A Conversation with Enbridge Gas: Your Community Partner

Eliminating 3rd Party Damages & The Future of Energy:

Working together in a low-carbon energy future



What we do



Enbridge is North America's largest energy infrastructure company



Liquids Pipelines

- ~27,500 km/17,000 mi. of pipe
- Moving 3 million barrels/day



Natural Gas Pipelines

- ~38,375 km/23,850 mi. of pipe
- Moving 18 Bcf/day



Natural Gas Utilities

- 3.8 million retail customers
- Serving 670+ communities



Renewable Power

- 30+ renewable power facilities
- 2,075 MW generating capacity

25% of crude oil produced in North America

20% of the natural gas consumed in the U.S.

75% of Ontario residents' energy needs delivered

940,000 homes powered by our assets

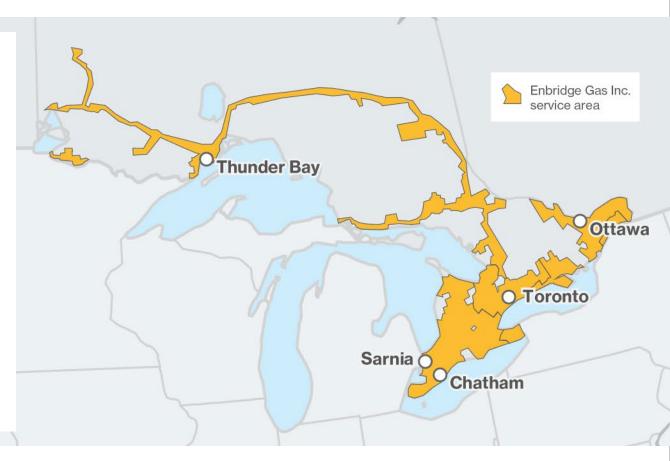




North America's largest natural gas storage, transmission and distribution company

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

- Values
 Safety, Integrity, Respect, Inclusion.
- Experience
 170+ years of experience in safe and reliable service.
- Distribution Business
 3.8M customers, heating >75% of Ontario homes.
- Dawn Storage Hub
 Canada's largest integrated underground storage facility and one of the top natural gas trading hubs in North America.
- Advancing Innovative Low-Carbon Solutions
 Conservation, cleaner technologies for heat/transportation (CNG, geothermal), green fuels (RNG, hydrogen).



Safety is our #1 priority



We invested

\$2.9B

2013 – 2020 to maintain the integrity of our system

We monitor our lines

24-7-365

with people and computerized leak detection systems

We performed

250

pipeline integrity inspections in 2019 – 2020

We held

41

emergency exercises drills in 2019 – 2020



Above all else, we are always working to ensure the safety of our people, neighbours and the environment

Our Values: Safety

Damage Reduction Strategy

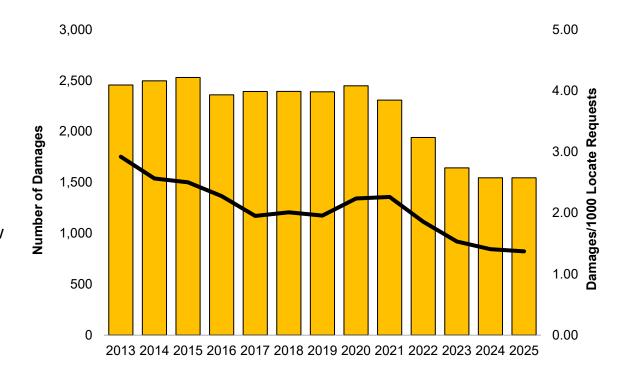
Distribution Protection



Background



- EGI encounters ~2,500 third party damages annually
- Strategy is to significantly reduce annual total damages by 2025
 - Targeting a reduction of 50%
- Metrics focused on reducing annual number of damages and risk categories (Operations, Environment, and Financial)
- Strategy Focus:
 - Contractors Influence and reinforce safe behaviors for how to excavate near GDS infrastructure
 - Homeowners Create awareness and provide education about locates and excavate near GDS infrastructure
 - Technology Utilize analytics and emerging technologies to help Damage Prevention more efficiently execute in-field activities and effectively increase proactive efforts





