

ENBRIDGE GAS DISTRIBUTION INC. RESPONSE TO  
ENVIRONMENTAL DEFENCE INTERROGATORY #5

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 *total peak hour* demands (TJ/hour) and average peak hour demands (GJ/hour) of Enbridge's: a) residential; b) commercial; c) apartment; and d) industrial customers in the GTA Project Influence Area. Please also provide the total peak hour demands for all of these customers for each year from 2000 to 2025 inclusive. Please also provide a further breakdown of the commercial customers by subsets such as offices, retail, hospitals, schools, etc.

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 the response to Environmental Defence Interrogatory #12 found at Exhibit I.A4.EGD.ED.12.

The information provided below is the historical data as used for network planning.

Table 1 (please see attachment) provides a summary of the historical and forecast derived peak load in m<sup>3</sup>/hr from 2006 to 2025. This table shows peak load by customer type for all customers in the GTA Project Influence Area.

The Company does not have further breakdowns of the commercial sector for peak demand.

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

The conversion from m<sup>3</sup> to GJ as found in the EGD rate handbook is 37.69 MJ/m<sup>3</sup>

Witness: E. Naczynski