

ENBRIDGE GAS INC.

Answer to Interrogatory from
School Energy Coalition (SEC)

Interrogatory

Reference:

2-7-1, p.22

Question(s):

Please provide a Dawn-Parkway design day schematic (similar to file EB-2022-0133, Exhibit I.FRPO.5, Attach 1) for each winter between 2022/2023 and 2028/2029.

Response:

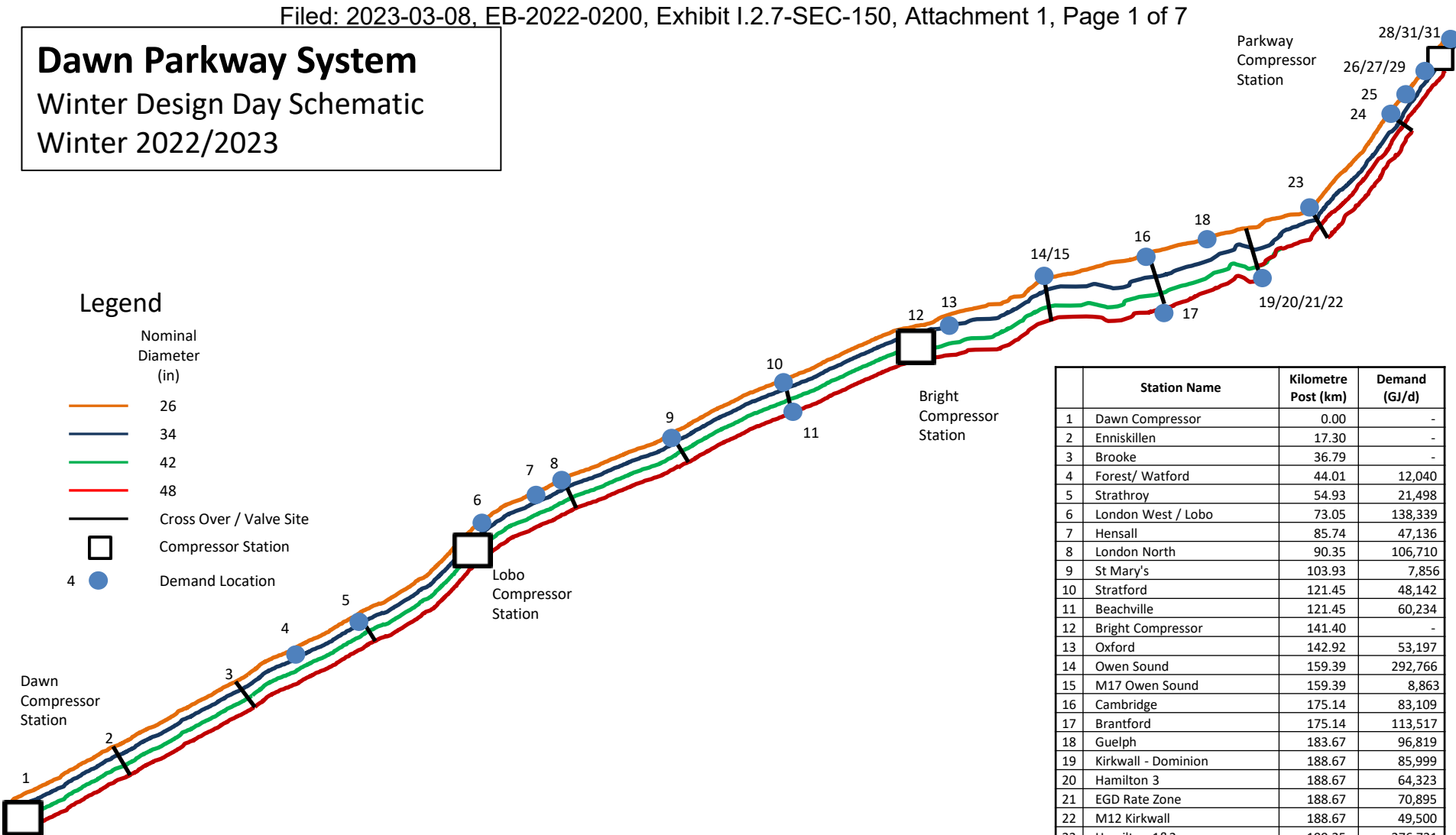
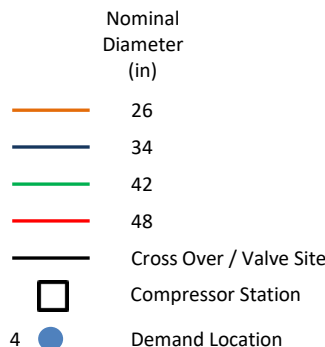
Please see Attachment 1.

Dawn Parkway System

Winter Design Day Schematic

Winter 2022/2023

Legend



System Capacity	GJ/d
Total System Capacity ^{1 2}	8,007,974
Total Demand Requirement	7,947,988
Surplus (Shortfall)	59,986
¹ Includes Parkway Delivery Obligation 256,484 GJ/d	
² Includes Supply at Kirkwall for M12 Contracts and Union Sales Service customers 442,256 GJ/d	

Compressor Station Operating Conditions			
Station	Lobo	Bright	Parkway
Power Available (MW)	102.9	129.0	88.1
Power Required (MW)	102.9	129.0	88.1
Suction Pressure (kPag)	3778	3522	3613
Discharge Pressure (kPag)	5571	5964	6454
Compression Ratio	1.5	1.7	1.8
Flow (GJ/d)	7,376,523	6,945,661	4,316,824
Daily Fuel (GJ/d)	34,354	28,148	17,953

	Station Name	Kilometre Post (km)	Demand (GJ/d)
1	Dawn Compressor	0.00	-
2	Enniskillen	17.30	-
3	Brooke	36.79	-
4	Forest/ Watford	44.01	12,040
5	Strathroy	54.93	21,498
6	London West / Lobo	73.05	138,339
7	Hensall	85.74	47,136
8	London North	90.35	106,710
9	St Mary's	103.93	7,856
10	Stratford	121.45	48,142
11	Beachville	121.45	60,234
12	Bright Compressor	141.40	-
13	Oxford	142.92	53,197
14	Owen Sound	159.39	292,766
15	M17 Owen Sound	159.39	8,863
16	Cambridge	175.14	83,109
17	Brantford	175.14	113,517
18	Guelph	183.67	96,819
19	Kirkwall - Dominion	188.67	85,999
20	Hamilton 3	188.67	64,323
21	EGD Rate Zone	188.67	70,895
22	M12 Kirkwall	188.67	49,500
23	Hamilton 1&2	199.25	276,731
24	Milton	218.09	72,102
25	Halton Hills	221.61	145,598
26	Parkway Greenbelt	228.94	24,359
27	Burlington / Bronte	228.94	189,671
28	North Rate Zone	228.94	439,241
29	EGD Rate Zone Suction	228.94	1,393,961
30	EGD Rate Zone Discharge	228.94	1,720,246
31	M12 Parkway	228.94	2,325,135
Total South Rate Zone			1,940,147
Total North Rate Zone			439,241
Total EGD Rate Zone			3,185,102
Total Ex-franchise			2,383,498
Total Design Day Demand			7,947,988