ENBRIDGE GAS DISTRIBUTION INC. RESPONSE TO BOMA INTERROGATORY #8

INTERROGATORY

Issue: A.1

see A.3.3.Attachment (Map) Figure 1 (Amended)

(a) The evidence provides the Maximum Operating Pressure (MOP) for each of the large diameter XHP pipelines in the GTA influence area. Does the pressure in each of the segments of lines remain constant over the entire length of the line, or does it vary? Please identify any changes to the Maximum Operating Pressure in various segments of the line that may (or may not) be separated by a station, including segments of each of these lines, if the MOP is different on different segments of the lines.

(b) The evidence suggests that some of the lines operate at pressures below the Maximum Operating Pressure. Please explain fully.

(c) Please provide the current operating pressure (2013) for each of those lines or segments on peak day, through the winter season, and during the remainder of the year. To the extent that the lines operate over a range of pressures, please state the range for each line/segment and time of year, and peak day, and discuss the determinants of the range.

RESPONSE

(a) The MOP does not change and is set for the entire segment of a line to which it is designated. Different segments are separated by stations. Yes, the pressure varies over the entire length of line, due to friction losses and variable load conditions due to customer load and weather.

(b) The MOP is the maximum pressure to which a line is qualified to operate by its design and condition. The Operating Pressure is typically set to a level below that pressure to ensure that the MOP is not exceeded. The Operating Pressure varies due to a number of operating and load conditions. The Operating

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Pressure is changed on a regular basis by our Gas Control group to meet contract supplies of gas and to move the gas to different parts of the network. The Operating Pressure is often changed when major projects work is undertaken or for running internal inspection tools. The Operating Pressure is sometimes changed due to temporary restrictions in pressure while integrity assessments are undertaken. The Operating Pressures can also fluctuate as customer and weather conditions change during summer and winter conditions.

(c)

Pipeline	Current operating pressure (2013)	Peak Day Pressures	Winter season operating pressures	Range for each line (if applicable)
NPS 24 Lisgar Line	485 psi	485 psi	485 psi	370 – 485 psi
NPS 36 Parkway North	485 psi	485 psi	485 psi	370 – 485 psi
NPS 20 Lisgar	175 psi	175 psi	175 psi	-
NPS 36 MSL	350 psi	350 psi	350 psi	-
NPS 30 Lisgar to Keele	275 psi	275 psi	275 psi	-
NPS 26 Parkway	375 psi	375 psi	375 psi	-
NPS 30 Don Valley line	450 psi	450 psi	450 psi	350-450 psi

See explanation in (b) for determinants of range.