

SEC INTERROGATORY #22

INTERROGATORY

Issue 2.4

[B1-1-1, p.21]

With respect to the Geothermal Energy Service Program:

- a. Please provide a breakdown of all the costs for an individual homeowner for installing a geothermal energy system.
- b. What is the expected payback period for the homeowner with and without the GreenON/CCAP subsidy? Please provide details of the calculation.
- c. Please provide a breakdown of all the costs for Enbridge for each incremental homeowner who participates in the Geothermal Energy System Program.

RESPONSE

- a) Please see response to Energy Probe Interrogatory #4(a) filed at Exhibit I.1.EGDI.EP.4.
- b) With the GreenON/CCAP subsidy the cost to the homeowner for the heat pump equipment is roughly the same as it would have been for a natural gas furnace and air conditioner package. There is no capital cost to the homeowner for the geothermal loop when using the Geothermal Energy Service program. On the operating cost basis, the costs are comparable as provided in response to Board Staff Interrogatory #10(c) filed at Exhibit I.2.EGDI.STAFF.10. Overall, the customer is held whole.

Without GreenON/CCAP subsidy, the overall costs to the homeowner will be higher than would be the case for a natural gas furnace and air conditioner package. However, compared to heating oil or propane which are substantially more expensive than natural gas, there are savings.

- c) Assuming a 4 tonne system is installed, the average incremental capital cost for Enbridge to add a new construction home customer would be around \$13,000. This includes direct capital and indirect costs.