



Ontario
Energy
Board | Commission
de l'énergie
de l'Ontario

DECISION AND ORDER

EB-2025-0283

ENBRIDGE GAS INC.

**Application for the Renewal of a Municipal Franchise Agreement
with, and a new Certificate of Public Convenience and Necessity
for, the City of Elliot Lake**

By Delegation, before: **Theodore Antonopoulos**
Vice President
Major Applications

January 27, 2026

1 OVERVIEW

Through this Decision and Order, the Ontario Energy Board (OEB) approves an application filed by Enbridge Gas Inc. (Enbridge Gas) for the renewal of its natural gas franchise agreement with the City of Elliot Lake for a twenty-year term, and grants a new certificate of public convenience and necessity (certificate) for the City of Elliot Lake. This new certificate is required merely to reflect a change to the municipal name of the City of Elliot Lake.

2 CONTEXT AND PROCESS

On October 3, 2025, Enbridge Gas filed an application with the OEB, under sections 8 and 9 of the *Municipal Franchises Act*. The application seeks:

1. An order pursuant to s. 9(3) approving the terms and conditions upon which, and the period for which, the City of Elliot Lake is, by by-law, to grant Enbridge Gas the right to construct and operate works for the distribution, transmission and storage of natural gas and the right to extend and add to the works.
2. An order pursuant to s. 9(4) directing and declaring that the assent of the municipal electors of the City of Elliot Lake is not necessary for the proposed franchise agreement by-law under the circumstances.
3. An order pursuant to s. 8 approving a certificate of public convenience and necessity to construct works to supply natural gas in the City of Elliot Lake.

The OEB held a written hearing. A notice of hearing was published on the www.elliotlakestandard.ca website from October 31 to November 7, 2025. The notice was also posted on Enbridge Gas's website. No persons sought to become intervenors or otherwise participate in the proceeding.

This Decision and Order is being issued under delegated authority pursuant to section 6 of the *Ontario Energy Board Act, 1998*.

3 APPLICATION

Enbridge Gas is a corporation incorporated under the laws of the Province of Ontario, with its offices in the City of Toronto and the Municipality of Chatham-Kent.

The City of Elliot Lake is a municipal corporation incorporated under the laws of the Province of Ontario. It is a single-tier municipality located in the Algoma District in Northeastern Ontario.

3.1 Request for a Municipal Franchise Agreement Renewal

Enbridge Gas operates in the City of Elliot Lake under a franchise agreement that was entered into on November 2, 2005.¹ The franchise agreement is based on the OEB's Model Franchise Agreement, for a twenty-year term and, therefore, the expiration date of the franchise agreement was November 2, 2025.

The OEB notes that in accordance with its terms and conditions, the franchise agreement continues to operate past its expiry date if either party gives notice to the other that it wishes to negotiate a renewal, notwithstanding the expiration of the agreement.² Enbridge Gas contacted the City of Elliot Lake about the franchise renewal on November 20, 2024, over 11 months prior to the expiry of the agreement.

Enbridge Gas applied to the City of Elliot Lake for approval of the renewal of the franchise, based on a proposed municipal franchise agreement in the form of the Model Franchise Agreement, with no amendments, for a term of twenty years. On September 22, 2025, the City of Elliot Lake gave its approval.

Enbridge Gas filed its application under section 9 of the *Municipal Franchises Act* with the OEB on October 3, 2025. The application included a copy of the City of Elliot Lake's draft by-law authorizing the proposed franchise renewal, and a copy of the proposed municipal franchise agreement. Enbridge Gas also included a copy of the City of Elliot Lake's resolution passed on September 22, 2025 approving the form of the draft by-law and franchise agreement and authorizing Enbridge Gas's request for an order declaring and directing that the assent of the municipal electors to the by-law is not necessary.

