annual Fuel Costs & Fuel Cost Savings for a Typical Rate 1 Residential Customer.

Question(s):

- a) Please explain why electric ground source heat pump and electric air source heat pump are list by Enbridge as 'not applicable' to the analysis in the table.
- b) Please explain why cold climate air source heat pump information is not included for, particularly given that the information needed to populate the Table is readily available.

Response:

- a) Annual energy bill calculations for the use of electric heat pumps are not relevant to the table (noted in the table as "Not Applicable") nor relevant to Enbridge Gas's application. Please see the response to Exhibit I.ED.1, parts a) – b).
- b) Please see the response to Exhibit I.ED-1, parts a) – b).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

"Enbridge Gas served new or upgraded natural gas service requests from customers on the understanding that these customers are sufficiently informed about the available energy and technology solutions and that they have chosen the alternative that best suits their needs" [EB-2022-0200 2.6-Staff-81, part (c)]

Question(s):

- a) Please confirm that the above evidence from Enbridge is still accurate. If it is no longer accurate, please provide updated evidence to indicate how Enbridge views its role in providing resources and educational information on a full range of modern energy/technology options to new, potential or existing customers.
- b) If the assumption above was determined to be incorrect (i.e. the relevant option information is not readily available), what role does Enbridge have to provide the relevant information.
- c) Please provide the reference materials (or survey results, etc.) Enbridge is relying on when it assumes that "customers are sufficiently informed about the available energy and technology solutions and that they have chosen the alternative that best suits their needs".

Response:

a) – b)

Confirmed.

Please note, the referenced response to EB-2022-0200 2.6-Staff-81, part c) relates specifically to the Customer Connections budget within the Asset Management Plan (AMP) which funds "the costs to serve new customers, including materials and installation of distribution mains, services, and regulating equipment." This is distinct

from the Community Expansion Program and not a relevant reference to the previous statement.

- c) Please see Attachment 4 to Exhibit I.ED-45 for the reference materials Enbridge Gas provided to potential customers in the Project area. Please also see Attachment 1 to Exhibit I.PP-8 for a copy of the brochure that was used in conjunction with the Forum Research survey. Results of the Forum Research survey can be found at Exhibit B, Tab 1, Schedule 1, Attachment 4.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

- a) Please provide a copy of the all materials used for public consultation including those used for the Open House.
- b) Please provide a copy of all marketing and communication material provided by Enbridge or partners to consumers/businesses in the community to promote DSM or other energy efficiency opportunities when considering renovation of a primary (water/space) heating systems.
- c) Please provide a copy of all communication material provided by Enbridge or partners to educate consumers/businesses on options and incentives under the Greener Homes program (delivered by Enbridge in Ontario).
- d) Please confirm how many of the potential attachments have completed one or more home audits required under the Greener Homes Grant Program.
- e) Has Enbridge conducted analysis on consumers along the proposed pipeline that can or have (currently or recently) participated in the Greener Homes Grant Program. If yes, please provide a copy of the information and analysis.

Response:

- a) Materials used for public consultation, including those used for the virtual and in-person public consultation sessions can be found in Appendices F, H, I and J of the Environmental Report (ER)¹. Additional public consultation materials can be found in Appendix A of the ER Amendment². Please also see Attachments 1 and 2 to Exhibit I.ED-45 for a copy of the Project's marketing campaign materials and Attachment 1 to Exhibit I.PP-8 for a copy of the brochure that was used in conjunction with the Forum Research survey at Attachment 4 to Exhibit B, Tab 1, Schedule 1.

¹ Exhibit F, Tab 1, Schedule 1, Attachment 1.

² As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the ER Amendment has been added to Enbridge Gas's pre-filed evidence at Exhibit F, Tab 1, Schedule 1, Attachment 3.

b – c)

Please see Attachment 1 to Exhibit I.PP-8 for the brochure used in conjunction with the Forum Research survey (Attachment 4 to Exhibit B, Tab 1, Schedule 1) which includes general information regarding energy conservation programs offered by Enbridge Gas (p. 5) and a link to NRCan's website to learn more about potential non-natural gas alternatives including electric heat pumps (p. 2). In addition, Enbridge Gas relies on mass marketing materials and communications to all existing and potential customers. Information regarding these programs can be found at the following links:

