

**TransCanada PipeLines Limited Response to  
Building Owners and Managers Association Interrogatory #1**

**Preamble:** At page 5 of its evidence, TCPL states:

"Despite the disincentives to invest in new capacity on the Mainline that arise from the RH-003-2011 Decision, TransCanada is in discussions with the eastern LDCs to find a way to expand TransCanada's capacity in the Eastern Triangle in a manner that meets the incremental requirements of the LDCs while providing TransCanada with a reasonable expectation that it will recover its existing and future investments".

**Request:** In TCPL's (Johannson's) June 17, 2013 letter to the eastern LDCs, there is reference to a Segmentation Proposal presented to the LDCs in a letter dated May 17, 2013, which "provides a framework to satisfy the LDCs' concerns over access to multiple sources of gas, and future capacity on the EOT".

Please provide a copy of the June 17, 2013 letter and the Segmentation Proposal.

**Response:**

Please refer to Attachment 1 to BOMA 1 for the letter from June 17, 2013. The segmentation proposal is the subject of current negotiations with the Eastern LDCs and as such is privileged and confidential.



**TransCanada**

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**Karl Johannson.**  
President  
Natural Gas Pipelines

June 17, 2013

Mrs. Sophie Brochu  
President & CEO  
Gaz Metro  
1717 rue de Havre  
Montreal, QC  
H2K 2X3

Mr. Steve Baker  
President  
Union Gas Limited  
50 Keil Drive North  
Chatham, ON  
N7M 5M1

Mr. Guy Jarvis  
President  
Enbridge Gas Distribution Inc.  
500 Consumers Road  
Toronto, ON  
M2J 1P8

Thank you for attending the meeting on June 4, 2013 with Russ, Steve and myself to discuss your transportation requirements. I thought the meeting was productive and I trust that we all have a better understanding of the constraints each of us is operating under today.

I would take this opportunity to address some of the Eastern LDC's concerns, as outlined in Ms. Brochu's letter of June 7, 2013, and further discuss our views on some of the issues that arose in our meeting.

It is clear that the current NEB toll Decision has made the deployment of new capital challenging. The Decision has set fixed tolls that do not cover the costs of operating our Mainline system. It defers substantial amounts and places TransCanada under a threat of disallowance of some or all of those costs. The primary tool given to TransCanada to bridge this gap is pricing flexibility on discretionary services. It is TransCanada's view that it cannot rely solely on discretionary services to generate the substantial revenues required for it to meet its costs and earn a fair return. The Mainline must incentivize its shippers to contract for the long term in order to maximize revenues, stabilize rates, and position it to seize on new opportunities to reduce its costs or expand its services. When we do build for new opportunities, we must recover the full cost of any new expansion, including a return of and on capital, and any revenue foregone, due for example to switching volumes from long haul to short haul.

It is imperative for the viability of the Mainline that shippers with firm needs contract for long term firm services to meet those needs. This ensures that the costs of the system are being borne by those who rely on it; stabilizes our revenue long term; reduces the amount of discretionary revenue we would otherwise be required to raise to cover our costs; and provides a clearer picture of the capacity and facilities we require to serve existing and new shippers long term, and a clearer

picture of what opportunities are available for new services, cost savings, or redeployment of facilities to reduce costs. This approach is required by the Board's direction. Accordingly, we will be providing an open season for short term shippers on our system that now wish to firm up their service arrangements as well as new markets seeking mainline service. As noted above, however, we must recover the full cost of any new expansion, including a return of and on capital, and recovery of any revenue foregone (due to switching volumes from long haul to short haul or otherwise). TransCanada stands ready to invest in expansions that will meet these objectives.

With regard to your desire for additions in the EOT that would allow shippers to switch to short haul services and displace long haul volumes, the NEB Decision has made it very difficult for TransCanada to facilitate these as it has in the past. Again, the Decision's fixed tolls mean that the revenue deficiency realized from the transfer of services from long haul to short haul are not collectible in the short term and are very uncertain in the long term. Thus, there was no other choice for TransCanada but to cancel the Parkway to Maple expansion as it recently did. The revenue shortfall caused by allowing shippers to switch from long haul to short haul would have been in excess of \$200 million per year. Under the now imminent new rates structure, this deficiency would have accrued as a negative deferral in the Toll Stabilization Adjustment account (TSA), with the risk that these losses could be visited on TransCanada at the end of the tolling period. This one project alone could have created in excess of a \$400 million deferral in the TSA.

Nevertheless, TransCanada does not see the Decision as preventing us entirely from expanding the system to accommodate new volumes, or even to accommodate shippers switching their volumes from Empress to Dawn so long as the objectives to recover the full costs are met as I have described above. In addition to the open season for shippers to "firm up" their services, we are in the process of developing incremental tolls for new incremental short haul and long haul business and will be providing an open season for this purpose also by the end of June.

In order to be efficient in the use of existing infrastructure and the creation of new infrastructure, TransCanada must continue to seek changes to the Mainline tariff renewal provisions to allow it to require long term commitments from shippers in areas of the system that could be utilized to reduce expansions for new service requests, retire, or redeploy facilities (as in the oil conversion). We also feel it is imperative that we have the discretion to deny renewals that are exercised in ways that would have the effect of precluding a more valuable opportunity for the Mainline system from being pursued, without any commitment from existing shippers to contribute to system revenues through long term financial commitments. As you know, the NEB recently required that we refile the changes we continue to seek to the renewal provisions of the tariff. We are doing so today. We understand that these changes make our customers uncomfortable, but it is TransCanada's view that the renewal option is a relic of an old cost of service paradigm that no longer exists. In the new paradigm, long term commitments and a clear view to opportunities for incremental revenue or reduced costs must be given our highest priority.

In our meeting and Ms. Brochu's letter, you raised concerns over the conversion to oil of facilities that provide short haul capacity in the EOT. It is our perspective that these facilities are not

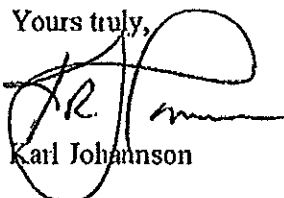
reserved for firm natural gas service in the period the oil project would require them, and shippers have largely resisted committing to this capacity for the long term. In fact, we have offered this capacity to gas shippers through continuous open seasons but current shippers have chosen not to contract for this capacity on a long term firm basis. It is unreasonable to expect TransCanada to keep the existing short haul capacity in the EOT for the exclusive use of gas customers in the EOT pursuant only to short term or interruptible commitments. The proposal to transfer some of the Mainline facilities to oil service essentially has brought forward a long term, long haul market that can recover TransCanada's long-term investment. Given the choice of gas customers to contract only for minimal periods, the oil service market is clearly the highest value market for these assets.

To be economically viable and meet the in-service dates required by the conversion project, however, the full path through the Prairies, NOL and EOT must be made available for conversion. Retention of all existing EOT facilities for continued gas service would have the effect of standing over two thirds of the system proposed to be used by the oil shippers in the Prairies and NOL. Conversion will benefit Mainline shippers by reducing costs across the Mainline system. To the extent that there is a shortfall of capacity in the EOT that results from the conversion of those facilities, TransCanada is committed to building new facilities to ensure service for existing and incremental long term firm demand in the EOT. We will not foreclose options for customers who are willing to fully compensate the Mainline for its costs and to commit long-term to cost recovery on the system.

The Segmentation proposal we presented to you in our May 17 letter provides a framework to satisfy the LDC's concerns over access to multiple sources of gas, and future capacity in the EOT. This proposal is acceptable to TransCanada because it will allow capital investment in the EOT and ensure the viability of the Mainline system as a whole, while meeting its shippers' needs for flexibility and reliability. We look forward to continuing to work with each of you to mutually advance this proposal. Should we successfully implement an alternative such as the Segmentation proposal, TransCanada is willing to consider replacement (with rolled-in tolls) of any incremental tolling arrangements for new facilities placed into service in the interim.

I will have my Commercial East team contact your offices later this week to schedule meetings to examine the Segmentation model in more detail.

Yours truly,



Karl Johansson

c: Russ Girling  
Steve Clark

**TransCanada PipeLines Limited Response to  
Building Owners and Managers Association Interrogatory #2**

**Preamble:** At page 5 of its evidence, TCPL states:

"In 2010, TCPL and Union Gas worked together to facilitate the transportation of Marcellus shale gas sourced at the Niagara receipt point on the TCPL system to Eastern Canadian markets. TCPL contracted for Union M12 capacity between Kirkwall and Parkway to transport some of the gas, which began to flow in November 2012".

