

Towards a clean energy future

Let's make the connection today

We're here to:

Answer your questions about the proposed natural gas pilot project.

Talk with you about solutions to help reduce natural gas consumption to offset growing demand.

Discuss how this will position Ontario towards a net zero energy future.

Towards a clean energy future

Our commitment to consultation

We're committed to a thorough consultation process and want to hear from you.



We aim to be:

Inclusive

We reach out to those who may be interested or affected and provide opportunities to get involved.

Transparent

We provide access to clear information to inform your decisions.

Accountable

We explain how your input will be used in the decision-making process.

Collaborative

As an important part of the process, we work with communities to identify and resolve any project issues.

Net Zero 2050: Path to Success

Energy powers our vehicles, warms our homes and helps produce the goods we use every day. Addressing these three largest sources of emissions through a diversified energy system is the most cost-effective and resilient way to achieve net zero.

Energy sources

Transition to renewables.

A mix of renewable power, renewable natural gas and hydrogen for clean and reliable energy.

Transportation

Switch to lower-emission sources.

Electrification of light-duty vehicles.

Compressed and renewable natural gas and hydrogen for hard-to-electrify heavy transport.

Building heating and cooling

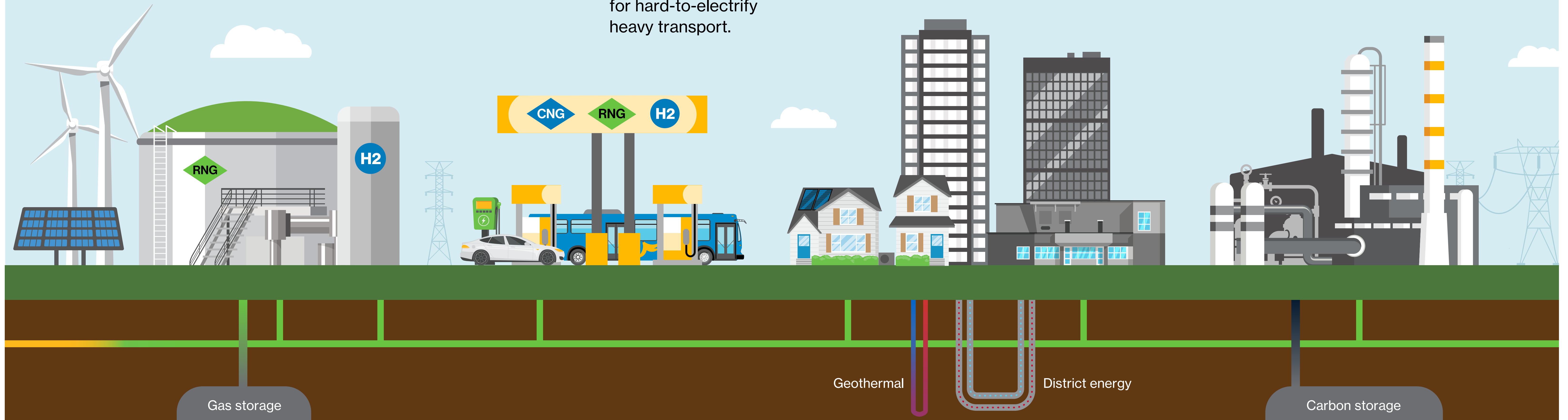
Adopt high-efficiency technologies.

Energy conservation, heat pumps, hybrid heating, geothermal, district energy and green fuels for clean and reliable heat.

Industrial processes

Advance innovative technologies.

Energy conservation, hydrogen and carbon capture for processes that can't easily be electrified.



Energy transition study findings

A diversified pathway that leverages both Ontario's gas and electric systems can achieve net zero, with greater:



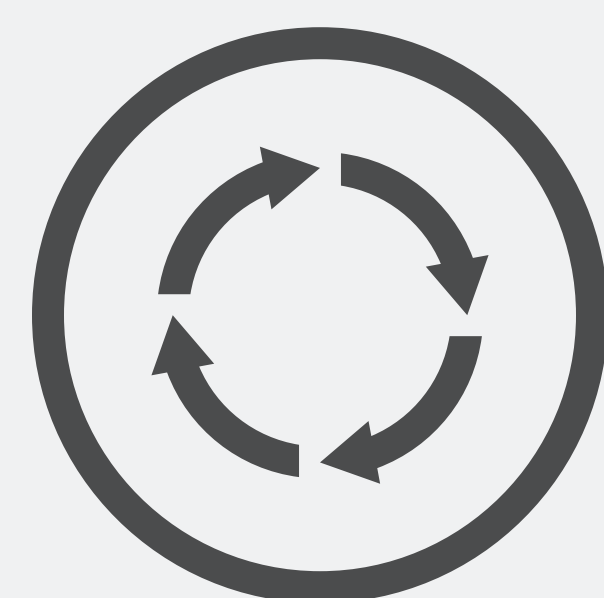
Affordability

Achieves the same outcome as the electrification pathway at a lower cost.



