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November 28, 2014

Ontario Energy Board
P.O. Box 2319
2300 Yonge Street, 27th Floor
Toronto, Ontario M4P 1E4

Filed Electronically

Attention: Ms. Kirsten Walli, Board Secretary

Dear Ms. Walli:

**Re: Union 2016 Facilities Application
EB-2014-0261
TransCanada PipeLines Limited (TCPL)
Interrogatories to Union Gas Limited (Union)**

In accordance with the requirements in Procedural Order No. 1 dated November 18, 2014, please find attached TCPL's Interrogatories to Union.

If the Board requires additional information with respect to this filing, please contact Greg Ng by phone at (403) 920-6487 or by email at greg_ng@transcanada.com.

Yours truly,
TransCanada PipeLines Limited

Original signed by

Catharine Davis
Vice President, Pipelines Law

cc: Karen Hockin, Union Gas Limited (electronic only)
Crawford Smith, Torys LLP (electronic only)

Attachments

ONTARIO ENERGY BOARD
EB-2014-0261

IN THE MATTER OF the Ontario Energy Board Act, 1998, S.O. 1998, c.15, Schedule B (the "Act");

AND IN THE MATTER OF an application by Union Gas Limited for an order or orders granting leave to construct natural gas pipelines and ancillary facilities in the City of Hamilton, the City of Burlington, and the Town of Milton;

AND IN THE MATTER OF an application by Union Gas Limited for an order or orders granting leave to construct a compressor station in the Municipality of Middlesex Centre;

AND IN THE MATTER OF an application by Union Gas Limited for an order or orders for pre-approval of recovery of the cost consequences of all facilities associated with the development of natural gas pipelines and ancillary facilities and the compressor station.

To: Ms. Kirsten Walli
Board Secretary
Ontario Energy Board

TRANSCANADA PIPELINES LIMITED
INTERROGATORIES TO UNION GAS LIMITED

IR Number: TCPL Interrogatory No.1 to Union

Reference: Exhibit A, Tab 6, Schedules 1-3.

Preamble: Union provides M12 Dawn to Kirkwall Contracts with End Dates and Termination Dates.

Request: Please provide updates to Exhibit A, Tab 6, Schedules 1, 2 and 3 to reflect the most up to date information including all elections received to date.

Response:

IR Number: TCPL Interrogatory No.2 to Union

Reference: Exhibit A, Tab 6 and Exhibit I.A1.UGL.TCPL.1 attachments 1 and 2 in Union's /EB-2012-0433/EB-2013-0074 proceeding (see the attached for reference).

Preamble: Union provides various levels of information on M12, M12-X and C1 contracts. TransCanada would like to see all M12, M12-X and C1 contracts assembled into one document.

Request: i) Please provide updates to Attachments 1 and 2 referenced above including all M12, M12-X and C1 contracts on the Dawn-Parkway system that have a term of 1 year or longer in pdf and excel format in effect as of Nov01, 2014.

Please sort the contracts by expiry date and by customer as shown in the Attachments.

ii) Please provide the same information with respect to all M12, M12-X and C1 contracts that Union believes will be in effect as of Nov01, 2016 in accordance with this application.

Please sort the contracts by expiry date and by customer as shown in the Attachments.

Response:

IR Number: TCPL Interrogatory No.3 to Union

Reference: i) Exhibit A, Tab 3.

ii) Exhibit A, Tab 9.

iii) EB-2007-0606 /EB-2007-0615, Exhibit JTA.24 (see the attached for reference)

Preamble: Union provides a project summary and project costs and economics in Tabs 3 and 9.

Request: Please provide an update to Exhibit JTA.24 (attached) that includes each expansion of the Dawn to Parkway system since 2007 including the expansion requested in this application using a similar format to that shown in Exhibit JTA.24. Please show originally estimated and actual Design Day Capacity values, originally estimated and actual Capital Cost Values and originally estimated and actual Capital Cost per Unit Capacity Added with supporting references where possible in a format similar to that shown in Exhibit JTA.24 Attachment.