¹ RP-2005-0021/EB-2005-0224

² City of Elliot Lake Model Franchise Agreement, Section 4(c), dated 2 November 2005, as found in Application EB-2025-0283 at Schedule B

3.2 Request for a Certificate of Public Convenience and Necessity

The City of Elliot Lake was first incorporated as an Improvement District in 1955 and became the Township of Elliot Lake in 1966. On January 1, 1976, the municipality became the Town of Elliot Lake. Enbridge Gas has been providing gas distribution services within the City of Elliot Lake since approximately 1985. In 1991, the Town of Elliot Lake was incorporated as the City of Elliot Lake.³

Enbridge Gas is authorized to serve the entire geographic area of the City of Elliot Lake, as it is currently constituted, through a certificate dated May 31, 1985 that covers the formerly named Town of Elliot Lake.⁴ Enbridge Gas states that it is not aware of any changes to the municipal boundaries of the City of Elliot Lake since the existing certificate was issued.

In light of the foregoing, while the geographic boundaries remain unchanged, the 1985 certificate no longer identifies the correct name for the City of Elliot Lake.

Through this application, Enbridge Gas requests an order of the OEB cancelling its existing certificate for the former Town of Elliot Lake and granting it a new certificate to construct works to supply natural gas in the City of Elliot Lake as it is currently named.

Enbridge Gas states that it holds franchises and certificates for the Town of Blind River, which is immediately adjacent to the City of Elliot Lake. Enbridge Gas further states that it is not aware of any other natural gas distributor in the area.

³ Enbridge Gas Response to OEB Staff Question, January 6, 2026

⁴ E.B.C. 147

4 FINDINGS

The OEB finds that it is in the public interest to approve Enbridge Gas's application for the renewal of its franchise agreement with the City of Elliot Lake, and for a new certificate that references the current name of the City of Elliot Lake.

The OEB notes that on December 11, 2025, Bill 40: *Protect Ontario by Securing Affordable Energy for Generations Act, 2025* introduced several amendments to the *Municipal Franchises Act*.⁵ Among other things, section 9(1) of the *Municipal Franchises Act* no longer requires that a by-law be submitted to municipal electors for their assent. In light of this amendment and the repeal of section 9(4) which provided associated relief, Enbridge Gas's requested order for the dispensation of electoral assent is no longer required. These changes apply to any section 9 or 10 application in progress at the time that Schedule 2 of Bill 40 came into force.⁶

Enbridge Gas filed a complete application and provided notice of the hearing in the manner instructed by the OEB. No party intervened or otherwise objected to the application.

The proposed municipal franchise agreement, attached as Schedule A to this Decision and Order, is in the form of the 2000 Model Franchise Agreement, with no amendments, and is for a term of twenty years. The City of Elliot Lake approved the form of the draft by-law and franchise agreement.

A new certificate, attached as Schedule C to this Decision and Order, is granted to Enbridge Gas for the City of Elliot Lake. The new certificate cancels and supersedes Enbridge Gas's prior certificate for the Town of Elliot Lake. The issuance of a new certificate for the City of Elliot Lake, aligned with its current name, is consistent with the intent of the OEB that certificate holders update their existing certificate(s) if the name of the municipality changes.⁷ This is a housekeeping matter that merely reflects the change in the name of the municipality.

⁵ See [Bill 40: Protect Ontario by Securing Affordable Energy for Generations Act, 2025](#), Schedule 2

⁶ Municipal Franchises Act, s. 11

⁷ EB-2022-0081, *Natural Gas Facilities Handbook*, Section 3.6.1 - Municipal Name Changes, March 31, 2022

5 ORDER

IT IS ORDERED THAT:

1. The terms and conditions upon which, and the period for which, the City of Elliot Lake is, by by-law, to grant to Enbridge Gas Inc. the right to construct and operate works for the distribution, transmission and storage of natural gas, and the right to extend and add to the works, in the municipality, as set out in the municipal franchise agreement attached as Schedule A, are approved. A current map of the City of Elliot Lake is attached as Schedule B.
2. A certificate of public convenience and necessity, attached as Schedule C, is granted to Enbridge Gas Inc. to construct works to supply natural gas in the City of Elliot Lake.
3. The certificate of public convenience and necessity attached as Schedule C cancels and supersedes E.B.C. 147.
4. Enbridge Gas Inc. shall pay the OEB's costs of and incidental to this proceeding upon receipt of the OEB's invoice.