- <https://www.enbridgegas.com/residential/rebates-energy-conservation>
- <https://www.enbridgegas.com/business-industrial/incentives-conservation>

The Greener Homes Grant is an initiative funded by the Government of Canada (not by OEB ratepayers or Enbridge Gas) and is administered by the Company on behalf of the Government of Canada. Please note that as of February 5, 2024, intake into the HER+/Canada Greener Homes program has been halted. All consumers who have entered the program before this cut-off date and remain active in the program will be processed according to the program rules. The Contribution Agreement with Enbridge Gas and NRCan remains in effect for the full term.

d) There are approximately 243 participants in the HER+ program that have one or more audits completed from the Project area.

e) No.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

- a) Please confirm that the revenue horizon (for EBO 188 analysis) for the proposed Project in the application is 40 years. If that is incorrect, please provide the correct figure.
- b) Please provide the current wording that mandates a 40 year period be used for project economic analysis.
- c) Please confirm the actual amortization that Enbridge intends to apply to the Project.
- d) Please explain how any residual (unamortized) costs would be recovered from rate payers if the proposed pipeline becomes stranded (i.e. not used and useful) before it is fully depreciated.

Response:

- a) Confirmed. A 40-year revenue horizon has been applied for this Project including the Pipeline and Ancillary Facilities.
- b) The following wording in E.B.O 188 Appendix B, Section 2.2 b) supports a 40-year revenue horizon.

Specific parameters of the common elements include the following:

- a) a 10-year customer attachment horizon;
- b) a customer revenue horizon of 40 years from the in-service date of the initial mains (20 years for large volume customers)

The OEB decision in EB-2022-0200 confirms the revenue horizon of 40 years remains applicable for NGEP projects:¹

The OEB agrees with the submissions by Enbridge Gas and OEB staff that the new revenue horizon should not apply to the projects in the current phase of the NGEP under O. Reg. 24/19.

¹ EB-2022-0200, Decision and Order, December 21, 2023, p. 42.

In addition, O. Reg. 273/24 came into effect on June 27, 2024 and requires a 40-year revenue horizon for consumers who are forecasted to use less than 50,000 cubic metres of gas annually.

- c) Enbridge Gas intends to apply a 40-year revenue horizon to the Project.
- d) Enbridge Gas has no basis to believe that the proposed facilities will become stranded assets. From an accounting and regulatory perspective, Enbridge Gas applies group depreciation procedures to plant assets, including gas meters and distribution service lines. If the assets are retired before their expected average service life is reached (as reflected for the group), the implied loss is captured in accumulated depreciation. The loss would be reflected in subsequent depreciation studies and recovered through depreciation expense over the remaining life of the assets left within the group.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

Enbridge indicates that the project cost estimate in this application is approximately \$820,000 lower than the amount included in the project proposal to the Government of Ontario (2019/2020) for funding under Phase 2 of the NGEP by (EB-2019-0255).

- a) Please explain how that difference impacts the amount of eligible grant.
- b) Please explain how much the project can change before Enbridge is required to reapply to the NGEP (or an alternate process to accommodate significant changes in cost)

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the estimated costs of the Project have been updated from Enbridge Gas's pre-filed evidence at Exhibit E, Tab 1, Schedule 1, Table 1. As a result, the updated cost estimate is lower than the amount estimated in the Company's original project proposal to the Government of Ontario (2019/2020) for funding under Phase 2 of the NGEP by approximately \$2.6 million (EB-2019-0255).

a – b)

Despite the reduction in overall capital, the overall grant of \$8.37 million is still required to maintain project feasibility. Please see the DCF analysis and Feasibility Results at Exhibit E, Tab 1, Schedule 1, Attachments 1 and 2 (updated August 30, 2024)). There are no explicit guidelines provided to Enbridge Gas under the NGEP regarding the magnitude of permitted changes to an NGEP phase 2 project.

Enbridge Gas aims to serve on the original intent of the project proposal. Please also see the response to Exhibit I.STAFF-11 part b).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

Has Enbridge conducted a risk assessment on the probability that the proposed pipeline will become a stranded asset before being fully depreciated? If yes, please provide a copy of the assessment and all related materials. If no, what evidence exists to support that the pipeline will remain used and useful for the full amortization period.