- Request:**
- (a) Has TCPL completed the modification to the Chippewa Station to allow gas from the US to flow into Canada at Chippewa? Please provide details.
  - (b) What is the current capacity of the Chippewa Station, the Niagara Station, and the Niagara Line, all in GJs/day?
  - (c) Do these capacities vary at all from one month of the year to another?
  - (d) What is the design day capacity of each of the above if they vary from the "normal capacity"?
  - (e) What is the current percentage utilization of capacity?
  - (f) Is the Niagara Line currently used for export purposes at all? Please provide details.
  - (g) Is the Niagara Line used to supply domestic LDC load? If so, at what gate stations or entry points, and how much gas GJs/day is supplied to each LDC, or large industrial user, if any, egg. to Union at Hamilton, to Enbridge in the St.Catharines area?
  - (h) What is the remaining capacity for transport into Ontario of gas from the US? Has TCPL any plans to increase capacity on the Niagara Line? Has it recently increased capacity?
  - (i) Is the Niagara Line fully bidirectional over its entire length? Please explain how bidirectional flows are achieved in operational terms.
  - (j) Please provide a map showing the Niagara Line, and the Niagara and Chippewa border points, and each LDC, or large industrial gate station on the line.

- (k) Please provide a list of, or a link to a site, to show the holders of capacity on the Niagara Line, and the amount of capacity held by each.
- (l) TCPL recently announced modifications to its Hamilton Line.
  - (i) Please provide a map of TCPL's Hamilton Line, showing its connection(at either end) and each LDC gate station on the line.
  - (ii) What is the nature of the modifications?
  - (iii) How is the Hamilton Line currently being used? To the extent it is used to deliver gas to the Union CDA (Hamilton, Burlington, Oakville, et al), please provide the daily and annual amounts delivered at each Union gate station over each of the last five years and forecast for 2013.
  - (iv) What is the total design day capacity of the Hamilton Line?
  - (v) What is the annual capacity utilization of the line on peak day, average winter day, and average summer day?
  - (vi) Is the Hamilton Line currently being used to deliver US sourced gas to Enbridge or Union? Please provide details and amounts.
  - (vii) Is the Hamilton Line bidirectional, or is it being modified to become bidirectional?
  - (viii) Do shippers contract separately for the Hamilton Line segment, or is it contracted as part of Niagara Line, or Empress/Union CDA, or Dawn, Union EDA or some other arrangement? Please explain.
  - (ix) Has Union decreased its takes from the Hamilton Line over the last five years, or increased them, at its various gate stations?

**Response:**

- (a) At this time, TransCanada is unable to physically receive gas at the Chippawa Meter Station, as there have been no long-term firm transportation contracts executed to transport gas from Chippawa.

- (b) As noted in the response to (a) above, firm Chippawa receipt capacity is currently zero.

Firm Niagara Falls receipt metering capacity is 439 TJ/d and as a result the firm Niagara Falls Line capacity is also 439 TJ/d.

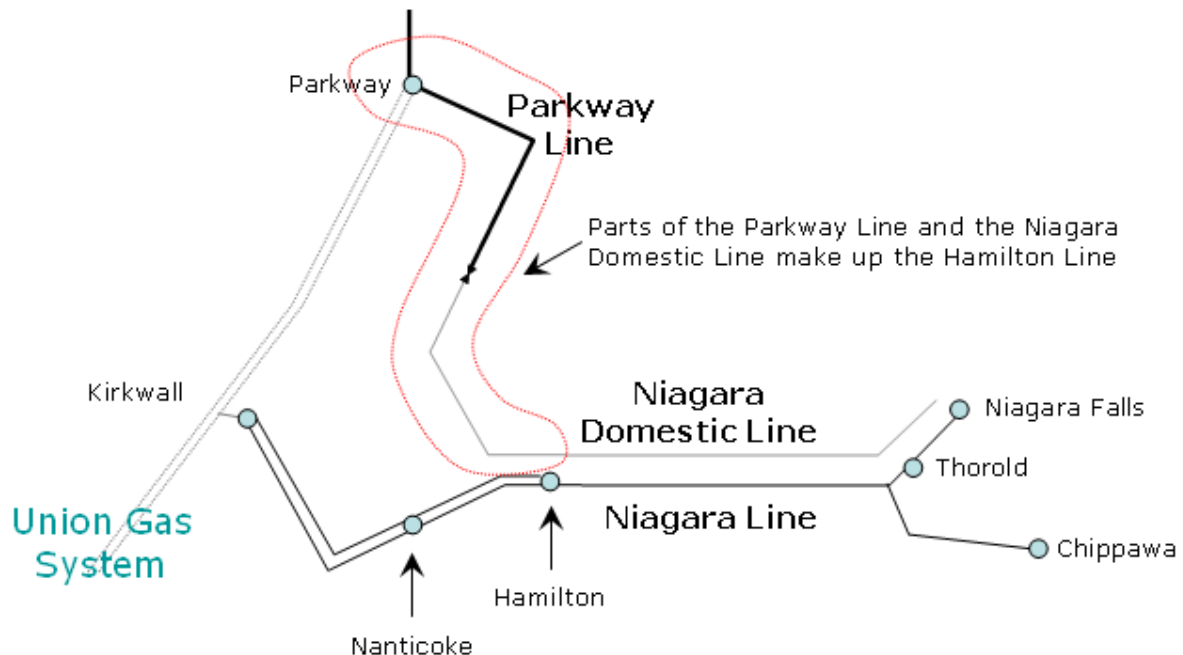
- (c) No. The capacities are determined by metering capabilities which are largely unaffected by month or year.
- (d) Please refer to the response to BOMA 2(a) above.
- (e) The receipt point is fully contracted and utilization is approximately 100%.
- (f) Shippers, at times, will nominate for export at Niagara Falls and Chippawa. Currently at Niagara Falls, delivery nominations are exceeded by receipt nominations resulting in a net physical receipt at the Niagara Falls meter station. As Chippawa is not bi-directional, it is currently only able to deliver.
- (g) Union interconnects on the Niagara Falls Line include Nanticoke and Hamilton Gate. Over the last year, Nanticoke has ranged between 0 and 77 TJ/d while Hamilton Gate has ranged between 0 and 30 TJ. Thorold is an interconnect feeding a power plant and flows have ranged from 0 to 50 TJ. In addition, the Niagara Falls Line can feed gas to the Niagara Domestic Line and flows have ranged between 0 and 145 TJ.
- (h) There are three pipelines that can currently transport Marcellus shale-sourced gas to the Canadian Border. Empire State Pipeline is able to transport 350,000 Dth/day to the Canadian border at Chippawa. The National Fuel system can transport 320,000 Dth/day to the border at Niagara Falls. The Tennessee Gas Pipeline System can transport 150,000 Dth/day to the Canadian border at Niagara Falls and is currently soliciting interest from Marcellus and Utica producers to transport additional volumes to the border.

Currently, 410 TJ/d of this gas is contracted on the Canadian Mainline from Niagara Falls. There is potential for the remaining volumes to be contracted at either Niagara Falls or Chippawa for transportation on the TransCanada system.

TransCanada has not expanded its receipt capacity at Niagara Falls beyond what was done for November 1, 2012.

- (i) The line between Kirkwall and Niagara Falls is fully bi-directional. The line over to Chippawa is not. As part of the expansion to make Niagara Falls bi-directional, the Kirkwall compressor station was also made bi-directional. Yard piping was added such that the compressor is able to draw from Niagara Falls and deliver to Union at Kirkwall, or vice versa.