DATED at Toronto, January 27, 2026

ONTARIO ENERGY BOARD

Theodore Antonopoulos

Vice President

Major Applications

SCHEDULE A
MUNICIPAL FRANCHISE AGREEMENT
ENBRIDGE GAS INC.
EB-2025-0283
JANUARY 27, 2026

2000 Model Franchise Agreement

THIS AGREEMENT effective this day of , 2026

BETWEEN:

THE CORPORATION OF THE CITY OF ELLIOT LAKE

hereinafter called the "Corporation"

- and -

ENBRIDGE GAS INC.

hereinafter called the "Gas Company"

WHEREAS the Gas Company desires to distribute, store and transmit gas in the Municipality upon the terms and conditions of this Agreement;

AND WHEREAS by by-law passed by the Council of the Corporation (the "By-law"), the duly authorized officers have been authorized and directed to execute this Agreement on behalf of the Corporation;

THEREFORE the Corporation and the Gas Company agree as follows:

Part I - Definitions

1. In this Agreement

- (a) "decommissioned" and "decommissions" when used in connection with parts of the gas system, mean any parts of the gas system taken out of active use and purged in accordance with the applicable CSA standards and in no way affects the use of the term 'abandoned' pipeline for the purposes of the *Assessment Act*;
- (b) "Engineer/Road Superintendent" means the most senior individual employed by the Corporation with responsibilities for highways within the Municipality or the person designated by such senior employee or such other person as may from time to time be designated by the Council of the Corporation;

- (c) "gas" means natural gas, manufactured gas, synthetic natural gas, liquefied petroleum gas or propane-air gas, or a mixture of any of them, but does not include a liquefied petroleum gas that is distributed by means other than a pipeline;
- (d) "gas system" means such mains, plants, pipes, conduits, services, valves, regulators, curb boxes, stations, drips or such other equipment as the Gas Company may require or deem desirable for the distribution, storage and transmission of gas in or through the Municipality;
- (e) "highway" means all common and public highways and shall include any bridge, viaduct or structure forming part of a highway, and any public square, road allowance or walkway and shall include not only the travelled portion of such highway, but also ditches, driveways, sidewalks, and sodded areas forming part of the road allowance now or at any time during the term hereof under the jurisdiction of the Corporation;
- (f) "Model Franchise Agreement" means the form of agreement which the Ontario Energy Board uses as a standard when considering applications under the *Municipal Franchises Act*. The Model Franchise Agreement may be changed from time to time by the Ontario Energy Board;
- (g) "Municipality" means the territorial limits of the Corporation on the date when this Agreement takes effect, and any territory which may thereafter be brought within the jurisdiction of the Corporation;
- (h) "Plan" means the plan described in Paragraph 5 of this Agreement required to be filed by the Gas Company with the Engineer/Road Superintendent prior to commencement of work on the gas system; and
- (i) whenever the singular, masculine or feminine is used in this Agreement, it shall be considered as if the plural, feminine or masculine has been used where the context of the Agreement so requires.

Part II - Rights Granted

2. To provide gas service

The consent of the Corporation is hereby given and granted to the Gas Company to distribute, store and transmit gas in and through the Municipality to the Corporation and to the inhabitants of the Municipality.

3. To Use Highways

Subject to the terms and conditions of this Agreement the consent of the Corporation is hereby given and granted to the Gas Company to enter upon all highways now or at any time hereafter under the jurisdiction of the Corporation and to lay, construct, maintain, replace, remove, operate and repair a gas system for the distribution, storage and transmission of gas in and through the Municipality.

4. Duration of Agreement and Renewal Procedures

(a) If the Corporation has not previously received gas distribution services, the rights hereby given and granted shall be for a term of 20 years from the date of final passing of the By-law.

or

(b) If the Corporation has previously received gas distribution services, the rights hereby given and granted shall be for a term of 20 years from the date of final passing of the By-law provided that, if during the 20 year term of this Agreement, the Model Franchise Agreement is changed, then on the 7th anniversary and on the 14th anniversary of the date of the passing of the By-law, this Agreement shall be deemed to be amended to incorporate any changes in the Model Franchise Agreement in effect on such anniversary dates. Such deemed amendments shall not apply to alter the 20 year term.

(c) At any time within two years prior to the expiration of this Agreement, either party may give notice to the other that it desires to enter into negotiations for a renewed franchise upon such terms and conditions as may be agreed upon. Until such renewal has been settled, the terms and conditions of this Agreement shall continue, notwithstanding the expiration of this Agreement. This shall not preclude either party from applying to the Ontario Energy Board for a renewal of the Agreement pursuant to section 10 of the *Municipal Franchises Act*.