Response:

M12, M12x and C1 Dawn-Parkway Contracts as at May 1, 2013 - Sorted by Expiry Date

Customer Name	Contract Identifier	Receipt Point	Delivery Point	Contracted Quantity (GJ)	Contracted Parkway-TCPL (GJs)	Start Date	End Date
J. Aron & Company	M12192	Dawn	Parkway	50,000	50,000	1-Aug-10	31-Oct-13
TransCanada PipeLines Limited	M12124	Dawn	Parkway	64,147	64,147	1-Nov-08	31-Oct-13
York Energy Centre LP	C10102	Dawn	Parkway	11,654	11,654	1-Apr-12	31-Mar-15
1425445 Ontario Limited o/a Utilities Kingston	M12127	Dawn	Parkway	2,113	2,113	1-Nov-08	31-Oct-15
Enbridge Gas Distribution Inc.	M12125	Dawn	Parkway	10,692	0	1-Nov-08	31-Oct-15
Enbridge Gas Distribution Inc.	M12188	Dawn	Parkway	18,703	18,703	1-Nov-11	31-Oct-15
St. Lawrence Gas Company, Inc.	M12126	Dawn	Parkway	10,785	10,785	1-Nov-08	31-Oct-15
Suncor Energy Products Partnership Produits Suncor Energic, S.E.N.C.	M12217	Dawn	Parkway	15,000	15,000	1-Nov-11	31-Oct-15
1425445 Ontario Limited o/a Utilities Kingston	M12077	Dawn	Parkway	11,322	11,322	1-Apr-04	31-Mar-16
Gaz Métro Limited Partnership	M12132	Dawn	Parkway	52,343	52,343	1-Apr-09	31-Mar-16
Gaz Métro Limited Partnership	M12172	Dawn	Parkway	22,908	22,908	1-Apr-10	31-Mar-16
Gaz Métro Limited Partnership	M12176	Dawn	Parkway	88,728	88,728	1-Apr-11	31-Mar-16
Central Hudson Gas & Electric Corporation (a subsidiary of CH Energy Group, Inc.)	M12182	Dawn	Parkway	5,467	5,467	1-Nov-11	31-Oct-16
Connecticut Natural Gas Corporation	M12166	Dawn	Parkway	6,410	6,410	1-Nov-11	31-Oct-16
Consolidated Edison Company of New York, Inc. and Orange and Rockland Utilities, Inc.	M12171	Dawn	Parkway	21,825	21,825	1-Nov-11	31-Oct-16
Gaz Métro Limited Partnership	M12007D	Dawn	Parkway	21,021	21,021	1-Nov-91	31-Oct-16
Gaz Métro Limited Partnership	M12092	Dawn	Parkway	35,000	35,000	1-Nov-06	31-Oct-16
KeySpan Gas East Corporation d/b/a National Grid	M12163	Dawn	Parkway	43,837	43,837	1-Nov-11	31-Oct-16
Niagara Mohawk Power Corporation d/b/a National Grid	M12186	Dawn	Parkway	55,123	55,123	1-Nov-11	31-Oct-16
The Brooklyn Union Gas Company d/b/a National Grid NY	M12165	Dawn	Parkway	44,019	44,019	1-Nov-11	31-Oct-16
The Corporation of the City of Kitchener	M12090	Dawn	Parkway	4,000	4,000	1-Nov-06	31-Oct-16
The Narragansett Electric Company d/b/a National Grid	M12164	Dawn	Parkway	1,081	1,081	1-Nov-11	31-Oct-16
TransAlta Cogeneration, L.P.	M12081	Dawn	Parkway	11,809	11,809	1-Nov-06	31-Oct-16
TransCanada PipeLines Limited	M12086	Dawn	Parkway	119,787	119,787	1-Nov-06	31-Oct-16
Bay State Gas Company dba Columbia Gas of Massachusetts	M12204	Dawn	Parkway	27,803	27,803	1-Nov-10	31-Oct-17
Boston Gas Company d/b/a National Grid	M12197	Dawn	Parkway	9,282	9,282	1-Nov-10	31-Oct-17
Boston Gas Company d/b/a National Grid	M12199	Dawn	Parkway	2,158	2,158	1-Nov-10	31-Oct-17
Central Hudson Gas & Electric Corporation (a subsidiary of CH Energy Group, Inc.)	M12195	Dawn	Parkway	10,792	10,792	1-Nov-10	31-Oct-17
Colonial Gas Company d/b/a National Grid	M12198	Dawn	Parkway	6,475	6,475	1-Nov-10	31-Oct-17
Connecticut Natural Gas Corporation	M12201	Dawn	Parkway	18,077	18,077	1-Nov-10	31-Oct-17