Response:

No. Enbridge Gas has no reasonable basis to believe that the proposed facilities will become stranded assets and thus has had no reason to complete the assessment in question. The Project's natural gas attachment forecast is based on the energy interests expressed by actual residents and business owners within the Project area. Enbridge Gas believes that the updated attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased ELC.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

Please provide the rationale (a copy of written material or summary if done verbally) Enbridge provided to Provincial staff (including those in the Ministry of Energy) supporting a 40 year amortization period for natural gas pipelines and any costs savings that would accrue by amortizing those capital costs.

Response:

Enbridge Gas did not provide any materials on the matter described in the interrogatory. In any event, the appropriateness of the 40 year period is not at issue in this community expansion application for LTC approval.

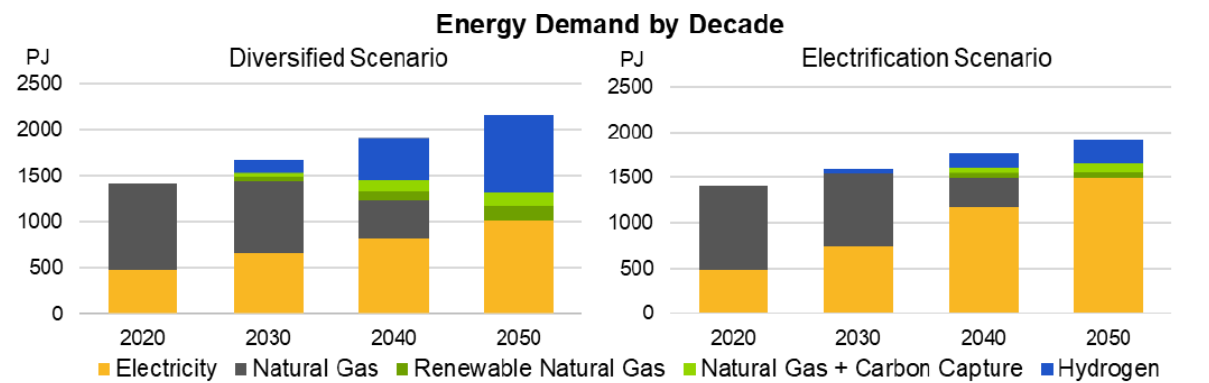
ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

Pathways to Net Zero Emissions for Ontario¹



Question(s):

Enbridge indicates that for both the (Enbridge-preferred) Diversified Scenario and the Electrification Scenario that by 2050 natural gas will no longer be used in Ontario with the potential exception of select large volume industrial customers that have economic access to carbon capture and geological sequestration.

- a) Please explain why an amortization period past 2050 (i.e. greater than 25 years) is appropriate if natural gas will no longer be available to these customers prior to 2050.
- b) Please confirm that Enbridge has not received approval (from the OEB, TSSA or other relevant regulator) for use of 100% hydrogen for the Project assets proposed. If approval has been received for 100% hydrogen, please provide a copy of such approval.

¹ EB-2022-0200 Exhibit 1.10.5.2_Pathways to Net-Zero Emissions for Ontario_BLACKLINE_20230421

- c) If Enbridge intends to use hydrogen to serve this community once natural gas is no longer available, please provide details on the source, transmission and lifecycle carbon emissions of the proposed hydrogen.

Response:

- a) PP's interrogatory is premised on an inaccurate characterization of the Pathways to Net Zero Emissions for Ontario Study (P2NZ), and therefore Enbridge Gas is unable to respond to the question. In contrast to PP's assertion that the study suggests that natural gas will not be available to customers prior to 2050, the objective of the P2NZ study was not to forecast or predict what the future will look like in Ontario. Rather, the analysis was meant to consider scenarios on how Ontario's energy system might support the achievement of net zero emissions in Ontario by 2050 under a certain set of established assumptions.

Enbridge Gas submits that provincial-level scenario analyses regarding the year 2050 are not relevant to the Company's application. Enbridge Gas's natural gas attachment forecast for the Project area relies on the energy interests expressed by actual residents and business-owners within the Project area. Enbridge Gas believes that the updated attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased Extra Length Charge. Based on the foregoing, PP's question is not relevant to Enbridge Gas's application.

