

ONTARIO GEOTHERMAL ASSOCIATION INTERROGATORIES

ON EVIDENCE OF SOUTHERN BRUCE

Ontario Energy Board Community Expansion Proceeding

EB-2016-0004

1. [Municipalities' Report] Please confirm that the municipalities have not studied whether geothermal, or any other lower carbon energy option, could be implemented instead of natural gas. Please advise why other options were not considered.
2. [Elenchus Report, p. 1] Please confirm that the direct energy cost savings do not take into account any subsidies, contributions in aid of construction, or other such amounts.
3. [Elenchus Report, p. 6] Please reconcile the cost per cubic metre of 18.6 cents on page 5 with 23.04 cents on page 6.
4. [Elenchus Report, p. 7] Please provide the basis for the assumption that full saturation of customer connections will be in 5-7 years.
5. [Elenchus Report, p. 9] Please provide the basis for the statement "Natural gas is the marginal fuel for electricity production during high demand hours in Ontario". Please confirm that there is a negative correlation between space heating demands (heating degree days) and natural gas generation in most years. If that is not confirmed, please provide generation and load data showing the correlation claimed.
6. [Elenchus Report, p. 10] Please restate Table 2 including extraction, transmission and distribution methane emissions for natural gas, converted to CO₂ equivalents, and provide the source and details of the expert's assumptions for those emissions.
7. [Elenchus Report, p. 10] Please restate Table 2 including geothermal space and water heating.
8. [Elenchus Report, p. 12] Please provide the backup calculations, with related data sources, for the conversion cost figure of \$22 million.
9. [Union Gas Report, p. 7, 15, and BLG Report p. 27] Please confirm the current energy source or sources used by each of the five Industrials, and how much of the load of each of the Industrials is process load as opposed to space or water heating load. For each of the Industrials that have no current fuel type, please explain the nature of the need for the proposed natural gas expansion.
10. [BLG Report] Please confirm that geothermal was not considered as an alternative to natural gas in the development of the recommendations in this report.

11. [BLG Report, p. 15] Please confirm that the figures of 50% industrial, 30% residential and 20% commercial are throughput only, and do not reflect expected revenues. Please provide the equivalent percentages on a revenue basis.