EnergyNorth Natural Gas, Inc.	M12200	Dawn	Parkway	4,317	4,317	1-Nov-10	31-Oct-17
KeySpan Gas East Corporation d/b/a National Grid	M12194	Dawn	Parkway	17,162	17,162	1-Nov-10	31-Oct-17
Northern Utilities, Inc.	M12205	Dawn	Parkway	6,333	6,333	1-Nov-10	31-Oct-17
The Brooklyn Union Gas Company d/b/a National Grid NY	M12193	Dawn	Parkway	12,953	12,953	1-Nov-10	31-Oct-17
The Southern Connecticut Gas Company	M12202	Dawn	Parkway	34,950	34,950	1-Nov-10	31-Oct-17
Yankee Gas Services Company	M12203	Dawn	Parkway	43,116	43,116	1-Nov-10	31-Oct-17
Connecticut Natural Gas Corporation	M12206	Dawn	Parkway	9,170	9,170	1-Nov-10	31-Oct-18
Enbridge Gas Distribution Inc.	M12080	Dawn	Parkway	106,000	106,000	1-Nov-06	31-Oct-18
Greater Toronto Airports Authority	M12120	Dawn	Parkway	7,500	7,500	1-Nov-07	31-Oct-18
KeySpan Gas East Corporation d/b/a National Grid	M12209	Dawn	Parkway	22,772	22,772	1-Nov-10	31-Oct-18
The Brooklyn Union Gas Company d/b/a National Grid NY	M12208	Dawn	Parkway	30,217	30,217	1-Nov-10	31-Oct-18
The Southern Connecticut Gas Company	M12207	Dawn	Parkway	13,970	13,970	1-Nov-10	31-Oct-18
TransCanada Power, a Division of TransCanada Energy Ltd.	M12131	Dawn	Parkway	132,000	132,000	1-Nov-09	31-Oct-18
U.S. Steel Canada Inc.	M12085	Dawn	Parkway	17,351	17,351	1-Nov-06	31-Oct-18
Vermont Gas Systems, Inc.	M12119	Dawn	Parkway	20,000	20,000	1-Nov-07	31-Oct-18
Yankee Gas Services Company	M12210	Dawn	Parkway	20,560	20,560	1-Nov-10	31-Oct-18
Connecticut Natural Gas Corporation	M12214	Dawn	Parkway	6,489	6,489	1-Nov-10	31-Oct-19
Enbridge Gas Distribution Inc.	M12108	Dawn	Parkway	57,100	57,100	1-Nov-07	31-Oct-19
GreenField Ethanol Inc.	M12156	Dawn	Parkway	3,000	3,000	1-Nov-08	31-Oct-19
The Southern Connecticut Gas Company	M12213	Dawn	Parkway	9,735	9,735	1-Nov-10	31-Oct-19
Yankee Gas Services Company	M12212	Dawn	Parkway	5,380	5,380	1-Nov-10	31-Oct-19
Ag Energy Co-operative Ltd.	M12151	Dawn	Parkway	1,600	1,600	1-Nov-08	31-Oct-20
Vermont Gas Systems, Inc.	M12190	Dawn	Parkway	500	500	1-Nov-10	31-Oct-20
TransCanada PipeLines Limited	M12X004	Dawn	Parkway	50,000	50,000	1-Sep-11	31-Aug-21
TransCanada PipeLines Limited	M12X005	Dawn	Parkway	78,316	78,316	1-Sep-11	31-Aug-21
Ag Energy Co-operative Ltd.	M12167	Dawn	Parkway	1,900	1,900	1-Nov-11	31-Oct-21
BP Canada Energy Group ULC	M12087	Dawn	Parkway	20,000	20,000	1-Nov-06	31-Oct-22
Enbridge Gas Distribution Inc.	M12079B *	Dawn	Parkway	1,764,678	137,285	1-Apr-04	31-Oct-22
Enbridge Gas Distribution Inc.	M12X006	Dawn	Parkway	200,000	200,000	1-Nov-12	31-Oct-22
York Energy Centre LP	M12184	Dawn	Parkway	76,000	76,000	1-Apr-12	31-Oct-22
TransCanada PipeLines Limited	M12X013	Dawn	Parkway	62,695	62,695	1-Nov-12	31-Oct-23
Gaz Métro Limited Partnership	M12109	Dawn	Parkway	65,000	65,000	1-Nov-07	31-Oct-27
Goreway Station Partnership by its managing partner Goreway Power Station Holdings ULC	M12110	Dawn	Parkway	140,000	140,000	1-Nov-07	31-Oct-28
Portlands Energy Centre L.P., by its General Partner, Portlands Energy Centre Inc.	M12130	Dawn	Parkway	100,000	100,000	13-Jan-09	31-Oct-28