- b) Confirmed.
- c) Enbridge Gas has proposed a Hydrogen Blending Grid Study² to help identify and prioritize the sections of the gas grid most suitable for hydrogen blending and to identify associated costs and benefits. Until the completion of this study, it is not yet known how hydrogen may be able to serve this community.

² EB-2022-0200, Exhibit 4, Tab 2, Schedule 6, pp. 16-18.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

Please confirm that Enbridge will fund Phase 1 of this project from its 2024 capital envelope and Phase 2 from its 2025 capital envelope. If that is not correct, please clarify.

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the schedule for the Project has been updated from Enbridge Gas's pre-filed evidence at Exhibit D, Tab 2, Schedule 1.

Based on the revised Project schedule, construction is now planned to start in 2025 for both phases and funded by the 2025 capital envelope.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

“Enbridge Gas proposes to charge a System Expansion Surcharge (“SES”) to all new customers taking gas distribution service from the Project for a term of 40 years. In accordance with the OEB’s EB-2020-0094 Decision and Order, the SES will be a fixed volumetric rate of \$0.23 per cubic metre of gas, which is in addition to all other rates approved by the OEB to be charged by Enbridge Gas.” [A/2/1 Page 3-4]

Question(s):

- a) Please confirm that EB-2020-0094 is the most recent valid OEB Decision related to the revenue horizon for new customers under this project. If not correct, please provide the most recent OEB Decision reference or other relevant reference.
- b) Enbridge is aware that Bill 165 (Keeping Energy Costs Down Act) could make certain legislative changes impacting OEB Decisions, guidance or otherwise set requirements for consideration (e.g. revenue horizon). Please explain what elements of the Bill would apply to this project and the OEB’s pending decision, in lieu of reliance on previous OEB Decisions or guidance.
- c) The proposed project is not proposed to be commissioned until 2025 which is year 2 of Enbridge’s Custom Incentive Rates term (EB-2022-0200). Please indicate what issues (if any) related to Phase 2 or Phase 3 of the Enbridge Customer Incentive Rates term could impact this project in 2025 or beyond.

Response:

- a) EB-2020-0094 is not the most recent OEB decision that supports a 40-year revenue horizon used for customers on this Project. In the EB-2022-0200 Decision (Phase 1), the OEB has confirmed that a 40-year revenue horizon is valid for all community expansion in Phase 2 of NGEF program. See relevant excerpt below:¹

¹ EB-2022-0200, Decision and Order, December 21, 2023, p. 42.

The OEB agrees with the submissions by Enbridge Gas and OEB staff that the new revenue horizon should not apply to the projects in the current phase of the NGEF under O. Reg. 24/19.1.

- b) Bill 165 received Royal Assent on May 16, 2024 to amend, among other things, section 95 of the OEB Act to streamline the existing LTC process for some energy projects. Associated regulatory amendments were made to Ontario Regulation 328/03 as of July 1, 2024, providing for a possible exemption from the requirement to obtain LTC if certain conditions are met. One of the prescribed conditions is that the proposed hydrocarbon line must be projected to cost no more than \$10 million. At a forecast cost of \$13 million, the East Gwillimbury project does not qualify for LTC exemption under the amended regulation, and therefore this Project is not expected to be impacted by the passage of Bill 165.
- c) In the Rebasing Phase 2 proceeding (EB-2024-0111) Enbridge Gas is proposing a four-year price cap incentive rate-setting mechanism to set rates for 2025 to 2028, which follows cost of service rate-setting for 2024. Enbridge Gas does not anticipate issues arising in Phase 2 or Phase 3 of Rebasing that would impact the Project.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

PollutionProbe_IR_AppendixE_ExpansionProjectPI

Question(s):

Recent Enbridge Community Expansion Projects have shown a trend of decreasing Portfolio Index (PI) and a lower actual PI than forecasted in the OEB Leave to Construct proceedings. This has also cause the actual Project Portfolio to dip below the OEB required PI=1.0.

- a) Please indicate how the proposed Project compares to other recent community expansion projects and why the OEB should not expect this Project to follow the noted trend.
- b) Please explain how this project can proceed with a PI of only 0.99, particularly since it would also drag the portfolio PI below OEB requirements.
- c) Please outline what mitigation measures Enbridge has in place in an attempt to ensure that the PI for the project does not drop further below an actual value of 1.

