ENBRIDGE GAS INC.

Answer to Interrogatory from
Federation of Rental Housing Providers of Ontario (FRPO)

Interrogatory

Reference:

Exhibit B, Tab 1, Schedule 1, Section 3,
Exhibit D, Tab 2, Rate Order Working Papers Schedule 11 and
EB-2020-0095 Exhibit I.FRPO.3, .5 and .6
EB-2019-0159 Exhibit A, Tab 7, Schedule 1

Preamble:

In last year's proceeding in FRPO. 5, we asked:

> *Please provide the resulting design day simulation results for this applications Dawn-Parkway system assuming that Parkway deliveries moved to Dawn as a result of the PDO settlement agreement:*
> *a) Were moved*
> *b) Were not moved (i.e., before and after application of existing PDO to show effect)*

While EGI provided a high-level answer, we did not receive the simulation results for that winter.

Question(s):

Please provide the resulting design day simulation results for this applications Dawn-Parkway system assuming that Parkway deliveries moved to Dawn as a result of the PDO settlement agreement:

a) Were moved
b) Were not moved (i.e., before and after application of existing PDO to show effect)
c) Please provide the resulting pressures and flows on a schematic like the example referenced from EB-2019-0159 (even if the minimum inlet design pressure at Parkway is not achieved)
d) Please provide the minimum inlet design pressure required at:
   i) Parkway to compress to TCPL
   ii) Inlet to legacy EGD facilities at Lisgar (entrance to EGD rate zone)

Response:

a - b)

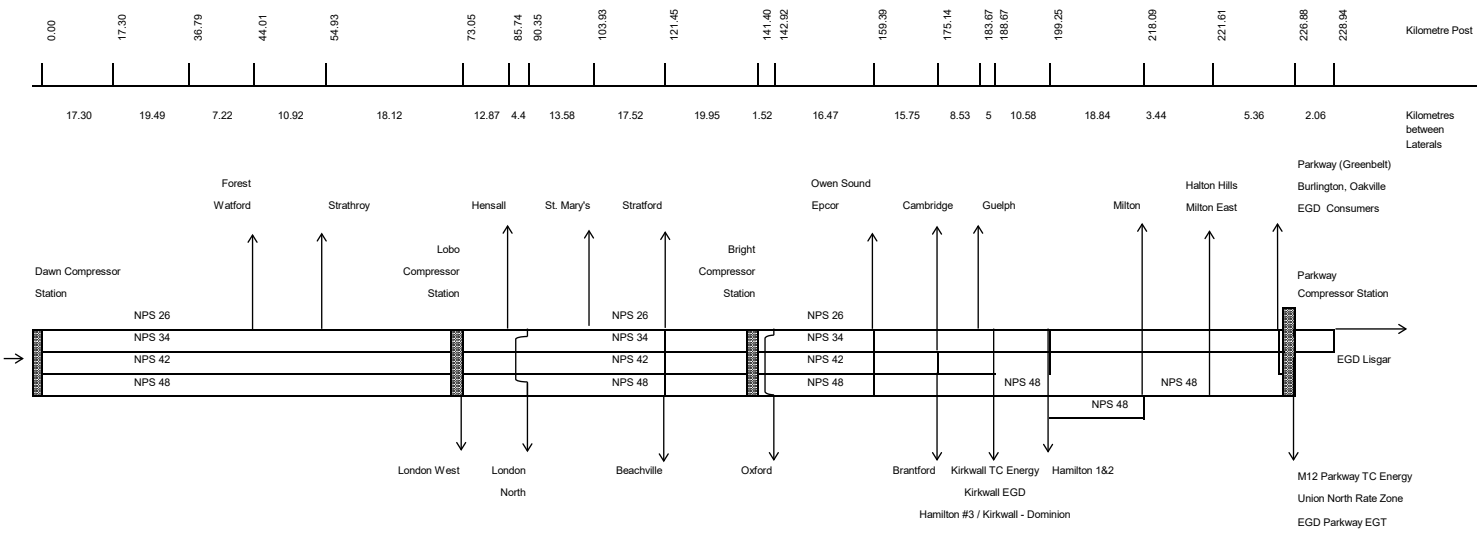
Firm obligated deliveries at Parkway increase the Dawn Parkway System capacity by an equivalent amount. Assuming that firm obligated Parkway deliveries were shifted to Dawn, the Dawn Parkway System capacity would decrease by approximately 244 TJ/d in winter 2022/2023. The 244 TJ/d is equal to the PDO by direct purchase customers without M12 service provided at Exhibit B, Tab 1, Schedule 1, Appendix A, page 1, column (g), row 13. The schematic for Winter 2022/2023 is provided in Attachment 1.

c) Under design day conditions, if the 244 TJ/d of PDO were moved to Dawn, the resulting Dawn Parkway System simulation would be infeasible and will not solve for the design day. The suction pressures at Parkway compressor station would drop below minimum requirements preventing the compressors from being operable. As a result, Parkway's discharge pressure would drop below contractual requirements.

d) i) At Parkway the absolute minimum inlet design pressure to operate the compressors is 3,380 kPag.

ii) The minimum inlet design pressure to legacy EGD facilities at Lisgar is 3,450 kPag.

Dawn Parkway System Demands Winter 2022/2023



Dawn Parkway System Design Day Demands

Infranchise

Union South Rate Zone	(GJ/d)
Forest, Watford	10,804
Strathroy	19,058
London West	147,589
Hensall	46,115
London North	107,297
St. Mary's	8,972
Stratford	43,965
Beachville	60,153
Oxford	47,921
Owen Sound	288,308
Cambridge	84,065
Brantford	111,919
Kirkwall - Dominion	86,453
Guelph	98,693
Hamilton 3	63,779
Hamilton 1&2	288,788
Milton	71,757
Milton East	9,211
Halton Hills	136,834
Parkway (Greenbelt)	24,007
Burlington, Oakville	187,464
Total Union South Rate Zone	**1,943,152**
Union North Rate Zone	**442,149**
EGD Rate Zone	
Kirkwall	70,895
Parkway EGT	800,000
Consumers 1 and 2 / Lisgar	1,393,961
Parkway TC Energy	957,933
Total EGD Rate Zone	**3,222,789**

M12 Exfranchise

Kirkwall	49,500
Parkway TC Energy	2,325,135
Total M12	**2,374,635**
M17 Exfranchise	
Epcor	8,863
Total M17	**8,863**
Total Design Day Demands	**7,991,588**

System Capacity

	(GJ/d)
Total System Capacity	**7,974,631**
(Including Firm Service Receipts of 249,860 (GJ/d)	
Total Requirements	**7,991,588**
Total (Shortfall) Surplus	**(16,957)**

Winter Design Day
Dawn Parkway System
Winter 2022/2023

Compressor Stations Operating Conditions at Peak Hour

STATION	LOBO	BRIGHT	PARKWAY
Power Available (MW)	102.9	129.0	88.1
Power Required (MW)	102.9	129.0	88.1
Pressure			
Suction (kPa)	3,725	3,482	3,592
Discharge (kPa)	5,518	5,930	6,453
Compression Ratio	1.48	1.70	1.80
Flow (GJ/d)	7,325,796	6,902,533	4,287,513
Daily Fuel (GJ/d)	34,529	28,403	18,267