Part III – Conditions

5. Approval of Construction

- (a) The Gas Company shall not undertake any excavation, opening or work which will disturb or interfere with the surface of the travelled portion of any highway unless a permit therefor has first been obtained from the Engineer/Road Superintendent and all work done by the Gas Company shall be to his satisfaction.
- (b) Prior to the commencement of work on the gas system, or any extensions or changes to it (except service laterals which do not interfere with municipal works in the highway), the Gas Company shall file with the Engineer/Road Superintendent a Plan, satisfactory to the Engineer/Road Superintendent, drawn to scale and of sufficient detail considering the complexity of the specific locations involved, showing the highways in which it proposes to lay its gas system and the particular parts thereof it proposes to occupy.
- (c) The Plan filed by the Gas Company shall include geodetic information for a particular location:
 - (i) where circumstances are complex, in order to facilitate known projects, including projects which are reasonably anticipated by the Engineer/Road Superintendent, or
 - (ii) when requested, where the Corporation has geodetic information for its own services and all others at the same location.
- (d) The Engineer/Road Superintendent may require sections of the gas system to be laid at greater depth than required by the latest CSA standard for gas pipeline systems to facilitate known projects or to correct known highway deficiencies.
- (e) Prior to the commencement of work on the gas system, the Engineer/Road Superintendent must approve the location of the work as shown on the Plan filed by the Gas Company, the timing of the work and any terms and conditions relating to the installation of the work.
- (f) In addition to the requirements of this Agreement, if the Gas Company proposes to affix any part of the gas system to a bridge, viaduct or other structure, if the Engineer/Road Superintendent approves this proposal, he may require the Gas Company to comply with special conditions or to enter into a separate agreement as a condition of the approval of this part of the construction of the gas system.

- (g) Where the gas system may affect a municipal drain, the Gas Company shall also file a copy of the Plan with the Corporation's Drainage Superintendent for purposes of the *Drainage Act*, or such other person designated by the Corporation as responsible for the drain.
- (h) The Gas Company shall not deviate from the approved location for any part of the gas system unless the prior approval of the Engineer/Road Superintendent to do so is received.
- (i) The Engineer/Road Superintendent's approval, where required throughout this Paragraph, shall not be unreasonably withheld.
- (j) The approval of the Engineer/Road Superintendent is not a representation or warranty as to the state of repair of the highway or the suitability of the highway for the gas system.

6. As Built Drawings

The Gas Company shall, within six months of completing the installation of any part of the gas system, provide two copies of "as built" drawings to the Engineer/Road Superintendent. These drawings must be sufficient to accurately establish the location, depth (measurement between the top of the gas system and the ground surface at the time of installation) and distance of the gas system. The "as built" drawings shall be of the same quality as the Plan and, if the approved pre-construction plan included elevations that were geodetically referenced, the "as built" drawings shall similarly include elevations that are geodetically referenced. Upon the request of the Engineer/Road Superintendent, the Gas Company shall provide one copy of the drawings in an electronic format and one copy as a hard copy drawing.

7. Emergencies

In the event of an emergency involving the gas system, the Gas Company shall proceed with the work required to deal with the emergency, and in any instance where prior approval of the Engineer/Road Superintendent is normally required for the work, the Gas Company shall use its best efforts to immediately notify the Engineer/Road Superintendent of the location and nature of the emergency and the work being done and, if it deems appropriate, notify the police force, fire or other emergency services having jurisdiction. The Gas Company shall provide the Engineer/Road Superintendent with at least one 24 hour emergency contact for the Gas Company and shall ensure the contacts are current.

8. Restoration

The Gas Company shall well and sufficiently restore, to the reasonable satisfaction of the Engineer/Road Superintendent, all highways, municipal works or improvements which it may excavate or interfere with in the course of laying, constructing, repairing or removing its gas system, and shall make good any settling or subsidence thereafter caused by such excavation or interference. If the Gas Company fails at any time to do any work required by this Paragraph within a reasonable period of time, the Corporation may do or cause such work to be done and the Gas Company shall, on demand, pay the Corporation's reasonably incurred costs, as certified by the Engineer/Road Superintendent.