Reliability

Meets the energy needs of Ontario homes and businesses, even on the hottest and coldest days of the year.



Resiliency

Protects against impacts from extreme events, such as weather and cybersecurity incidents.



Consumer choice

Allows Ontario energy consumers the flexibility to make choices on the path to net zero.



Competitiveness

Provides more affordable energy to help businesses stay competitive and thrive.

Enbridge Gas is advancing reliable and cost-effective solutions for Ontario's net zero energy future

Conservation



Helping homes, business and industry use less energy through conservation programs.

Renewable gases



Advancing the transition to renewable gases:

- Hydrogen
- Renewable natural gas

Clean energy technologies



For fleets and heavy transport that can't be practically electrified:

- Compressed natural gas (CNG)
- Renewable natural gas (RNG)
- Hydrogen



For reliable, cost-effective and sustainable heat:

- Hybrid heating
- Geothermal
- Combined heat and power (CHP)
- Solar PV
- Waste heat recovery



For energy-intensive processes that can't be electrified:

- Clean and low-emission gases
- Carbon capture and storage

Integrated Resource Planning (IRP)

- Integrated Resource Planning (IRP) is a natural gas planning strategy and process¹.
- Enbridge Gas evaluates non-pipeline alternatives that could be used to defer or avoid implementing a traditional pipeline project to meet a system need.
- Consideration is given to safety, cost effectiveness and the ability for alternative solutions to meet customer demands reliably.

¹ IRP Framework was published by the OEB on July 22, 2021.



IRP alternatives (IRPAs)

Non-pipeline alternatives can include:

- **Demand side alternatives:**
 - Lowering or shifting energy use through enhanced targeted energy efficiency (ETEE) programs and/or demand response (DR) programs.
- **Supply side alternatives:**
 - Delivering more energy without adding new pipeline using compressed natural gas (CNG) or liquified natural gas (LNG).
 - Displacing conventional natural gas with carbon neutral renewable natural gas and hydrogen.
 - Adding supply through upstream deliveries.

Alternatives can be implemented individually or in combination to meet the system need cost effectively and within the required timeframe.



Southern Lake Huron Pilot Area



IRP Pilots



- We're running a pilot project in your area to better understand the impacts that enhanced targeted energy efficiency (ETEE) and demand response (DR) IRPAs have on reducing the natural gas system's peak period demand.
- Key objectives from this pilot are to:
 - Develop an understanding of how to design, deploy and evaluate ETEE and DR programs.
 - Gain insight into how ETEE measures and DR programs impact peak period demand.
- Participation in the pilot programs will provide us with the data and insight that will inform future system planning and support our move towards net zero goals.

Demand Response (DR)



- DR involves offering customers incentives to shift or reduce energy usage during peak periods through various methods.
- A new-to-market residential DR pilot program would target gas space-heated customers with an eligible smart thermostat.
- An initial financial incentive would be provided upon enrollment into the pilot program and annual incentives would be provided at the end of each heating season for eligible participants.

Enhanced Targeted Energy Efficiency (ETEE)



- ETEE involves offering targeted energy efficiency programs that support a reduction in peak period natural gas demand.
- While traditional energy efficiency programs have been in place for some time, using them to reduce peak demand requires some investigation.
- For residential customers, the pilot would offer additional incentives for programs such as our current Home Efficiency Rebate Plus (HER+) program.
- For commercial and industrial customers, the pilot would offer additional incentives for measures such as heating system controls and ventilation.

OEB approval

For the proposed project to proceed, it must be approved by the Ontario Energy Board (OEB).



The OEB:

- Ensures the proposed pilot project is in the best interests of the public.
- Provides a public forum during the review of the application for people to participate in the decision making process.

Parties with an interest in the project may apply to the OEB to become intervenors or interested parties.

Have your say

Please contact our Integrated Resource Planning team
irp@enbridge.com

Scan the QR code to submit your comments and feedback



We want to hear from you