Initiative Updates

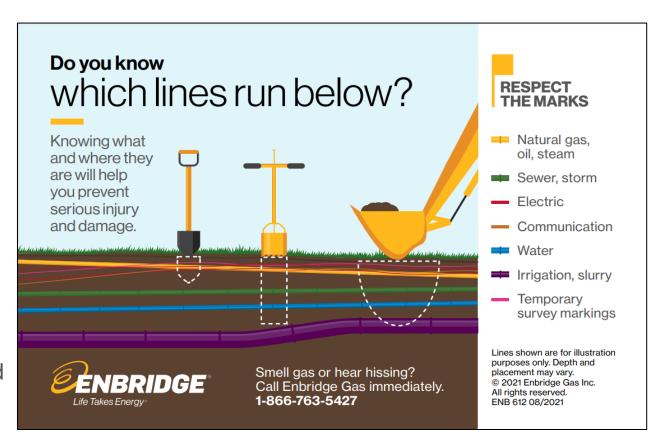
Tier I Initiatives	Description
Artificial Intelligence + Higher Risk Excavations	Implement AI software to target field resources to high-risk excavations for proactive site visits involving; education, locate accuracy QA, and promoting safe work practices.
Pipeline Patrol Technologies	Implement new pipeline patrol methods and systems to; provide real time alerts, improve unit times, and improve resource efficiency/ effectiveness.
Online Safety Portal	External website enhancements to improve: • Public accessibility of safety ground disturbance info • Locate conflict clearance processing
Enhanced Public Awareness	Increased use of digital media targeted towards reducing hits with a focus on certain regional centers and audiences.
Dedicated Locator	Promote the use and benefits of the dedicated locator model to targeted industry partners.

Tier II Initiatives	Description
Excavator Recognition	Recognition for safe excavation practices to excavators with zero damages and 500+ locates annually
Municipal Relations	Target municipalities where contractors completing municipal works are the bulk of damages to emphasize the public impacts of damages and develop collaborative solutions.
Homeowner Outreach	Partner with builders and realtors (companies and associations) to promote and distribute materials Call Before You Dig messaging to home buyers with emphasis on education of legal requirements and consequences.
Home Insurance Public Messaging	Partner with home insurance companies and associations/ groups to promote and distribute materials Call Before You Dig messaging to homeowners with emphasis on education of legal requirements and consequences.
Meter Stickers	Apply Call Before You Dig stickers to residential meter sets to remind homeowners and small contractors to obtain locates prior to excavation.



Enhanced Public Awareness + Online Safety Portal

- Three <u>Enbridgegas.com</u> webpages
 - Business to customer/ homeowner
 - Business to professional excavator/ contractor
 - Working near vital natural gas pipelines
- Examples of content included
 - Locate request and ground disturbance step-by-steps
 - FAQ content + brochure
 - Checklists
 - Infographics
- Contractor safety video with partners developed
- Items in development:
 - Tool-box talk safety sheets
 - "How to" video series
 - Traditional and digital/ social media ads



Contractor work site card



Excavator Recognition

- Certificate of recognition for safe excavation practices for excavators with zero damages and 500+ locates within a calendar year
- Designed to:
 - Recognize success as a safe excavator
 - Be used as differentiation factor in bidding
 - Promote an industry standard of behavior
- 104 excavators were recognized for 2020

Safe Excavation Certificate

Recognizing those who practice the highest standard of safety when excavating around Enbridge Gas asset

This is awarded to

Contractor Name

by the Damage Prevention Department at Enbridge Gas to recognize the excellent work to perform 500+ Ontario One Call locate requests with zero pipeline damages.

2020





Brandon Jupp, Damage Prevention

Jan. 1, 2021

Date



Meter Stickers

- Being applied to meters
 - Two sizes: 2" x 2" and 3" x 3"
- Designed to be a last layer of defense to draw attention to ordering locates
- ~190,000 stickers to be rolled out by end of 2021

CAUTION: Buried gas line

Did you know?

It's the law to call before you dig.

Protect yourself and others



Call or click before you dig



OntarioOneCall.ca 1-800-400-2255





Know What's Below



Preparing for the energy future



- We are committed to supporting North America's energy transition by:
 - modernizing our infrastructure.
 - investing in innovation and cleaner energy solutions.
- Enbridge is developing cutting-edge, innovative solutions to prepare for the energy transition.



