

ENBRIDGE GAS DISTRIBUTION INC. RESPONSE TO
ENVIRONMENTAL DEFENCE INTERROGATORY #9

INTERROGATORY

Issue A4: "What are the alternatives to the proposed facilities? Are any alternatives to the proposed facilities preferable to the proposed facilities?"

Reference: Ex. A, Tab 3, Schedule 4, pages 8 & 9

Enbridge states that the "total forecast peak day demand, shown in Table 3, is the incremental load growth plus the load required by the existing customer base."

- a) Does Enbridge's forecast assume that the demand from existing buildings will increase, decrease, or remain constant? Please explain why.
- b) For each year from 2014 to 2025, please provide the forecast *total peak hour* demands (TJ/hour) and average peak hour demands (GJ/hour) from: a) the above-described incremental load growth from new customers, and b) Enbridge's existing customer base in the GTA Project Influence Area. Please also break out your results by residential, commercial, apartment and industrial customers.
- c) Please also provide the requested data in a table covering only the period from 2015 to 2025. This will assist in comparing the data with Enbridge's load forecast at Exhibit A, Tab 3, Schedule 4, which covers only the 2015 to 2025 period.

RESPONSE

- a) The Company utilizes peak hour demand rather than annual demand for network planning purposes. Forecast peak hourly loads for existing customers are assumed to be constant for network planning. Incremental customers by sector are assumed to have lower peak hourly demands based on the year added as per the load gathering process described in the response to Environmental Defence Interrogatory #12 found at Exhibit I.A4.EGD.ED.12. Efficiency gains for the system as a whole are incorporated in the incremental peak demand through the reduction factor as per the response to Environmental Defence Interrogatory #13 found at Exhibit I.A4.EGD.ED.13.

Witness: E. Naczynski

- b) Please refer to the response to Environmental Defence Interrogatory #13 found at Exhibit I.A4.EGD.ED.13 for average by municipality and sector and to the response to Environmental Defence Interrogatory #3 and #5 found at Exhibit I.A4.EGD.ED.3 and Exhibit I.A4.EGD.ED.5 for incremental and total loads by sector.
- c) Please see response to b) above.