(j)

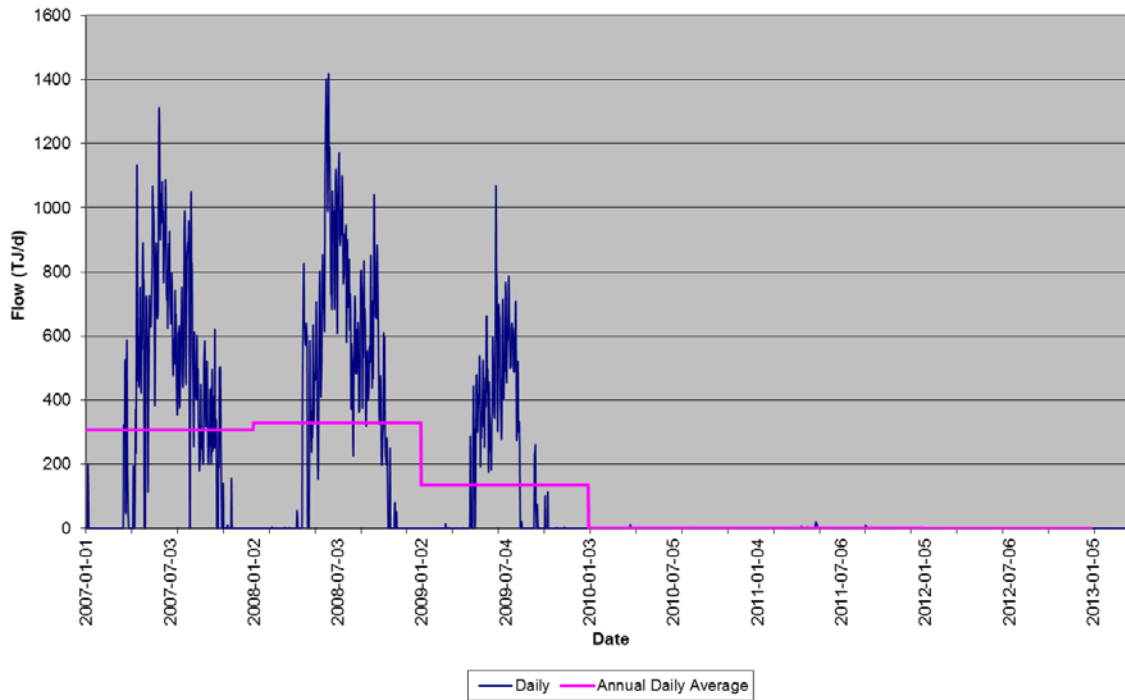


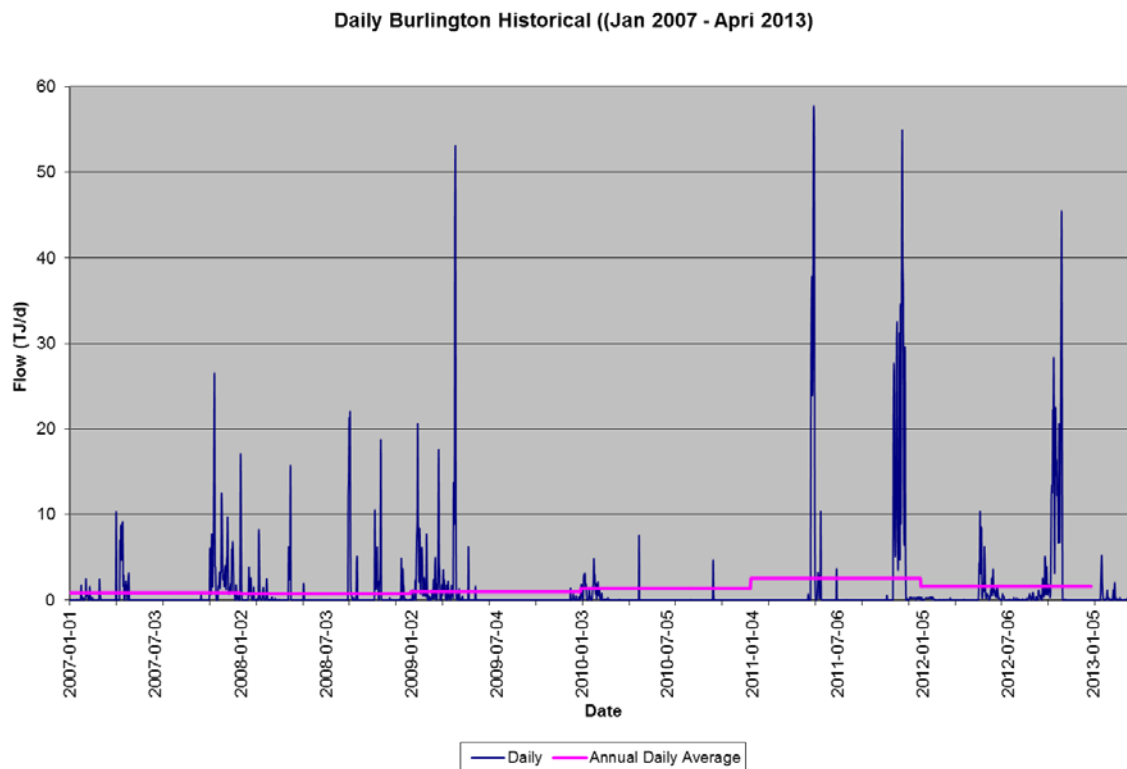
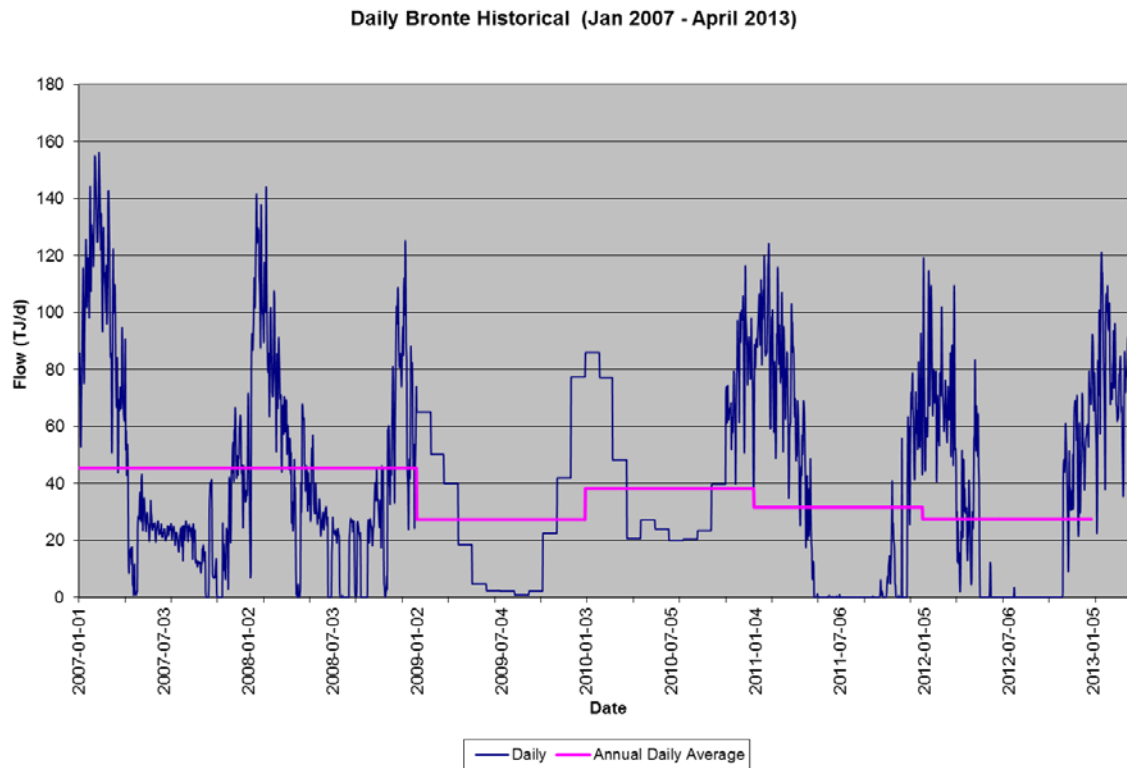
- (k) Please refer to BOMA 2 Attachment 2A, which is the TransCanada CDE table showing all firm contracts on the system. Shippers contracts that may flow on the Niagara Falls line include contracts with delivery points to Niagara Falls or Chippawa, or receipt points at Niagara Falls.
- (l) (i) The term “Hamilton Line” has been used to refer to the mainline between Parkway and Hamilton. Please see the map in the response to BOMA 2(j) above. LDC gate stations on this line are Parkway Consumers and Parkway Union, Bronte and Burlington.
- (ii) Modifications to the Hamilton Line to provide the service to Enbridge from the MOU are as follows:
- Meter Station modifications at Parkway to separate the Parkway Consumers meter station from the interconnection with Union at Parkway.
  - A control valve at Parkway to allow operational control of the flow of gas from facilities operating at a high pressure to facilities operating at a low pressure.
  - Approximately 200 m of new NPS 36 connecting the Niagara Falls Line to the Niagara Falls Domestic line at a location just west of Hamilton and a new control valve to allow TransCanada to control the pressure on the Niagara Falls Domestic Line at that location.