9. Indemnification

The Gas Company shall, at all times, indemnify and save harmless the Corporation from and against all claims, including costs related thereto, for all damages or injuries including death to any person or persons and for damage to any property, arising out of the Gas Company operating, constructing, and maintaining its gas system in the Municipality, or utilizing its gas system for the carriage of gas owned by others. Provided that the Gas Company shall not be required to indemnify or save harmless the Corporation from and against claims, including costs related thereto, which it may incur by reason of damages or injuries including death to any person or persons and for damage to any property, resulting from the negligence or wrongful act of the Corporation, its servants, agents or employees.

10. Insurance

- (a) The Gas Company shall maintain Comprehensive General Liability Insurance in sufficient amount and description as shall protect the Gas Company and the Corporation from claims for which the Gas Company is obliged to indemnify the Corporation under Paragraph 9. The insurance policy shall identify the Corporation as an additional named insured, but only with respect to the operation of the named insured (the Gas Company). The insurance policy shall not lapse or be cancelled without sixty (60) days' prior written notice to the Corporation by the Gas Company.
- (b) The issuance of an insurance policy as provided in this Paragraph shall not be construed as relieving the Gas Company of liability not covered by such insurance or in excess of the policy limits of such insurance.
- (c) Upon request by the Corporation, the Gas Company shall confirm that premiums for such insurance have been paid and that such insurance is in full force and effect.

11. **Alternative Easement**

The Corporation agrees, in the event of the proposed sale or closing of any highway or any part of a highway where there is a gas line in existence, to give the Gas Company reasonable notice of such proposed sale or closing and, if it is feasible, to provide the Gas Company with easements over that part of the highway proposed to be sold or closed sufficient to allow the Gas Company to preserve any part of the gas system in its then existing location. In the event that such easements cannot be provided, the Corporation and the Gas Company shall share the cost of relocating or altering the gas system to facilitate continuity of gas service, as provided for in Paragraph 12 of this Agreement.

12. **Pipeline Relocation**

- (a) If in the course of constructing, reconstructing, changing, altering or improving any highway or any municipal works, the Corporation deems that it is necessary to take up, remove or change the location of any part of the gas system, the Gas Company shall, upon notice to do so, remove and/or relocate within a reasonable period of time such part of the gas system to a location approved by the Engineer/Road Superintendent.
- (b) Where any part of the gas system relocated in accordance with this Paragraph is located on a bridge, viaduct or structure, the Gas Company shall alter or relocate that part of the gas system at its sole expense.
- (c) Where any part of the gas system relocated in accordance with this Paragraph is located other than on a bridge, viaduct or structure, the costs of relocation shall be shared between the Corporation and the Gas Company on the basis of the total relocation costs, excluding the value of any upgrading of the gas system, and deducting any contribution paid to the Gas Company by others in respect to such relocation; and for these purposes, the total relocation costs shall be the aggregate of the following:
 - (i) the amount paid to Gas Company employees up to and including field supervisors for the hours worked on the project plus the current cost of fringe benefits for these employees,
 - (ii) the amount paid for rental equipment while in use on the project and an amount, charged at the unit rate, for Gas Company equipment while in use on the project,
 - (iii) the amount paid by the Gas Company to contractors for work related to the project,

- (iv) the cost to the Gas Company for materials used in connection with the project, and
 - (v) a reasonable amount for project engineering and project administrative costs which shall be 22.5% of the aggregate of the amounts determined in items (i), (ii), (iii) and (iv) above.
- (d) The total relocation costs as calculated above shall be paid 35% by the Corporation and 65% by the Gas Company, except where the part of the gas system required to be moved is located in an unassumed road or in an unopened road allowance and the Corporation has not approved its location, in which case the Gas Company shall pay 100% of the relocation costs.

Part IV - Procedural And Other Matters

13. Municipal By-laws of General Application

The Agreement is subject to the provisions of all regulating statutes and all municipal by-laws of general application, except by-laws which have the effect of amending this Agreement.

14. Giving Notice

Notices may be delivered to, sent by facsimile or mailed by prepaid registered post to the Gas Company at its head office or to the authorized officers of the Corporation at its municipal offices, as the case may be.