Customer Name	Contract Identifier	Receipt Point	Delivery Point	Contracted Quantity (GJ)	Contracted Parkway-TCPL (GJs)	Start Date	End Date
Emera Energy Incorporated	M12221	Kirkwall	Parkway	36,751	36,751	1-Nov-12	31-Oct-22
TransCanada PipeLines Limited	M12219	Kirkwall	Parkway	88,497	88,497	1-Nov-12	31-Oct-22
TransCanada PipeLines Limited	M12220	Kirkwall	Parkway	174,752	174,752	1-Nov-13	31-Oct-23

Customer Name	Contract Identifier	Receipt Point	Delivery Point	Contracted Quantity (GJ)	Start Date	End Date
TransCanada PipeLines Limited	M12157	Dawn	Kirkwall	53,440	1-Nov-10	31-Oct-13
TransCanada PipeLines Limited	M12122	Dawn	Kirkwall	146,560	1-Nov-08	31-Oct-14
Dynegy Gas Imports, LLC	M12170	Dawn	Kirkwall	38,306	1-Nov-08	31-Oct-15
Enbridge Gas Distribution Inc.	M12079A *	Dawn	Kirkwall	32,123	1-Apr-04	31-Oct-15
Enbridge Gas Distribution Inc.	M12175	Dawn	Kirkwall	35,806	1-Nov-10	31-Oct-15
TransCanada PipeLines Limited	M12012	Dawn	Kirkwall	62,602	1-Nov-94	31-Oct-15
TransCanada PipeLines Limited	M12123	Dawn	Kirkwall	158,003	1-Nov-08	31-Oct-15
Consolidated Edison Company of New York, Inc. and Orange and Rockland Utilities, Inc.	M12162	Dawn	Kirkwall	31,746	1-Nov-11	31-Oct-16
National Fuel Gas Distribution Corporation	M12196	Dawn	Kirkwall	10,791	1-Nov-10	31-Oct-17
KeySpan Gas East Corporation d/b/a National Grid	M12116	Dawn	Kirkwall	138,600	1-Nov-07	31-Oct-18
National Fuel Gas Distribution Corporation	M12211	Dawn	Kirkwall	15,904	1-Nov-10	31-Oct-20
Thorold CoGen L.P. by its General Partner Northland Power Thorold Cogen GP Inc.	M12129	Dawn	Kirkwall	49,500	1-Sep-09	31-Aug-29

Customer Name	Contract Identifier	Receipt Point	Delivery Point	Contracted Quantity (GJ)	Start Date	End Date
Enbridge Gas Distribution Inc.	C10059	Parkway	Dawn	236,586	1-Apr-06	31-Mar-16
St. Lawrence Gas Company, Inc.	C10076	Parkway	Dawn	10,785	1-Apr-07	31-Mar-16
Gaz Métro Limited Partnership	C10087	Parkway	Dawn	100,000	1-Apr-11	31-Mar-16

*Note: these contracts were formerly recognized as M12079 that started April 1, 2004 and both were shown on the most recent Index of Customers - Transport