- (iii) Charts of the historical data for Parkway Union, Bronte and Burlington are provided below. TransCanada expects 2013 flows to be similar to 2012. The modifications proposed for the MOU volumes will not in any way impede TransCanada's ability to provide service to the Union delivery points on the line in a cost effective manner.

Daily Parkway Union Historical (Jan 2007 - April 2013)





- (iv) The design day capability of the Hamilton Line to transport gas south from Parkway and excluding the deliveries at Parkway is 340 TJ/d.
- (v) TransCanada does not measure the flow of gas on the Hamilton Line and is therefore unable to determine the utilization.
- (vi) No. Although US gas is being imported through Niagara Falls, the Hamilton Line is currently not being used to deliver it to the four delivery points on the Hamilton Line. This gas is imported through the export line to Kirkwall and then through Union TBO to the markets.
- (vii) There are no physical constraints to bidirectional flow on the Hamilton Line. The proposed modifications are only required to provide the service to be requested by Enbridge in the new capacity open season in accordance with the MOU.
- (viii) The Hamilton Line is part of TransCanada's integrated system and therefore shippers do not contract separately for the Hamilton Line segment. Meters off of the Hamilton Line would be accessed by contracts to the Union CDA, or through the new Parkway Enbridge CDA that Enbridge will contract for under the terms of the MOU.
- (ix) Please refer to the response to BOMA 2(l) (iii) for the historical deliveries over the last five years


CONTRACT DEMAND ENERGY (CDE) REPORT - Mainline										
As Of Date: 2013-Jul-10										
Service Type: FT, FT-NR, FT-SN, STS										
Contract Number	Service Requester	Contract Start Date	Contract End Date	Service Type	Primary Receipt	Primary Delivery	Contract Demand (GJ/d)	Operational Demand (GJ/d)	Shifted Qty (GJ/d)	Temp Assigned Qty (GJ/d)
5107	Bunge Canada	1994-Nov-01	2014-Oct-31	FT	Welwyn	Centram MDA	1,332	1,332	0	0
37575	Centra Gas Manitoba Inc.	2009-Nov-01	2014-Oct-31	FT	Empress	Centram MDA	90,000	90,000	0	0
44646	Centra Gas Manitoba Inc.	2012-Nov-01	2014-Oct-31	FT	Emerson 2	Centram MDA	20,625	20,625	0	0
44686	Centra Gas Manitoba Inc.	2012-Nov-01	2014-Oct-31	FT	Emerson 2	Centram MDA	375	375	0	0
29802	Diageo Canada Inc.	2006-May-15	2014-Oct-31	FT	Empress	Centram MDA	400	0	0	400
29803	Diageo Canada Inc.	2006-May-15	2014-Oct-31	FT	Empress	Centram MDA	2,400	0	0	2,400
41189	Gerdau Ameristeel Corporation	2011-Jan-01	2014-Mar-31	FT	Empress	Centram MDA	1,000	1,000	0	0
45603	Husky Energy Marketing Inc.	2012-Nov-01	2013-Oct-31	FT	Empress	Centram MDA	5,000	5,000	0	0
45574	Koch Canada Energy Services, LP	2012-Nov-01	2013-Oct-31	FT	Welwyn	Centram MDA	3,750	3,750	0	0
45709	Koch Canada Energy Services, LP	2012-Nov-01	2013-Oct-31	FT	Empress	Centram MDA	41,000	41,000	0	0
47150	Koch Canada Energy Services, LP	2013-Jul-10	2014-Oct-31	FT	Empress	Centram MDA	13,000	13,000	0	0
5665	Maple Leaf Foods Inc.	1995-Nov-01	2014-Oct-31	FT	Empress	Centram MDA	706	0	0	706
26474	McCain Foods Limited	2005-Mar-01	2014-Oct-31	FT	Empress	Centram MDA	1,200	0	0	1,200
35633	McCain Foods Limited	2008-Nov-01	2014-Oct-31	FT	Empress	Centram MDA	1,700	1,700	0	0
						<b>Centram MDA Total</b>	<b>182,488</b>	<b>177,782</b>	<b>0</b>	<b>4,706</b>
3036	Centra Gas Manitoba Inc.	1993-Dec-01	2014-Oct-31	FT	Empress	Centram SSDA	1,200	1,200	0	0
45654	TransGas Limited	2012-Nov-01	2013-Oct-31	FT	Empress	Centram SSDA	1,507	1,507	0	0
						<b>Centram SSDA Total</b>	<b>2,707</b>	<b>2,707</b>	<b>0</b>	<b>0</b>
41825	Resolute FP Canada Inc.	2011-Feb-01	2013-Oct-31	FT	Empress	Centrat MDA	2,500	2,500	0	0
6309	Union Gas Limited	1996-Jul-01	2014-Dec-31	FT	Empress	Centrat MDA	4,522	4,522	0	0
						<b>Centrat MDA Total</b>	<b>7,022</b>	<b>7,022</b>	<b>0</b>	<b>0</b>
36758	Dynegy Gas Imports, LLC	2008-Dec-01	2015-Oct-31	FT	Kirkwall	Chippawa	41,491	41,491	0	0
36759	Dynegy Gas Imports, LLC	2008-Dec-01	2015-Oct-31	FT	St. Clair	Chippawa	124,142	71,389	0	52,753
35799	KeySpan Gas East Corporation	2008-Nov-01	2018-Oct-31	FT	Kirkwall	Chippawa	137,157	0	0	137,157
41226	National Fuel Gas Distribution Corporation	2006-Nov-01	2017-Oct-31	FT	Kirkwall	Chippawa	10,699	0	0	10,699
41227	National Fuel Gas Distribution Corporation	2007-Nov-01	2020-Oct-31	FT	Kirkwall	Chippawa	15,794	0	0	15,794
2939	Rochester Gas and Electric Corporation	1993-Nov-01	2014-Oct-31	FT	St. Clair	Chippawa	107,541	0	0	107,541
						<b>Chippawa Total</b>	<b>436,824</b>	<b>112,880</b>	<b>0</b>	<b>323,944</b>
18342	Canton Central School District	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	63	0	0	63
27539	Canton Central School District	2005-Nov-01	2014-Oct-31	FT	Empress	Cornwall	3	0	0	3
13292	City of Ogdensburg	1999-Nov-01	2014-Oct-31	FT	Empress	Cornwall	19	0	0	19
18321	Clarkson University	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	525	0	0	525
18320	Heuvelton Central School District	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	34	0	0	34
18349	Hoosier Magnetics, Inc.	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	330	0	0	330
18338	Lisbon Central School District	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	19	0	0	19
27537	Lisbon Central School District	2005-Nov-01	2014-Oct-31	FT	Empress	Cornwall	2	0	0	2
18328	Madrid-Waddington Central School District	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	26	0	0	26
18318	Massena Central School District	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	135	0	0	135
27538	Massena Central School District	2005-Nov-01	2014-Oct-31	FT	Empress	Cornwall	4	0	0	4
18341	Norwood-Norfolk Central School District	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	49	0	0	49
31593	Ogdensburg City School District	2006-Nov-01	2014-Oct-31	FT	Empress	Cornwall	19	0	0	19
31594	Ogdensburg City School District	2006-Nov-01	2014-Oct-31	FT	Empress	Cornwall	75	0	0	75
18340	Potsdam Central School District	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	83	0	0	83
19233	St. Lawrence Gas Company, Inc.	2002-Nov-01	2014-Oct-31	STS	Union Parkway Belt	Cornwall	10,300	10,300	0	0
19331	St. Lawrence Gas Company, Inc.	2003-Nov-01	2014-Oct-31	FT	Empress	Cornwall	7,100	7,100	0	0