Enbridge is ensuring we will meet the growing energy needs of the future while reducing emissions

Enbridge's Sustainability Goals



Enbridge's commitment to strong ESG practices and performance has long been core to how we do business. Our new commitments reinforce our priorities in the areas of GHG emissions, diversity and inclusion and safety. We're also increasing transparency and accountability and linking ESG to incentive compensation to achieve results.

Environment



Reduce emissions intensity
35%
by 2030



Social

10% fewer employee and contractor injuries at work over previous 3-year average











Increase procurement

from diverse suppliers





Governance





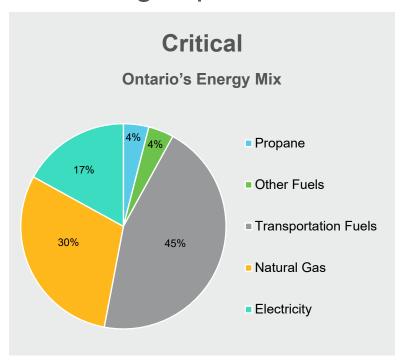


^{*}All percentages or specific goals regarding inclusion, diversity, equity and accessibility are aspirational goals, which we intend to achieve in a manner compliant with state, local, provincial and federal law, including, but not limited to, U.S. federal regulations and Equal Employment Opportunity Commission, Department of Labor and Office of Federal Contract Programs guidance.

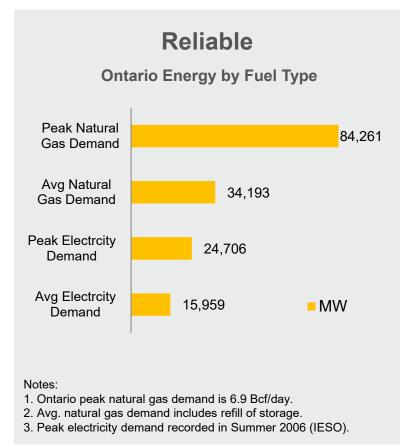
The energy landscape in Ontario

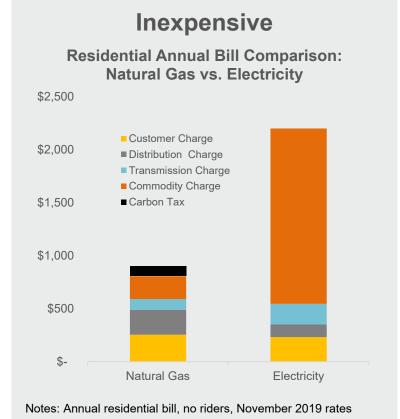


Natural gas provides low cost, critical and reliable energy



Ontario's energy system reality Electrifying Ontario's residential heating would require a \$30B investment in Ontario's electric distribution infrastructure.**





¹⁵

A sustainable pathway to emission reductions



Reduce energy needs



Conservation programs for homes and businesses

Reduce fuel use



Cleaner technologies for heat and transportation, such as CNG and geothermal

Green energy

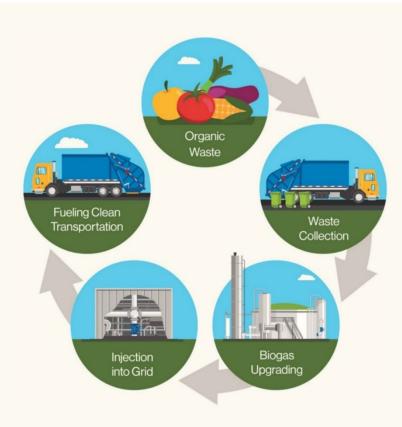


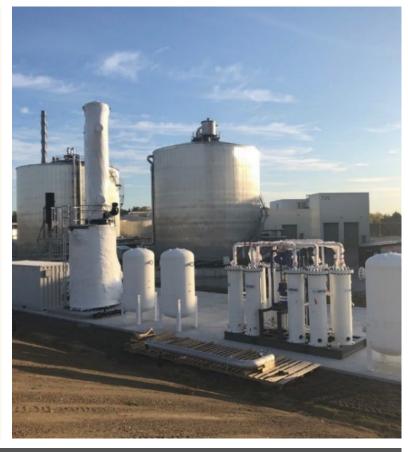
Green fuels such as carbonneutral renewable natural gas and hydrogen Power-to-Gas