15. Disposition of Gas System

- (a) If the Gas Company decommissions part of its gas system affixed to a bridge, viaduct or structure, the Gas Company shall, at its sole expense, remove the part of its gas system affixed to the bridge, viaduct or structure.
- (b) If the Gas Company decommissions any other part of its gas system, it shall have the right, but is not required, to remove that part of its gas system. It may exercise its right to remove the decommissioned parts of its gas system by giving notice of its intention to do so by filing a Plan as required by Paragraph 5 of this Agreement for approval by the Engineer/Road Superintendent. If the Gas Company does not remove the part of the gas system it has decommissioned and the Corporation requires the removal of all or any part of the decommissioned gas system for the purpose of altering or improving a highway or in order to facilitate the construction of utility or other works in any highway, the Corporation may remove and dispose of so much of the decommissioned gas system

as the Corporation may require for such purposes and neither party shall have recourse against the other for any loss, cost, expense or damage occasioned thereby. If the Gas Company has not removed the part of the gas system it has decommissioned and the Corporation requires the removal of all or any part of the decommissioned gas system for the purpose of altering or improving a highway or in order to facilitate the construction of utility or other works in a highway, the Gas Company may elect to relocate the decommissioned gas system and in that event Paragraph 12 applies to the cost of relocation.

16. Use of Decommissioned Gas System

- (a) The Gas Company shall provide promptly to the Corporation, to the extent such information is known:
 - (i) the names and addresses of all third parties who use decommissioned parts of the gas system for purposes other than the transmission or distribution of gas; and
 - (ii) the location of all proposed and existing decommissioned parts of the gas system used for purposes other than the transmission or distribution of gas.
- (b) The Gas Company may allow a third party to use a decommissioned part of the gas system for purposes other than the transmission or distribution of gas and may charge a fee for that third party use, provided
 - (i) the third party has entered into a municipal access agreement with the Corporation; and
 - (ii) the Gas Company does not charge a fee for the third party's right of access to the highways.
- (c) Decommissioned parts of the gas system used for purposes other than the transmission or distribution of gas are not subject to the provisions of this Agreement. For decommissioned parts of the gas system used for purposes other than the transmission and distribution of gas, issues such as relocation costs will be governed by the relevant municipal access agreement.

17. Franchise Handbook

The Parties acknowledge that operating decisions sometimes require a greater level of detail than that which is appropriately included in this Agreement. The Parties agree to look for guidance on such matters to the Franchise Handbook prepared by the Association of Municipalities of Ontario and the gas utility companies, as may be amended from time to time.

18. **Other Conditions**

None.

19. **Agreement Binding Parties**

This Agreement shall extend to, benefit and bind the parties thereto, their successors and assigns, respectively.

IN WITNESS WHEREOF the parties have executed this Agreement effective from the date written above.

THE CORPORATION OF THE CITY OF ELLIOT LAKE

Per:

Andrew Wannan, Mayor

Per:

Natalie Bray, City Clerk

ENBRIDGE GAS INC.