**CONTRACT DEMAND ENERGY (CDE) REPORT - Mainline**


As Of Date: 2013-Jul-10

Service Type: FT, FT-NR, FT-SN, STS


Contract Number	Service Requester	Contract Start Date	Contract End Date	Service Type	Primary Receipt	Primary Delivery	Contract Demand (GJ/d)	Operational Demand (GJ/d)	Shifted Qty (GJ/d)	Temp Assigned Qty (GJ/d)
21988	St. Lawrence Gas Company, Inc.	2003-Nov-01	2014-Oct-31	FT	Empress	Cornwall	3,200	3,200	0	0
13375	St. Lawrence University	1999-Nov-01	2014-Oct-31	FT	Empress	Cornwall	362	0	0	362
33328	St. Lawrence University	2007-Nov-01	2014-Oct-31	FT	Empress	Cornwall	54	0	0	54
43348	St. Lawrence-Lewis BOCES	2011-Nov-01	2014-Oct-31	FT	Empress	Cornwall	25	0	0	25
18317	St. Regis Nursing Home and Health Related Facility, Inc.	2002-Nov-01	2014-Oct-31	FT	Empress	Cornwall	29	0	0	29
						<b>Cornwall Total</b>	<b>22,456</b>	<b>20,600</b>	<b>0</b>	<b>1,856</b>
33321	Bay State Gas Company	2007-Nov-01	2018-Mar-31	FT	Union Dawn	East Hereford	16,881	0	0	16,881
46546	DTE Energy Trading, Inc.	2013-Apr-01	2014-Mar-31	FT-NR	North Bay Junction	East Hereford	36,927	36,927	0	0
46545	Emera Energy Incorporated	2013-Apr-01	2014-Mar-31	FT-NR	North Bay Junction	East Hereford	5,275	5,275	0	0
33322	Northern Utilities, Inc.	2007-Nov-01	2018-Mar-31	FT	Union Dawn	East Hereford	35,872	0	0	35,872
						<b>East Hereford Total</b>	<b>94,955</b>	<b>42,202</b>	<b>0</b>	<b>52,753</b>
47148	BP Canada Energy Group ULC	2013-Jul-10	2014-Oct-31	FT	Empress	Emerson 1	9,000	9,000	0	0
47152	BP Canada Energy Group ULC	2013-Jul-10	2014-Oct-31	FT	Empress	Emerson 1	5,000	5,000	0	0
47139	Cargill Limited	2013-Jul-04	2014-Oct-31	FT	Empress	Emerson 1	10,551	10,551	0	0
47115	ConocoPhillips Canada Marketing & Trading ULC	2013-Jul-01	2014-Jun-30	FT	Empress	Emerson 1	10,551	10,551	0	0
47122	ConocoPhillips Canada Marketing & Trading ULC	2013-Jul-01	2014-Jun-30	FT	Empress	Emerson 1	15,826	15,826	0	0
						<b>Emerson 1 Total</b>	<b>50,928</b>	<b>50,928</b>	<b>0</b>	<b>0</b>
47084	BP Canada Energy Group ULC	2013-Jul-01	2014-Jun-30	FT	Empress	Emerson 2	10,000	10,000	0	0
47149	BP Canada Energy Group ULC	2013-Jul-10	2014-Oct-31	FT	Empress	Emerson 2	85,000	85,000	0	0
47153	BP Canada Energy Group ULC	2013-Jul-10	2014-Oct-31	FT	Empress	Emerson 2	85,000	85,000	0	0
47140	Cargill Limited	2013-Jul-04	2014-Oct-31	FT	Empress	Emerson 2	10,551	10,551	0	0
47147	Cargill Limited	2013-Jul-09	2014-Oct-31	FT	Empress	Emerson 2	10,551	10,551	0	0
2771	Centra Gas Manitoba Inc.	1993-Apr-01	2014-Mar-31	STS	Centram MDA	Emerson 2	54,000	54,000	0	0
12359	City of Duluth	1999-Nov-01	2014-Oct-31	FT	Empress	Emerson 2	6,532	0	0	6,532
47151	Freepoint Commodities LLC	2013-Jul-10	2014-Oct-31	FT	Empress	Emerson 2	5,275	5,275	0	0
						<b>Emerson 2 Total</b>	<b>266,909</b>	<b>260,377</b>	<b>0</b>	<b>6,532</b>
20394	Ag Energy Co-operative Ltd.	2003-Nov-01	2014-Oct-31	FT	Union Dawn	Enbridge CDA	4,700	4,700	0	0
1349	Enbridge Gas Distribution Inc.	1989-Nov-01	2014-Oct-31	FT	Empress	Enbridge CDA	40,093	34,164	0	5,929
2623	Enbridge Gas Distribution Inc.	1992-Nov-01	2014-Oct-31	STS	Union Parkway Belt	Enbridge CDA	153,700	153,700	0	0
15957	Enbridge Gas Distribution Inc.	2001-Nov-01	2014-Oct-31	STS	Union Parkway Belt	Enbridge CDA	92,822	92,822	0	0
18786	Enbridge Gas Distribution Inc.	2002-Nov-01	2014-Oct-31	STS	Union Parkway Belt	Enbridge CDA	37,370	37,370	0	0
20260	Enbridge Gas Distribution Inc.	2003-Nov-01	2014-Oct-31	FT	Union Dawn	Enbridge CDA	4,818	4,818	0	0
20266	Enbridge Gas Distribution Inc.	2003-Nov-01	2014-Oct-31	FT	Union Dawn	Enbridge CDA	145,000	102,768	0	42,232
29244	Enbridge Gas Distribution Inc.	2006-Apr-01	2014-Oct-31	FT	Empress	Enbridge CDA	15,000	14,507	0	493
35516	Enbridge Gas Distribution Inc.	2008-Nov-01	2014-Oct-31	FT	Union Parkway Belt	Enbridge CDA	572	572	0	0
38826	Enbridge Gas Distribution Inc.	2009-Nov-01	2014-Oct-31	FT	Empress	Enbridge CDA	8,375	8,375	0	0
20383	Greater Toronto Airports Authority	2003-Nov-01	2014-Oct-31	FT	Union Dawn	Enbridge CDA	1,100	1,100	0	0
28756	Greater Toronto Airports Authority	2006-Apr-01	2018-Oct-31	FT	Union Parkway Belt	Enbridge CDA	7,500	3,900	0	3,600
20395	Ingredion Canada Incorporated	2003-Nov-01	2014-Dec-31	FT	Union Dawn	Enbridge CDA	4,398	4,398	0	0
45503	J.P. Morgan Commodities Canada Corporation	2012-Nov-01	2022-Oct-31	FT	Niagara Falls	Enbridge CDA	211,011	211,011	0	0
20224	Oxy Vinyls Canada Co.	2003-Apr-01	2014-Oct-31	FT	Union Dawn	Enbridge CDA	1,800	1,800	0	0
38224	Shell Energy North America (Canada) Inc.	2009-Oct-01	2014-Oct-31	FT	Union Dawn	Enbridge CDA	2,600	2,600	0	0
						<b>Enbridge CDA Total</b>	<b>730,859</b>	<b>678,605</b>	<b>0</b>	<b>52,254</b>