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the PI for the Project has been updated to 1.0 from Enbridge Gas's pre-filed evidence at Exhibit E, Tab 1, Schedule 1, page 4.

- a) For the East Gwillimbury Community Expansion Project, Enbridge Gas conducted third-party market research to assess consumer interest in converting to natural gas and has completed site assessments to validate load and revenue assumptions. Enbridge Gas believes that the updated attachment forecast is accurate as presented at Exhibit B, Tab 1, Schedule 1, Table 2 based on support received from the community, market research conducted, and consideration of the increased ELC.

Enbridge Gas has no reason to believe that the PI for the Project will be less than filed.

Comparing “trends” from other projects to the proposed Project would not be appropriate or relevant, as each project has unique characteristics and economics. Enbridge Gas will report on the actual capital costs, actual customer attachments, and final project PI through future rebasing applications, following completion of the 10-year rate stabilization period(s) (RSP) and attachment forecast term associated with each community expansion project, in accordance with the OEB’s determinations in prior applications, including the Company’s SES/TCS/HAF Application¹ and the Rebasing Phase 1 proceeding².

- b) The Project economics included in Enbridge Gas’s evidence update filed August 30, 2024, show that the Project has a PI of 1.0.
- c) All Community Expansion Projects follow industry standard guidelines and methodologies to generate iterative cost estimates as the Project progresses through planning and design activities. Actual costs are tracked against the estimates presented in LTC evidence to ensure targets are maintained. Further, Project risks are tracked and managed, and a contingency log is utilized to record where contingency costs are approved for use.

¹ EB-2020-0094

² EB-2022-0200, Decision and Order, December 21, 2023.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

EGI_East Gwillimbury_F-1-1_Attachment 1 (Redacted) _20231128

Question(s):

a) Please explain why the Environmental Report filed is only a Draft version.

Please confirm when the final Environmental Report is expected to be available and filed with the OEB.

Response:

- a) The Environmental Report (ER) filed in the proceeding is the final version. Enbridge Gas notes that the ER's title page and footers were not updated to remove "DRAFT" at the time of filing but the content of the report is the final version.
- b) As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the ER Amendment for the Project has been added to Enbridge Gas's pre-filed evidence at Exhibit F, Tab 1, Schedule 1, Attachment 3. The ER and ER Amendment can be found electronically by accessing the following link, then navigating to the "Regulatory Information" tab:

<https://www.enbridgegas.com/residential/new-customers/community-expansion/east-gwillimbury>

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

Please provide any additional stakeholder and OPCC comments/correspondence since the application was filed.

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the Environmental Report (ER) Amendment has been added to Enbridge Gas's pre-filed evidence at Exhibit F, Tab 1, Schedule 1, Attachment 3. An updated stakeholder and OPCC correspondence log can be found in Appendix C of the ER Amendment. There have been no additional comments received, or project correspondence since the ER Amendment was finalized.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

The route and location for the proposed facilities associated with the Project were reviewed by an independent environmental consultant through the process outlined in the Ontario Energy Board's "Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario" (7th Edition, 2016)

Question(s):

- a) Please explain why Enbridge has not used the most recent (8th Edition) OEB Environmental Guidelines.
- b) Please explain what additional work is required to comply with the current OEB Environmental Guidelines.

Response:

As noted in the cover letter to Enbridge Gas's evidence update filed August 30, 2024, the Environmental Report (ER) Amendment for the Project has been added to Enbridge Gas's pre-filed evidence at Exhibit F, Tab 1, Schedule 1, Attachment 3.

a - b)

Project planning was initiated in December 2022, prior to the release of the *OEB Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Projects and Facilities in Ontario, 8th Edition* (the Guidelines) in March 2023. Upon coming into effect, Enbridge Gas implemented the 8th Edition of the Guidelines where feasible, which included a 42-day review of the draft ER by the Ontario Pipeline Coordinating Committee, Indigenous communities and other key stakeholders. Following the 42-day review period, the completed ER was included as part of the leave to construct application filed in this proceeding. Additionally, the ER Amendment for the project was prepared in accordance with the 8th Edition Guidelines. Enbridge Gas does not anticipate completing any additional work due to the edition update of the Guidelines.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

Exhibit F, Tab 1, Schedule 1.