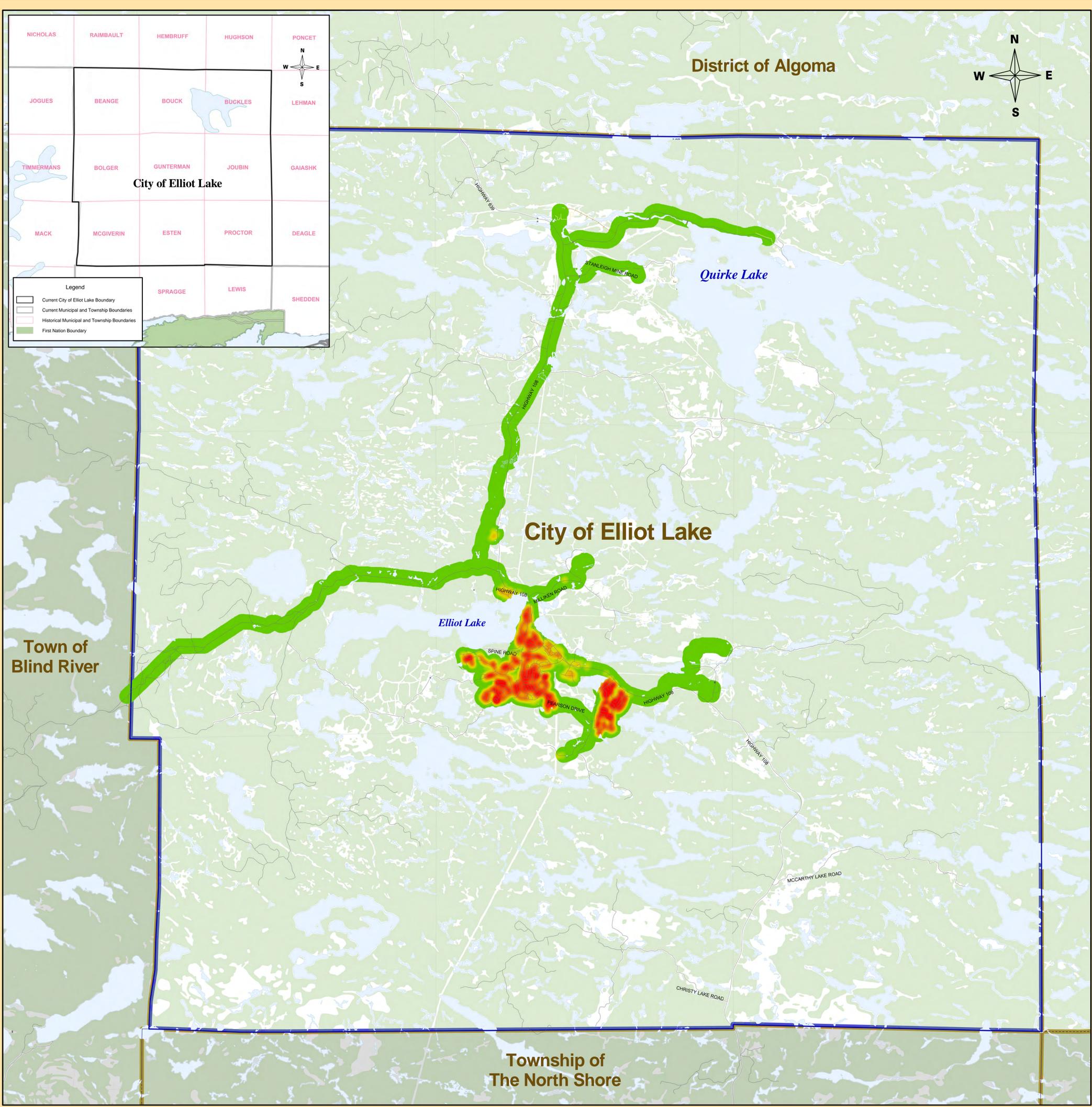
Per:

Mark Kitchen, Director, Regulatory Affairs

Per:

David Marshall, Director, Station Operations and Customer Connections

SCHEDULE B
MAP OF THE CITY OF ELLIOT LAKE
ENBRIDGE GAS INC.
EB-2025-0283
JANUARY 27, 2026



Legend

- Enbridge Gas Pipeline Coverage Area
- City of Elliot Lake
- Roads
- Railways
- Municipal and Township Boundaries
- First Nation Boundaries

Customer Density

Low High

City of Elliot Lake

0.0 1.5 3.0 4.5 6.0 7.5
Kilometers

Disclaimer:
The map is provided with no warranty express or implied and is subject to change at any time. Any Person using the Density Map shall do so at its own Risk and the Density Map is not intended in any way As a tool to locate underground infrastructure for the purposes of excavation

Location map

SCHEDULE C
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY
ENBRIDGE GAS INC.
EB-2025-0283
JANUARY 27, 2026

EB-2025-0283

Certificate of Public Convenience and Necessity

The Ontario Energy Board grants

Enbridge Gas Inc.

approval under section 8 of the *Municipal Franchises Act*, R.S.O. 1990, c. M.55, as amended, to construct works to supply natural gas in the

City of Elliot Lake

as it is constituted on the date of this Decision and Order.

This certificate of public convenience and necessity cancels and supersedes E.B.C. 147.

DATED January 27, 2026

ONTARIO ENERGY BOARD

Theodore Antonopoulos
Vice President
Major Applications