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1140	Enbridge Gas Distribution Inc.	1989-Aug-08	2014-Oct-31	STS	Union Parkway Belt	Enbridge EDA	35,089	35,089	0	0
1338	Enbridge Gas Distribution Inc.	1989-Nov-01	2014-Oct-31	FT	Empress	Enbridge EDA	32,357	25,137	0	7,220
2172	Enbridge Gas Distribution Inc.	1991-Nov-01	2014-Oct-31	FT	Empress	Enbridge EDA	21,584	18,608	0	2,976
5019	Enbridge Gas Distribution Inc.	1994-Nov-01	2014-Oct-31	FT	Empress	Enbridge EDA	7,613	7,613	0	0
5445	Enbridge Gas Distribution Inc.	1995-Nov-01	2014-Oct-31	FT	Empress	Enbridge EDA	19,692	19,692	0	0
5834	Enbridge Gas Distribution Inc.	1995-Nov-01	2014-Oct-31	FT	Empress	Enbridge EDA	10,773	10,773	0	0
6646	Enbridge Gas Distribution Inc.	1996-Nov-01	2014-Oct-31	FT	Empress	Enbridge EDA	10,773	10,773	0	0
10862	Enbridge Gas Distribution Inc.	1997-Nov-01	2014-Oct-31	FT	Empress	Enbridge EDA	26,952	26,952	0	0
13307	Enbridge Gas Distribution Inc.	1999-Nov-01	2014-Oct-31	STS	Union Parkway Belt	Enbridge EDA	35,806	35,806	0	0
21854	Enbridge Gas Distribution Inc.	2003-Nov-01	2014-Oct-31	STS	Union Parkway Belt	Enbridge EDA	9,716	9,716	0	0
21987	Enbridge Gas Distribution Inc.	2003-Nov-01	2014-Oct-31	FT	Union Dawn	Enbridge EDA	114,000	101,800	0	12,200
34937	Enbridge Gas Distribution Inc.	2008-Nov-01	2014-Oct-31	FT	Empress	Enbridge EDA	25,000	25,000	0	0
36057	Enbridge Gas Distribution Inc.	2009-Nov-01	2014-Oct-31	FT	Empress	Enbridge EDA	42,226	42,226	0	0
43857	Enbridge Gas Distribution Inc.	2012-Feb-01	2014-Oct-31	FT	Empress	Enbridge EDA	451	451	0	0
						<b>Enbridge EDA Total</b>	<b>392,032</b>	<b>369,636</b>	<b>0</b>	<b>22,396</b>
44175	BP Canada Energy Group ULC	2012-Apr-01	2014-Oct-31	FT	Iroquois	GMIT EDA	8,267	8,267	0	0
44176	BP Canada Energy Group ULC	2012-Apr-01	2014-Oct-31	FT	Iroquois	GMIT EDA	18,685	18,685	0	0
20562	Domtar Inc.	2003-May-01	2014-Oct-31	FT	Empress	GMIT EDA	1,500	1,500	0	0
1141	Gaz Metro Limited Partnership	1985-Nov-01	2014-Apr-15	STS	Union Parkway Belt	GMIT EDA	25,629	25,629	0	0
1741	Gaz Metro Limited Partnership	1990-Oct-01	2014-Oct-31	FT	Empress	GMIT EDA	180,000	180,000	0	0
6245	Gaz Metro Limited Partnership	1996-Apr-16	2014-Apr-15	STS	Union Parkway Belt	GMIT EDA	125,545	125,545	0	0
16106	Gaz Metro Limited Partnership	2001-Nov-01	2014-Oct-31	STS	Union Parkway Belt	GMIT EDA	45,000	45,000	0	0
20268	Gaz Metro Limited Partnership	2003-Nov-01	2014-Oct-31	FT	Union Dawn	GMIT EDA	50,000	30,000	0	20,000
21989	Gaz Metro Limited Partnership	2005-Nov-01	2015-Oct-31	FT	Union Dawn	GMIT EDA	40,000	5,000	0	35,000
22306	Gaz Metro Limited Partnership	2005-Nov-01	2015-Oct-31	STS	Union Parkway Belt	GMIT EDA	20,000	20,000	0	0
22521	Gaz Metro Limited Partnership	2003-Nov-01	2014-Oct-31	FT	Union Dawn	GMIT EDA	20,000	0	0	20,000
33680	Gaz Metro Limited Partnership	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	GMIT EDA	65,000	0	0	65,000
37573	J.P. Morgan Commodities Canada Corporation	2009-Nov-01	2014-Oct-31	FT	Iroquois	GMIT EDA	10,000	10,000	0	0
39572	J.P. Morgan Commodities Canada Corporation	2010-Nov-01	2014-Oct-31	FT	Iroquois	GMIT EDA	3,048	3,048	0	0
29557	TransCanada Energy Ltd.	2006-Dec-02	2018-Dec-31	FT	Union Dawn	GMIT EDA	100,000	15,068	0	84,932
						<b>GMIT EDA Total</b>	<b>712,674</b>	<b>487,742</b>	<b>0</b>	<b>224,932</b>
1085	Gaz Metro Limited Partnership	1988-Nov-01	2014-Oct-31	FT	Empress	GMIT NDA	12,397	12,397	0	0
21659	Gaz Metro Limited Partnership	2003-Nov-01	2014-Oct-31	FT	Empress	GMIT NDA	2,930	2,930	0	0
						<b>GMIT NDA Total</b>	<b>15,327</b>	<b>15,327</b>	<b>0</b>	<b>0</b>
36992	Goreway Station Partnership	2009-Jan-01	2028-Oct-31	FT-SN	Union Parkway Belt	Goreway CDA	20,000	20,000	0	0
36993	Goreway Station Partnership	2009-Jan-01	2014-Oct-31	FT-SN	Union Parkway Belt	Goreway CDA	120,000	120,000	0	0
						<b>Goreway CDA Total</b>	<b>140,000</b>	<b>140,000</b>	<b>0</b>	<b>0</b>
41234	Bay State Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	27,498	0	0	27,498
41218	Boston Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	2,134	0	0	2,134
41229	Boston Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	9,180	0	0	9,180
5507	Brooklyn Navy Yard Cogeneration Partners, L.P.	1996-Oct-01	2016-Oct-31	FT	Empress	Iroquois	26,956	0	0	26,956
41233	Central Hudson Gas & Electric Corporation	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	10,674	10,674	0	0
42389	Central Hudson Gas & Electric Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	5,399	5,399	0	0
41219	Colonial Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	6,404	0	0	6,404
41224	Connecticut Natural Gas Corporation	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	264	264	0	0

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41225	Connecticut Natural Gas Corporation	2008-Nov-01	2019-Oct-31	FT	Union Parkway Belt	Iroquois	6,436	6,436	0	0
41238	Connecticut Natural Gas Corporation	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	17,879	17,879	0	0
41239	Connecticut Natural Gas Corporation	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	8,807	8,807	0	0
42382	Connecticut Natural Gas Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	6,330	6,330	0	0
42379	Consolidated Edison Company of New York, Inc.	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	11,859	0	0	11,859
42380	Consolidated Edison Company of New York, Inc.	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	9,695	0	0	9,695
40085	Enbridge Gas Distribution Inc.	2010-Sep-01	2014-Mar-31	FT	Union Dawn	Iroquois	40,000	40,000	0	0
41232	EnergyNorth Natural Gas, Inc.	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	4,270	0	0	4,270
27212	J.P. Morgan Commodities Canada Corporation	2005-Jul-21	2014-Oct-31	FT	Empress	Iroquois	15,103	15,103	0	0
41220	KeySpan Gas East Corporation	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	22,522	0	0	22,522
41228	KeySpan Gas East Corporation	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	16,972	0	0	16,972
42383	KeySpan Gas East Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	7,599	0	0	7,599
42388	KeySpan Gas East Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	35,694	0	0	35,694
42385	Niagara Mohawk Power Corporation	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	54,437	0	0	54,437
41235	Northern Utilities, Inc.	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	6,264	0	0	6,264
14109	Paramount Resources Ltd.	2000-May-01	2014-Oct-31	FT	Empress	Iroquois	811	0	0	811
5048	Selkirk Cogen Partners, L.P.	1994-Nov-01	2014-Oct-31	FT	Empress	Iroquois	58,485	0	0	58,485
41215	The Brooklyn Union Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	12,810	0	0	12,810
41217	The Brooklyn Union Gas Company	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	29,886	0	0	29,886
42384	The Brooklyn Union Gas Company	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	7,778	0	0	7,778
42387	The Brooklyn Union Gas Company	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	35,694	0	0	35,694
42386	The Narragansett Electric Company	2011-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Iroquois	1,068	0	0	1,068
41221	The Southern Connecticut Gas Company	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	475	475	0	0
41222	The Southern Connecticut Gas Company	2008-Nov-01	2019-Oct-31	FT	Union Parkway Belt	Iroquois	9,656	9,656	0	0
41230	The Southern Connecticut Gas Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	34,567	34,567	0	0
41231	The Southern Connecticut Gas Company	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	13,342	13,342	0	0
41223	Yankee Gas Services Company	2008-Nov-01	2019-Oct-31	FT	Union Parkway Belt	Iroquois	5,336	0	0	5,336
41236	Yankee Gas Services Company	2006-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Iroquois	42,642	0	0	42,642
41237	Yankee Gas Services Company	2007-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Iroquois	20,334	0	0	20,334
						<b>Iroquois Total</b>	<b>625,260</b>	<b>168,932</b>	<b>0</b>	<b>456,328</b>
45507	DTE Energy Trading, Inc.	2012-Nov-01	2023-Mar-31	FT	Niagara Falls	Kirkwall	25,585	25,585	0	0
45508	Emera Energy Incorporated	2012-Nov-01	2023-Oct-31	FT	Niagara Falls	Kirkwall	26,376	26,376	0	0
45504	J.P. Morgan Commodities Canada Corporation	2012-Nov-01	2023-Oct-31	FT	Niagara Falls	Kirkwall	126,607	126,607	0	0
45509	Union Gas Limited	2012-Nov-09	2022-Oct-31	FT	Niagara Falls	Kirkwall	21,101	21,101	0	0
						<b>Kirkwall Total</b>	<b>199,669</b>	<b>199,669</b>	<b>0</b>	<b>0</b>
1066	1425445 Ontario Limited	1989-Jan-01	2014-Dec-31	FT	Empress	KPUC EDA	5,000	5,000	0	0
1138	1425445 Ontario Limited	1975-Apr-01	2014-Oct-31	STS	Union Parkway Belt	KPUC EDA	13,167	13,167	0	0
						<b>KPUC EDA Total</b>	<b>18,167</b>	<b>18,167</b>	<b>0</b>	<b>0</b>
2980	New York State Electric & Gas Corporation	1993-Nov-01	2014-Oct-31	FT	Empress	Napierville	4,775	0	0	4,775
2981	New York State Electric & Gas Corporation	1993-Nov-01	2014-Oct-31	FT	Empress	Napierville	3,805	0	0	3,805
						<b>Napierville Total</b>	<b>8,580</b>	<b>0</b>	<b>0</b>	<b>8,580</b>
42381	Consolidated Edison Company of New York, Inc.	2011-Nov-01	2016-Oct-31	FT	Kirkwall	Niagara Falls	31,651	0	0	31,651
35096	Yankee Gas Services Company	2008-Apr-01	2018-Mar-31	FT	Union Dawn	Niagara Falls	10,265	0	0	10,265
						<b>Niagara Falls Total</b>	<b>41,916</b>	<b>0</b>	<b>0</b>	<b>41,916</b>