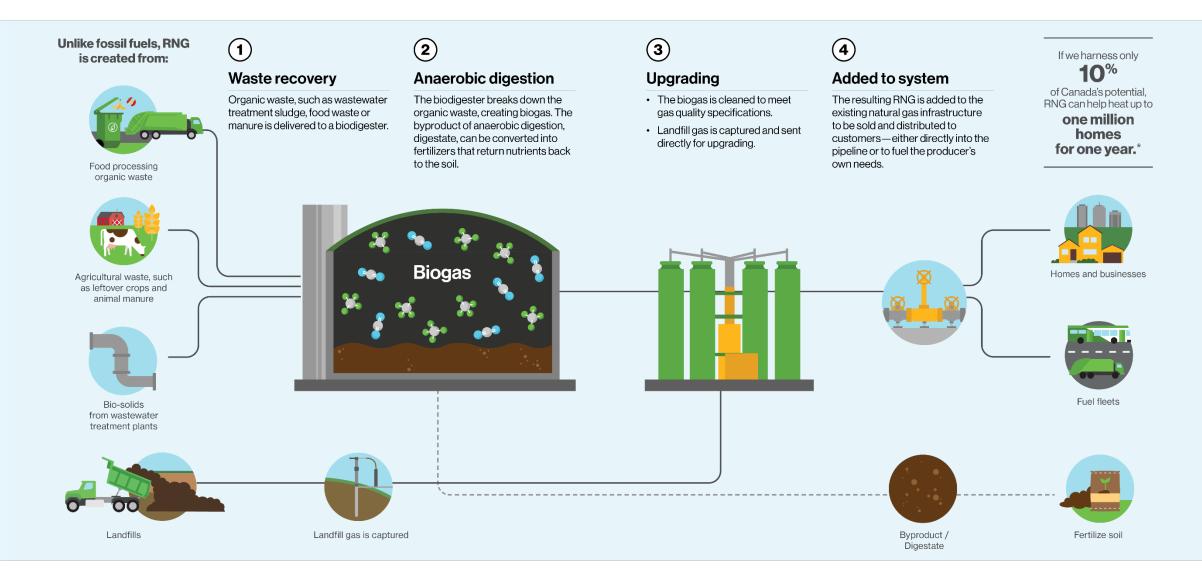




Towards a lower-carbon future

Renewable Natural Gas

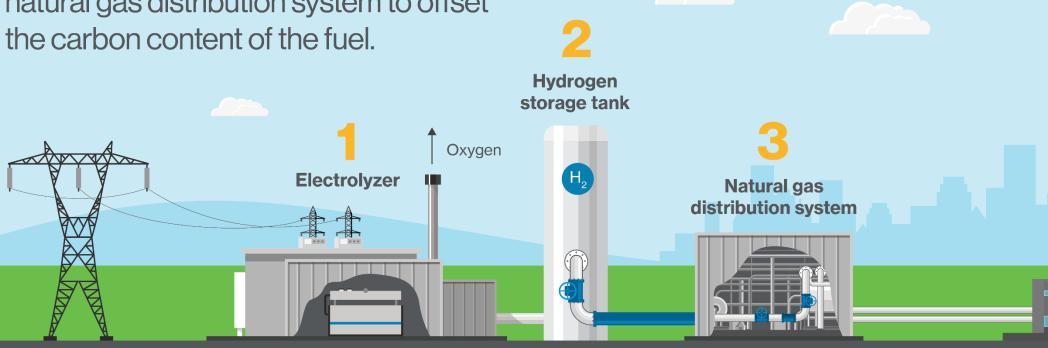




^{*} Source, 2019 Canadian Gas Association Press Release titled: Renewable natural gas start-up company completes key milestone converting Alberta forest residues into pipeline-quality gas

Enbridge Invests in Power to Gas

Future state: Blending hydrogen into the natural gas distribution system to offset



Since electricity can't be stored, when there is a surplus, an electrolyzer can take the electricity and use it to split water into hydrogen and oxygen.

The hydrogen that is produced is then stored

Instead of converting the hydrogen back into electricity, the hydrogen may be blended into the natural gas distribution system at a pre-determined percentage, to reduce the carbon content of the gas.

A lower carbon gas is delivered to customers.

Q&A

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