Question(s):

The Environmental Report identifies wetland impacts from the proposed project. Please provide details on what approvals and additional studies Enbridge is undertaking related to these wetlands. If the approvals (and related restrictions) have already been obtained, please provide a copy.

Response:

An Ecological Land Classification (ELC) to classify vegetative communities was completed along the Preferred Route for the Project, which included wetlands.

The Ministry of the Environment, Conservation and Parks (MECP) requires the results of the ELC to determine if there is potential for species at risk and their associated habitats to exist along the Preferred Route of the Project.

Enbridge Gas has provided the results of the ELC to the MECP and is awaiting review. Enbridge Gas will seek approvals from the MECP for the protection of species at risk during construction of the Project, as required.

Permit applications to the Lake Simcoe Region Conservation Authority under O. Reg. 179/06 are being prepared for all areas of the Preferred Route which intersect with Conservation Authority regulated lands, which include wetlands.

No other approvals or studies related to wetlands are required for the Project.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

Exhibit F, Tab 1, Schedule 1.

Question(s):

The Environmental Report identifies cold water watercourses in the project study area. Please confirm what schedule and construction restrictions will be in place related to these watercourses. If those requirements and related approvals are not already obtained, please indicate when they are expected.

Response:

Construction restrictions and other mitigation measures for the protection of aquatic environments, including cold water watercourses, are identified in Table 12 of the Environmental Report¹. Enbridge Gas will implement the mitigation measures listed in Table 12, as applicable, and will adhere to any permit/approval conditions from the Department of Fisheries and Oceans (DFO) and the Lake Simcoe Region Conservation Authority (LSRCA). Enbridge Gas anticipates receiving all approvals for associated watercourse crossing work prior to the onset of construction. Enbridge Gas will also consult with the LSRCA and other relevant agencies (e.g., DFO, and Ministry of Natural Resources and Forestry) to determine appropriate fisheries timing windows for isolated watercourse crossings, if necessary.

¹ Exhibit F, Tab 1, Schedule 1, Attachment 1.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

Please provide a copy of the detailed mitigation plan for the proposed pipeline.

Response:

Enbridge Gas interprets the mitigation plan referred to within the interrogatory as the proposed environmental mitigation. Section 6 of the Environmental Report (ER)¹ includes mitigation measures, based on the natural, social, economic, cultural, and built heritage components identified in the Project area.

Enbridge Gas will also develop an Environmental Protection Plan (EPP) during the detailed design phase for the Project which will include site-specific environmental management, monitoring and contingency plans as well as the general mitigation and contingency measures identified in the ER. Environmental permit and approval conditions will also be included in the EPP.

¹ Exhibit F, Tab 1, Schedule 1, Attachment 1.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

Enbridge Gas filed a letter requesting that the proceeding be held in abeyance until August 30, 2024, to allow for sufficient time for the Ontario Pipeline Coordination Committee (OPCC) to review the draft ER Amendment and provide comment, and for Enbridge Gas to incorporate the OPCC's comments and prepare updated evidence.

Question(s):

- a) Please explain how Enbridge became aware of the changes required to the application and why this was not included in the original application.
- b) There were significant changes to the application other than the ER Amendment. This includes the actual revenue forecast and Profitability Index calculations. Please explain why those were modified in addition to environmental issues missed in the original application.

Response:

- a) Enbridge Gas became aware of the omission of the 80 m NPS 4 PE IP Reinforcement at Doane Rd. W and Yonge St from the Project Map and Environmental Assessment (EA) study area during a Project review meeting. Due to the existing pipeline in the area and relatively small scope of the proposed reinforcement, the 80 m section was mistakenly left off the Project Map and therefore not incorporated into the EA. The 80 m section of pipeline was included in the project description¹, cost estimate² and economic analysis³ in the original application.

¹ Exhibit A, Tab 2, Schedule 1, p. 2; Exhibit B, Tab 1, Schedule 1, p. 1, para. 2; Exhibit D, Tab 1, Schedule 1, p. 1, para. 2.

² Exhibit E, Tab 1, Schedule 1, p.1, Table 1.

³ Exhibit E, Tab 1, Schedule 1, Attachment 2.

