

ENBRIDGE GAS DISTRIBUTION INC. RESPONSE TO
ENVIRONMENTAL DEFENCE INTERROGATORY #3

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, page 4, Table 1

Please provide for each year from 2000 to 2025 inclusive the actual/forecast average: a) peak hour (GJ/hour), b) peak day (GJ/day) and c) annual demands (GJ/year) of Enbridge's **incremental**: i) residential, ii) commercial, iii) apartment and iv) industrial customers in the GTA Project Influence Area. Please also provide the aggregate peak hour, peak day and annual demands of each of these customer classes and all of Enbridge's GTA Project Influence Area customers for each year from 2000 to 2025 inclusive.

RESPONSE

Peak load by sector is not measured on an hourly or daily basis. The Company does derive some of this data for network planning purposes as per I.A4.EGD.ED.12. The information provided below is the historical data used for network planning.

Table 1 (please refer to Attachment) provides a summary of the derived peak load in m³/hr from 2006 to 2025. This table shows peak load by customer type in the GTA Project Influence Area for both incremental and total load added, as well as total load for all customers in the GTA Project Influence Area.

Table 2 (please refer to Attachment) provides all the same data as Table 1 but has converted the hourly data to daily.

Data has only been provided for 2006 onward as EGD implemented a new load gathering system. Prior to 2004, load gathering was completed on a legacy main frame system and the archived data is not readily accessible. From 2004 to 2006 there were numerous changes in customer classifications which make year to year comparisons

Witness: E. Naczynski

irrelevant due to changing base data. The load presented excludes unbundled customers.

The conversion from m^3 to GJ as found in the EGD rate handbook is 37.69 MJ/m^3 .

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