Enbridge Update

Canada Green Building Council – Breakfast Meeting
Tuesday, February 4th, 2020
Enbridge Gas Inc.
North America’s largest natural gas storage, transmission and distribution company

We deliver the energy that enhances peoples quality of life.

• **Values**
  Safety, Integrity, Respect.

• **Experience**
  170+ years of experience in safe and reliable service.

• **Distribution Business**
  3.7M customers, heating >75% of Ontario homes.

• **Dawn Storage Hub**
  Canada’s largest and one of the top-5 natural gas trading hubs in North America.

• **Advancing Innovative Low-Carbon Solutions**
  Conservation, cleaner technologies for heat / transportation (CNG, geothermal), green fuels (RNG, Hydrogen)

Formed Jan. 1, 2019 from the amalgamation of Union Gas Limited and Enbridge Gas Distribution.
Enbridge Gas Distribution can make significant contributions to a lower-carbon future. Here’s how:

- **Reduce emissions by helping customers use less gas**
  - Delivering energy efficiency programs or promoting new technologies like natural gas heat pumps that help customers optimize their use of natural gas

- **Reduce emissions by using more gas**
  - Replacing oil, propane and wood with clean-burning natural gas for home and water heating
  - Switching heavy-duty transportation from diesel to compressed natural gas

- **Reduce emissions by using carbon-neutral gas**
  - Blending hydrogen and Renewable Natural Gas from waste into our pipeline system
Delivering Energy Efficiency Programs
Cost-Effective emissions reductions

- Enbridge Gas offers Residential, Industrial and Commercial programs for energy efficiency which include technical guidance and customer incentives

- 1995-2018: Our conservation programs saved 52 million tons of CO₂ emissions

- Customers save $2.67 for each dollar spent on natural gas conservation*

- Average residential customer natural gas use declined 21% from 1995 to 2015

*Environmental Commissioner of Ontario, 2016
Programs focus on four main areas to help customers achieve energy savings:

- **Optimize design**: Designing energy efficient, sustainable buildings
- **Capital investments**: Upgrading to energy efficient equipment
- **Operational improvements**: Making low or no cost operational adjustments to improve efficiencies
- **Energy management**: Embedding energy efficiency into every aspect of the organization
*Enbridge supports measures that reduce natural gas loads
Commercial Energy Efficiency programs

Savings By Design for new builds

Provides free access to industry experts and performance incentives for constructing energy efficient, sustainable buildings beyond code requirements.

Available to Commercial, Institutional, Multi-Residential or Industrial buildings covered under the Ontario Building Code that are in the design phase and due to be completed within 5 years.

Participants are guided through two sessions:

**Visioning session**
A preliminary, one to two-hour meeting to define project requirements and sustainability priorities.

**Integrated design process session**
A team of experts explore possible design improvements to the building in a risk-free environment.
Commercial Energy Efficiency programs
Affordable Housing Multi-Residential

**PROGRAM OFFER**
- Building assessment
- Enhanced financial incentives for capital upgrades and/or replacements
- Energy audit subsidy
- Resident engagement

**TARGET CUSTOMER**
- Building owners and property managers of multi-residential buildings, generally defined as OBC Part 3
- Social and assisted housing
- Non profits and co-ops
- Shelters and supportive housing
- Income qualified buildings located at census defined and municipally informed priority needs neighborhoods
Business Development Initiatives

CNG of Vehicles
Cleaner air, reduced emissions and lower cost

Renewable Natural Gas
A carbon-neutral source of energy from waste

Power-to-Gas
Electricity Storage and Blending Hydrogen into NG Pipelines

**Enbridge Invests in Power to Gas**
Future State - Blending hydrogen into the natural gas distribution system to offset the carbon content of the fuel

1. Electrolyzer
2. Hydrogen storage tank
3. Natural gas distribution system
4. Lower carbon gas delivered to customers
Ongoing Partnership with CaGBC and Regional Affiliates

• Ongoing focus on strong relationships with our Customers and Business Partners
Thank you

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