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33045	Vermont Gas Systems, Inc.	2007-Nov-01	2017-Oct-31	FT	Empress	Philipsburg	12,000	12,000	0	0
33556	Vermont Gas Systems, Inc.	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Philipsburg	10,000	0	0	10,000
34490	Vermont Gas Systems, Inc.	2008-Apr-01	2014-Nov-30	FT	Empress	Philipsburg	6,500	6,500	0	0
34728	Vermont Gas Systems, Inc.	2008-Apr-01	2020-Mar-31	STS	Union Parkway Belt	Philipsburg	20,279	20,279	0	0
36188	Vermont Gas Systems, Inc.	2008-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Philipsburg	10,000	0	0	10,000
36190	Vermont Gas Systems, Inc.	2008-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Philipsburg	2,000	0	0	2,000
						<b>Philipsburg Total</b>	<b>60,779</b>	<b>38,779</b>	<b>0</b>	<b>22,000</b>
44483	York Energy Centre LP	2012-Nov-01	2022-Apr-30	FT-SN	Union Parkway Belt	Schomberg #2 CDA	87,654	87,654	0	0
						<b>Schomberg #2 CDA Total</b>	<b>87,654</b>	<b>87,654</b>	<b>0</b>	<b>0</b>
5044	Atlantic Power Limited Partnership	1994-Nov-01	2014-Oct-31	FT	Empress	TCPL NDA	7,536	0	0	7,536
						<b>TCPL NDA Total</b>	<b>7,536</b>	<b>0</b>	<b>0</b>	<b>7,536</b>
47132	Atlantic Power Limited Partnership	2013-Jul-03	2014-Oct-31	FT	Empress	TCPL WDA	4,000	0	0	4,000
						<b>TCPL WDA Total</b>	<b>4,000</b>	<b>0</b>	<b>0</b>	<b>4,000</b>
38101	Thorold CoGen L.P.	2009-Sep-01	2019-Aug-31	FT-SN	Kirkwall	Thorold CDA	49,500	49,500	0	0
						<b>Thorold CDA Total</b>	<b>49,500</b>	<b>49,500</b>	<b>0</b>	<b>0</b>
45652	TransGas Limited	2012-Nov-01	2013-Oct-31	FT	Empress	Transgas SSDA	10,000	10,000	0	0
						<b>Transgas SSDA Total</b>	<b>10,000</b>	<b>10,000</b>	<b>0</b>	<b>0</b>
20270	Shell Energy North America (Canada) Inc.	2003-Nov-01	2014-Mar-31	FT	Union Dawn	Union CDA	79,129	79,129	0	0
19332	The Corporation of the City of Kitchener	2003-Sep-01	2014-Oct-31	FT	Union Dawn	Union CDA	8,000	0	0	8,000
1142	Union Gas Limited	1992-Apr-01	2014-Dec-31	STS	Union WDA	Union CDA	3,150	3,150	0	0
1142	Union Gas Limited	1992-Apr-01	2014-Dec-31	STS	Union NDA	Union CDA	49,100	49,100	0	0
2776	Union Gas Limited	1993-Apr-01	2014-Jan-31	FT	Empress	Union CDA	3,699	3,699	0	0
6673	Union Gas Limited	1996-Nov-01	2014-Dec-31	FT	Empress	Union CDA	1,979	1,935	0	44
12430	Union Gas Limited	1999-Nov-01	2014-Oct-31	FT	Empress	Union CDA	1,004	998	0	6
20259	Union Gas Limited	2003-Nov-01	2014-Oct-31	FT	Union Dawn	Union CDA	60,000	60,000	0	0
22754	Union Gas Limited	2003-Nov-01	2014-Oct-31	FT	Empress	Union CDA	40,000	40,000	0	0
39928	Union Gas Limited	2010-Nov-01	2015-Dec-31	FT	Empress	Union CDA	12,500	12,500	0	0
42581	Union Gas Limited	2011-Nov-01	2014-Oct-31	FT	Union Parkway Belt	Union CDA	16,000	16,000	0	0
44283	Union Gas Limited	2012-Nov-01	2015-Dec-31	FT	Empress	Union CDA	8,145	8,145	0	0
						<b>Union CDA Total</b>	<b>282,706</b>	<b>274,656</b>	<b>0</b>	<b>8,050</b>
29482	Dyno Nobel Canada Inc.	2006-Mar-30	2013-Oct-31	FT	Empress	Union EDA	950	950	0	0
35657	GreenField Ethanol Inc.	2008-Nov-01	2018-Oct-31	FT	Union Parkway Belt	Union EDA	2,000	2,000	0	0
5106	Husky Energy Marketing Inc.	1994-Jul-01	2014-Oct-31	FT	Empress	Union EDA	33,563	33,563	0	0
20396	Ingredion Canada Incorporated	2003-Nov-01	2014-Dec-31	FT	Union Dawn	Union EDA	1,020	1,020	0	0
20398	Ingredion Canada Incorporated	2004-Jan-01	2014-Dec-31	FT	Union Dawn	Union EDA	490	490	0	0
6570	Kingston CoGen Limited Partnership	1996-Oct-01	2016-Oct-31	FT	Empress	Union EDA	21,045	21,045	0	0
12870	Ontario Power Generation Inc.	1999-Nov-01	2014-Oct-31	FT	Empress	Union EDA	3,500	3,500	0	0
1048	Union Gas Limited	1989-Jan-01	2014-Dec-31	FT	Empress	Union EDA	50,426	50,156	0	270
1142	Union Gas Limited	1992-Apr-01	2014-Dec-31	STS	Union Parkway Belt	Union EDA	68,520	68,520	0	0
2744	Union Gas Limited	1993-Nov-01	2014-Oct-31	FT	Empress	Union EDA	8,675	8,675	0	0
29591	Union Gas Limited	2006-Nov-01	2016-Oct-31	FT	Union Parkway Belt	Union EDA	30,000	30,000	0	0
33559	Union Gas Limited	2007-Nov-01	2017-Oct-31	FT	Union Parkway Belt	Union EDA	5,000	5,000	0	0