M12, M12x and C1 Dawn-Parkway Contracts as at May 1, 2013 - Sorted by Customer

Customer Name	Contract Identifier	Receipt Point	Delivery Point	Contracted Quantity (GJ)	Contracted Parkway-TCPL (GJs)	Start Date	End Date
1425445 Ontario Limited o/a Utilities Kingston	M12127	Dawn	Parkway	2,113	2,113	1-Nov-08	31-Oct-15
1425445 Ontario Limited o/a Utilities Kingston	M12077	Dawn	Parkway	11,322	11,322	1-Apr-04	31-Mar-16
Aq Energy Co-operative Ltd.	M12151	Dawn	Parkway	1,600	1,600	1-Nov-08	31-Oct-20
Aq Energy Co-operative Ltd.	M12167	Dawn	Parkway	1,900	1,900	1-Nov-11	31-Oct-21
Bay State Gas Company dba Columbia Gas of Massachusetts	M12204	Dawn	Parkway	27,803	27,803	1-Nov-10	31-Oct-17
Boston Gas Company d/b/a National Grid	M12197	Dawn	Parkway	9,282	9,282	1-Nov-10	31-Oct-17
Boston Gas Company d/b/a National Grid	M12199	Dawn	Parkway	2,158	2,158	1-Nov-10	31-Oct-17
BP Canada Energy Group ULC	M12087	Dawn	Parkway	20,000	20,000	1-Nov-06	31-Oct-22
Central Hudson Gas & Electric Corporation (a subsidiary of CH Energy Group, Inc.)	M12182	Dawn	Parkway	5,467	5,467	1-Nov-11	31-Oct-16
Central Hudson Gas & Electric Corporation (a subsidiary of CH Energy Group, Inc.)	M12195	Dawn	Parkway	10,792	10,792	1-Nov-10	31-Oct-17
Colonial Gas Company d/b/a National Grid	M12198	Dawn	Parkway	6,475	6,475	1-Nov-10	31-Oct-17
Connecticut Natural Gas Corporation	M12166	Dawn	Parkway	6,410	6,410	1-Nov-11	31-Oct-16
Connecticut Natural Gas Corporation	M12201	Dawn	Parkway	18,077	18,077	1-Nov-10	31-Oct-17
Connecticut Natural Gas Corporation	M12206	Dawn	Parkway	9,170	9,170	1-Nov-10	31-Oct-18
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Enbridge Gas Distribution Inc.	M12125	Dawn	Parkway	10,692	0	1-Nov-08	31-Oct-15
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Enbridge Gas Distribution Inc.	M12080	Dawn	Parkway	106,000	106,000	1-Nov-06	31-Oct-18
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Gaz Métro Limited Partnership	M12007D	Dawn	Parkway	21,021	21,021	1-Nov-91	31-Oct-16
Gaz Métro Limited Partnership	M12092	Dawn	Parkway	35,000	35,000	1-Nov-06	31-Oct-16
Gaz Métro Limited Partnership	M12109	Dawn	Parkway	65,000	65,000	1-Nov-07	31-Oct-27
Goreway Station Partnership by its managing partner Goreway Power Station Holdings ULC	M12110	Dawn	Parkway	140,000	140,000	1-Nov-07	31-Oct-28
Greater Toronto Airports Authority	M12120	Dawn	Parkway	7,500	7,500	1-Nov-07	31-Oct-18
GreenField Ethanol Inc.	M12156	Dawn	Parkway	3,000	3,000	1-Nov-08	31-Oct-19
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Niagara Mohawk Power Corporation d/b/a National Grid	M12186	Dawn	Parkway	55,123	55,123	1-Nov-11	31-Oct-16
Northern Utilities, Inc.	M12205	Dawn	Parkway	6,333	6,333	1-Nov-10	31-Oct-17
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TransCanada PipeLines Limited	M12X004	Dawn	Parkway	50,000	50,000	1-Sep-11	31-Aug-21
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TransCanada PipeLines Limited	M12157	Dawn	Kirkwall	53,440	1-Nov-10	31-Oct-13
TransCanada PipeLines Limited	M12122	Dawn	Kirkwall	146,560	1-Nov-08	31-Oct-14
TransCanada PipeLines Limited	M12012	Dawn	Kirkwall	62,602	1-Nov-94	31-Oct-15
TransCanada PipeLines Limited	M12123	Dawn	Kirkwall	158,003	1-Nov-08	31-Oct-15

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UNION GAS LIMITED

Undertaking of Union Gas
To Association of Major Power Producers of Ontario ("APPRO")

Confirm next phase of expansion for the purpose of M12 to be in the form of the addition of compression; confirm unit cost for capacity resulting from addition of compression is lower than addition of capacity from previous expansions that have taken place under M12; when you would expect the next expansion to occur in the form of the addition of compression.