- b) Since Enbridge Gas's letter dated June 14, 2024,⁴ while preparing the ER Amendment for the evidence update, Enbridge Gas reviewed its customer forecast and further advanced its design, cost estimates and economics for the Project. As a result of a more detailed design, pipe lengths have been updated to more accurately reflect the lengths expected to be installed, ultimately resulting in a reduction of overall pipe required than set out in the initial pre-filed evidence. Advancing from a class level 4 to class level 3 cost estimate enabled the Company to reduce its contingency amount from 15% to 10%. Enbridge Gas also considered the impact of the updated Extra Length Charge (ELC) per meter, which has increased since this Application was originally filed. Given the particularly long services required to attach customers in this specific Project area, the Company adjusted the customer forecast to account for the increased ELC (please see I.1.STAFF-10 b) for more details on this adjustment).

The reduction of the overall pipe required, number of services and contingency amount resulted in an overall cost estimate for the Project of \$13.0 million, down from \$14.7 million. The resultant PI of 1.0 is based on Enbridge Gas's most recent estimate of Project capital cost and forecasted revenues as detailed in the DCF Analysis for the Project (Exhibit E, Tab 1, Schedule 1, Attachment 2), completed in accordance with E.B.O 188.

⁴ <https://www.rds.oeb.ca/CMWebDrawer/Record/856178/File/document>

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

- a) Please explain why the customer attachment forecast decreased by 29%(from 369 to 263)?
- b) Please explain why the project Profitability Index went from 0.99 to 1.0 and what additional information is available to deem this as a reasonable estimation.

Response:

- a) Please see the response to Exhibit I.STAFF-10 part b).
- b) Please see the response to Exhibit I.PP-31 part b).

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Question(s):

- a) Please explain how additional segments of pipeline for the updated project has resulted in a decrease in customer attachment forecast and a decrease in estimated project cost?
- b) Please explain if the additional Yonge Street Reinforcement pipeline segment is in the main Project cost or listed as Ancillary Facility costs?
- c) Is Enbridge requesting Leave to Construct approval for Ancillary Facilities or just the main Project?
- d) Please explain the impact if the OEB does not approve the Yonge Street Reinforcement pipeline segment

Response:

- a) The additional pipeline segment for the updated Project – the Yonge Street Reinforcement pipeline segment - is approximately 90 m of NPS 4-inch PE on Yonge St. north of Doane Rd. The Yonge Street Reinforcement pipeline piece has no effect on the customer attachment forecast and the estimated Project cost.

The decrease in the customer attachment forecast is primarily attributed to the impact of the increased Extra Length Charge (ELC). See the response to Exhibit I.STAFF-10 part b) for more details. The decrease in Project cost is primarily attributed to the reduction in overall forecasted customers, and the identification of a more constructible scope route that bypasses the Highway 404 extension plans and minimizes significant water course crossings and areas with anticipated high-water table.

- b) The Yonge Street Reinforcement pipeline segment cost is allocated in the main Project cost (Pipeline Costs – Phase 1)¹.

¹ Exhibit E, Tab 1, Schedule 1, p. 1, Table 1.

- c) Enbridge Gas is requesting Leave to Construct approval for the sections of pipe described as Phases 1 and 2 at Exhibit D, Tab 1, Schedule 1, p.1, para. 2. The Company is not seeking Leave to Construct for ancillary facilities.²
- d) The Yonge Street Reinforcement pipeline segment is approximately 90 m of NPS 4-inch PE on Yonge St. north of Doane Rd. If not approved, a total of 10 residential forecasted customers on Queens Court (Section 2) will be impacted. See the response to Exhibit I.FRPO-4.

² Exhibit E, Tab 1, Schedule 1, p. 1, para 1.

ENBRIDGE GAS INC.

Answer to Interrogatory from
Pollution Probe (PP)

Interrogatory

Reference:

The ER has been developed to conform principally with the OEB's Guidelines [F/1/1, Page 1]

Question(s):

Please explain what "conform principally" means?

Response:

Enbridge Gas means to convey that the original Environmental Report (ER) prepared for the Project conforms to the OEB's Guidelines for the evaluation of the segments of the Preferred Route presented in it. However, as the Company omitted a pipeline segment, on its own the ER does not conform with the OEB's Guidelines for the entirety of the Project. With the omitted segment from the ER evaluated in the ER Amendment, the ER must be reviewed in conjunction with the ER Amendment in order to state that the ER "conforms" to the OEB's Guidelines.