

ANWAATIN INTERROGATORY #3

INTERROGATORY

Issue 1

Reference: • Exhibit B / Tab 1 / Schedule 1 / pp. 21-23, #61-63, #66 and p. 25, #74
• Issues 1.2, 2.4, 4.1 and 4.2

Preamble: Enbridge indicates that it plans to implement its GES Program in 2018 as a greenhouse gas (**GHG**) emission abatement program to offset natural gas usage. Enbridge also indicates that geothermal systems provide space heating, water heating and cooling, and are typically electrically powered. Enbridge states that it sees geothermal systems as a key way to abate GHG emissions. Deploying geothermal systems where natural gas would otherwise be consumed will offset natural gas usage. Many First Nation communities are not currently served by natural gas.¹

- a) Please explain, with respect to First Nation communities in Ontario, whether the GES Program is intended to facilitate the installation of ground source heat pumps solely in homes currently heated with natural gas.
- b) Please confirm that the GES Program will not include installing ground source heat pumps in electrically- or wood-electric-heated First Nation homes and other buildings.
- c) Please confirm that the GES Program will not include installing ground source heat pumps in propane-heated First Nation homes and other buildings.
- d) Please outline Enbridge's analysis demonstrating that installing a geothermal system in a home on a First Nation reserve — currently heated with natural gas or heated through other means — will be cost-effective for a typical household customer (e.g., when a heat pump is installed in a natural gas-heated home, the net impact on the customer's electricity bill and the customer's natural gas bill would be reduced overall for years 1 to 10).
 - i) If Enbridge has not completed this analysis, please conduct this analysis and provide all supporting documentation including data, assumptions, and analysis for existing heating of typical First Nation reserve homes with (1) natural gas, (2) electricity, and (3) for typical wood-electric heating appliances.

¹ See EB-2016-0004, Final Argument of Anwaatin Inc. (June 20, 2016).

- ii) If Enbridge has completed this analysis, in addition to outlining the analysis, please provide all supporting documentation including data, assumptions, and analysis for existing heating of typical First Nation reserve homes with (1) natural gas, (2) electricity, and (3) for typical wood-electric heating appliances.
- e) Please explain Enbridge's intentions or plans to expand natural gas services to First Nation reserve communities throughout its current and future (Union Gas) service areas to ensure that the program is intentionally inclusive of First Nation reserve households as potential beneficiaries.

RESPONSE

- a) and b) Please see response to Board Staff Interrogatories #10 a) and #12 a) filed at Exhibits I.2.EGDI.STAFF.10 and I.2.EGDI.STAFF.12.
- c) Please see response to part a) above.
- d) Please see Board Staff Interrogatory #10 c) filed at Exhibit I.2.EGDI.STAFF.10 for a comparison with natural gas. Enbridge has not performed the requested analysis of wood-electric heated or electric homes.
- e) In this proceeding Enbridge is proposing a Geothermal Energy Service and RNG Enabling service. Natural gas system expansions are not part of this proceeding.