The next phase of Union's expansion plans for the Dawn-Trafalgar transmission system consists of additional compression at the Bright compressor station commencing in 2008. This project will be followed by additional compression at Lobo and Dawn compressor stations and construction of the single pipeline section remaining to complete the NPS 48 fourth transmission line looping program from Dawn to Parkway. The estimated incremental cost per unit of capacity from potential future compression additions is expected to be greater than the cost per unit of capacity for the next pipeline section to be constructed and the existing M12 toll. As a result, the overall impact of potential future Dawn-Trafalgar expansion projects over the incentive regulation planning horizon which would otherwise put upward cost pressure on M12 transportation rates will be something Union has to manage under incentive regulation.

The attached schedule provides the capital cost per unit of capacity based on the 2007 approved cost of service study, the approved facilities for 2006, 2007 and 2008, and the potential facilities beyond 2008 that would complete the 4th loop of the Dawn-Trafalgar system.

The unit cost of capacity associated with the facilities beyond 2008 is based on high level estimates, that will be refined as we get closer to actual construction.

Question: October 3, 2007
Answer: October 11, 2007
Docket: EB-2007-0606 / EB-2007-0615

TRANSMISSION FACILITIES EXPANSION PROGRAM
Long-Term Expansion Plan for the Dawn-Trafalgar System
Additional Capital Investments
To Complete the 4th Loop and Compression at Lobo and Bright

	Design Day Capacity Added (MMcfd)	Facility Capital Costs (\$000's)	Capital Cost per Unit Capacity Added (\$/Mcf)
<u>Existing Dawn-Trafalgar Facilities</u>			
Net Plant Per the 2007 Approved Cost of Service Study	5,678.7	772,646	136.1
<u>Current Projects Completed or Proceeding 2006-07</u>			
Facilities Completed in 2006:			
Brooke-Strathroy & Hamilton-Milton Pipeline Sections	371.6	108,556	292.1
Parkway Compressor Upgrade	-	848	-
Dawn Compressor	-	47,934	-
Total	371.6	157,338	423.4
Facilities Pending Completion in 2007:			
Strathroy-Lobo Pipeline Section	248.3	55,905	225.2
Parkway "B" Compressor	239.8	72,095	300.6
Total	488.1	128,000	262.2
Total Projects Completed or Proceeding in 2006-07	859.7	285,338	331.9
<u>Future Expansion Plans</u>			
Scheduled for Completion in 2008			
Bright "C" Compressor Upgrade	322.2	57,400	178.2
Total Facilities 2008	322.2	57,400	178.2
Future Facilities Planned in 2009 and Beyond:			
Lobo "C" Compressor	218.9	94,542	431.9
Brantford-Kirkwall Pipeline Section	259.1	68,970	266.2
Dawn Compressor	-	54,000	-
Sub-Total Brantford-Kirkwall & Dawn Compressor	259.1	122,970	474.6
Lobo "D" Compressor	136.3	81,370	597.0
Total Future Facilities 2009+	614.3	298,882	486.5
Total Future Expansion Plans	936.5	356,282	380.4
<u>Total Long Term Dawn-Trafalgar System Facilities</u>	<u>1,796.2</u>	<u>641,620</u>	<u>357.2</u>
<u>Breakdown Between Compression & Pipeline Projects</u>			
Current Projects Completed or Proceeding 2006-07:			
Compression	239.8	120,877	504.1
Pipeline	619.9	164,461	265.3
Total Completed to 2007	859.7	285,338	331.9
Future Expansion Plans			
Compression	677.4	287,312	424.1
Pipeline	259.1	68,970	266.2
Total Future Expansion Plans	936.5	356,282	380.4