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Ms. Nancy Marconi
Acting Registrar
Ontario Energy Board
P.O. Box 2319, 27th Floor
2300 Yonge Street
Toronto, ON M4P 1E4

February 8, 2022

Re: EB-2020-0293 – Enbridge St. Laurent Ottawa North Replacement Project
Pollution Probe Interrogatories on Enbridge Reply Evidence

Dear Ms. Marconi:

In accordance with Procedural Order No. 6, please find attached Pollution Probe's interrogatories pertaining to Enbridge's Reply Evidence.

Respectfully submitted on behalf of Pollution Probe.

Michael Brophy, P.Eng., M.Eng., MBA
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cc: Enbridge (email via EGIRegulatoryProceedings@enbridge.com)
Guri Pannu, Enbridge Legal (via email)
All Parties (via email)
Richard Carlson, Pollution Probe (via email)

EB-2020-0293

ONTARIO ENERGY BOARD

Enbridge Gas Inc.
St. Laurent North
Leave to Construct

POLLUTION PROBE INTERROGATORIES
For
ENBRIDGE REPLY EVIDENCE

February 8, 2022

Submitted by: **Michael Brophy**

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Consultant for Pollution Probe

Note: Per OEB Staff discussion, interrogatory numbering follows Issue#-Party-IR# using the generic LTC issues list.

1-PP-1

a) How many times has the area serviced by the St. Laurent pipeline met or exceeded design day conditions (i.e. 47 DD) in the past year?

b) How many times has the area serviced by the St. Laurent pipeline met or exceeded design day conditions (i.e. 47 DD) in the 10 years?

c) How many times has the area serviced by the St. Laurent pipeline met or exceeded design day conditions (i.e. 47 DD) in the 40 years?

1-PP-2

a) How many times has the St. Laurent pipeline met or exceeded it design day flow (i.e. 139,800 m3 /h) in the past year?

b) How many times has the St. Laurent pipeline met or exceeded it design day flow (i.e. 139,800 m3 /h) in the 10 years?

c) How many times has the St. Laurent pipeline met or exceeded it design day flow (i.e. 139,800 m3 /h) in the 40 years?

1-PP-3

Please confirm that the design day assumptions and flow rate for the St. Laurent pipeline are based on the original design assumptions when the pipeline was designed and installed. If they have been updated with more recent information, please provide details on those updates and how they vary from the original design assumptions.

1-PP-4

Please confirm that ex-franchise (e.g. Quebec) peak demand represents approximately 49% of the St. Laurent pipeline peak demand on a design day. If that is incorrect, please provide the correct percentage and information used to calculate the percentage.

1-PP-5

Reference: Attachment 1 – Quebec Fossil Fuel Ban

Quebec has announced a ban on fossil fuels starting with heating oil and expanding to all fossil fuels including natural gas by 2024. Please explain what considerations this would have for future natural gas demand from the St. Laurent pipeline feeding Quebec.

Source: https://www.cbc.ca/news/canada/montreal/quebec-bans-oil-heating-1.6252420

Montreal

Quebec bans oil heating in new homes starting Dec. 31

As of 2023, new or replacement heating systems powered by fossil fuels banned

Josh Grant · CBC News · Posted: Dec 31, 2021 4:00 AM ET | Last Updated: December 31, 2021

A high-efficiency natural gas furnace, hot water heater and air conditioning system is installed at a home in Ossining, N.Y. In Quebec, the replacement and installation of heating systems powered by fossil fuels will be banned by December 31, 2023. (Craig Ruttle/The Associated Press)

comments

As of Dec. 31, oil-powered heating is banned in all new construction projects across Quebec, part of the province's push to reduce greenhouse gas emissions.

In two years, Quebec will go a step further by making it illegal to replace existing oil furnaces with any sort of heating system powered by fossil fuels after Dec. 31, 2023,

The new rules were laid out in a ministerial decree on oil and gas heating passed in late November.

Cendrix Bouchard, a spokesperson for Hydro-Québec, says it's a step in the right direction and says the utility has the resources to meet increased demand.

"We will supply the new residential customers and businesses with the electricity they need in order to meet their needs."

The new decree also bans the repair of heating systems running on fuel that are more than 20-years-old and oil-powered water heaters that are more than 10-years-old.

"They will use more electricity," said Bouchard of those who have to make the switch to electric heating. "However, their energy consumption bill will not increase because our rates are among the lowest in North America."

"Also, there's a competitive advantage of electricity over oil. One cost, though, will be replacing the equipment."

For Quebecers looking to retrofit their home heating system, Bouchard says Hydro-Québec offers financial assistance through its efficient heat pump program and the government offers a similar program called Chauffez vert.

Homeowners need to do a bit of research on the two programs, the heat pumps that will work for their homes and submit their project to see if they qualify for funding.

Cendrix Bouchard, a spokesperson for Hydro-Québec, says with access to so much renewable, hydroelectric power the province is heading in the direction by making a shift towards electric heating. (CBC)

Province wants to slash building emissions

Quebec says more than 200,000 homes across the province are still heated by fossil fuel and heating accounts for more than 60 per cent of household emissions.

The government believes the new measures will help it hit its target of reducing emissions related to heating buildings by 50 per cent by 2030. Right now, it says oil furnaces generate around a million tonnes of CO2 every year — the equivalent of greenhouse gas emissions from 300,000 cars.

On top of CO2 emissions, oil combustion in heating systems also generates nitrogen oxide, sulphur dioxide and other fine particles that can be harmful to the environment.

The latest available data shows that the province is still lagging behind when it comes to reducing its emissions and will need to make considerable changes if it wants to meet its climate targets.

- **Quebec's emissions are climbing, putting its climate goals in doubt**

Bouchard says it's easier than ever to track how much energy you use, thanks to apps and new technology.

"The biggest advice I can always give to people is, if you want to act on your consumption, you have to understand how you consume," he said.

"Heating will represent roughly 50 per cent of your hydro bill."

By switching to electric thermostats, lowering the temperature in rooms that aren't being used and turning the heating off or way down when you're away, he says people can save themselves some money.

Since over 99 per cent of Quebec's electricity is generated by hydroelectric dams, Bouchard says the province is doing the right thing by embracing a shift to electric heating.

"We're expecting an increase of 12 per cent between now and 2029 and it's due to energy transition," he said.