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						Union EDA Total	225,189	224,919	0	270
1049	Union Gas Limited	1989-Jan-01	2014-Dec-31	FT	Empress	Union NCDA	9,211	8,796	0	415
1052	Union Gas Limited	1989-Apr-01	2014-Oct-31	FT	Empress	Union NCDA	1,545	0	0	1,545
						Union NCDA Total	10,756	8,796	0	1,960
13757	Atlantic Power Limited Partnership	2000-Feb-01	2016-Oct-31	FT	Empress	Union NDA	8,182	0	0	8,182
13758	Atlantic Power Limited Partnership	2000-Feb-01	2016-Oct-31	FT	Empress	Union NDA	8,182	0	0	8,182
6498	Iroquois Falls Power Corp.	1996-Sep-01	2016-Aug-31	FT	Empress	Union NDA	20,874	20,874	0	0
20547	Toromont Industries Ltd.	2003-May-01	2014-Apr-30	FT	Empress	Union NDA	374	374	0	0
1045	Union Gas Limited	1989-Jan-01	2014-Dec-31	FT	Empress	Union NDA	64,715	49,077	0	15,638
45708	Vale Canada Limited	2012-Nov-01	2014-Oct-31	FT	Empress	Union NDA	2,500	0	0	2,500
						Union NDA Total	104,827	70,325	0	34,502
43608	Active Energy Corp.	2012-Jan-01	2014-Dec-31	FT	SS. Marie	Union SSMDA	6,143	6,143	0	0
46968	Active Energy Corp.	2013-Jun-01	2014-Jun-30	FT	SS. Marie	Union SSMDA	7,385	7,385	0	0
43607	Flakeboard Company Limited	2012-Jan-01	2014-Dec-31	FT	Empress	Union SSMDA	300	300	0	0
39703	Lake Superior Power Limited Partnership	2011-Jan-01	2014-Dec-31	FT	SS. Marie	Union SSMDA	10,100	10,100	0	0
1047	Union Gas Limited	1989-Jan-01	2014-Dec-31	FT	Empress	Union SSMDA	2,700	2,000	0	700
42229	Union Gas Limited	2011-Nov-01	2014-Oct-31	FT	SS. Marie	Union SSMDA	6,143	3,169	0	2,974
						Union SSMDA Total	32,771	29,097	0	3,674
37099	Cargill Limited	2009-Jan-22	2014-Jan-31	FT	St. Clair	Union SWDA	10,125	10,125	0	0
33196	Tenaska Marketing Canada, a division of TMV Corp.	2007-Nov-01	2014-Mar-31	FT	St. Clair	Union SWDA	30,000	30,000	0	0
						Union SWDA Total	40,125	40,125	0	0
46231	Resolute FP Canada Inc.	2013-Feb-01	2014-Jan-31	FT	Empress	Union WDA	1,900	1,900	0	0
1046	Union Gas Limited	1989-Jan-01	2014-Dec-31	FT	Empress	Union WDA	39,880	36,580	0	3,300
						Union WDA Total	41,780	38,480	0	3,300
37017	Enbridge Gas Distribution Inc.	2009-Jan-12	2018-Oct-31	FT-SN	Union Parkway Belt	Victoria Square #2 CDA	85,000	85,000	0	0
37098	Portlands Energy Centre L.P.	2009-Jan-22	2014-Nov-30	FT-SN	Union Parkway Belt	Victoria Square #2 CDA	100,000	100,000	0	0
						Victoria Square #2 CDA Total	185,000	185,000	0	0
45653	TransGas Limited	2012-Nov-01	2013-Oct-31	FT	Empress	Welwyn	5,127	5,127	0	0
						Welwyn Total	5,127	5,127	0	0
						Grand Total	5,096,523	3,815,034	0	1,281,489
- CONTRACT DEMAND is equal to the current version contract demand plus the CD TEMP SHIFTED QTY in effect.										
- OPERATIONAL DEMAND is equal to CONTRACT DEMAND minus CD TEMP SHIFTED QTY and CD TEMP ASSIGNED QUANTITY.										
- CD TEMP SHIFTED QTY is equal to the Shifts in effect off of the originating FT contract.										
- CD TEMP ASSIGNED QUANTITY is equal to the Temporary Assignments in effect off of the originating FT contract.										
- 'Permanent Assignments' in effect are shown on the report as new FT contracts for the assignee.										
- STS (Storage Transportation Service) quantities and all demand paths are stated for these contracts.										
- Only current contract information is included in this report. I.e., no future dated contracts (or amendments) are posted.										

**TransCanada PipeLines Limited Response to  
Building Owners and Managers Association Interrogatory #3**

**Preamble:** At page 5 of its evidence, TCPL states:

"In 2010, TCPL and Union Gas worked together to facilitate the transportation of Marcellus shale gas sourced at the Niagara receipt point on the TCPL system to Eastern Canadian markets. TCPL contracted for Union M12 capacity between Kirkwall and Parkway to transport some of the gas, which began to flow in November 2012".

**Request:** TCPL states that it contracted from Union M12 capacity between Kirkwall and Parkway to transport some of their gas, which began to flow in November 2012. What was the delivery point for this capacity, Parkway (Enbridge), Lisgar, or did the gas flow through compression? Who was the shipper(s) on TCPL for the gas in question? How much capacity was taken? From what period of time?

**Response:**

The delivery point under the Union M12 transportation contract from Kirkwall to Parkway is Parkway (TCPL), which is the interconnection between Union Gas and TransCanada. The gas flows through compression to this delivery point.

TransCanada uses the Kirkwall to Parkway M12 transportation capacity as part of its integrated system to facilitate two J. P. Morgan transportation contracts from Niagara Falls. The first contract is for 88,497 GJ/d and is for a term from November 1, 2012 to October 31, 2022 and the second is for 174,752 GJ/d and is for a term from November 1, 2013 to October 31, 2023.

**TransCanada PipeLines Limited Response to  
Building Owners and Managers Association Interrogatory #4**

**Preamble:** At page 5 of its evidence, TCPL states:

"In 2010, TCPL and Union Gas worked together to facilitate the transportation of Marcellus shale gas sourced at the Niagara receipt point on the TCPL system to Eastern Canadian markets. TCPL contracted for Union M12 capacity between Kirkwall and Parkway to transport some of the gas, which began to flow in November 2012".

**Request:** There has been considerable discussion in the Union and Enbridge documents about the TCPL "oil east" project. For example, Mr. Johansson's letter to the eastern LDC, noted above, provides TCPL's perspective on the issue. Please provide an update on TCPL's oil east project, including at least the following elements:

- (a) A copy of the open season documents and report on the open season. Is it concluded; is there sufficient shipper interest to permit TCPL to proceed to apply to the National Energy Board (NEB)? When will TCPL file an application with the Board? Please provide any correspondence TCPL has had to date with the NEB about the oil east project.
- (b) If not, what steps, if any, do TCPL plan to take, to further gauge shipper interest?
- (c) Has the TCPL Board decided to launch an application to the NEB for project approval? What is TCPL's assessment at the time of the probability that it will proceed with the oil east project?
- (d) Can TCPL advise on the amounts of capacity in each of its delivery areas, including the Eastern Triangle, that it proposes to convert from gas to oil? What new facilities does it intend to construct in each of those areas, including all three sides of the "Eastern Triangle" If there are options (eg. different combinations of conversion and construction of capacities of different pipeline segments to achieve the desired result) on which TCPL has not decided upon, please indicate what they are. Please provide a map of the mainline which shows of various segments would be converted to oil transport.
- (e) Please elaborate on how TCPL will address the shortfalls in firm capacity required to secure Ontario LDC firm service contracts, for example, Enbridge's shortfall of 170,000 GJs/day in its eastern (Ottawa) delivery area [Ex JT1.2, p3].

- (f) What tolls (approximate) would TCPL seek from the NEB across the mainline after the conversion on the remaining unconverted segments of pipeline, on new segments they propose to build?
- (g) What combination of connected facilities and new facilities does TCPL intend to use in the project?
- (h) What is the currently expected in-service date for the oil pipeline, and what is the date(s) that the various segments of the gas pipeline will need to be taken out of service? Will any additional segments of pipe need to be taken out of service to facilitate the conversion of other segments?
- (i) What approvals do TCPL require from the NEB to (i) make the conversion; (ii) build new oil pipeline segments; (iii) set tariffs for the line? Must the tariffs for the existing gas pipeline and any newly constructed segments be the same (all else being equal)?
- (j) What amounts of pipe are scheduled to be removed from service, or have the operating capacity lowered, in 2013, 2014, and 2015, because maintenance has been discontinued or related reasons?

**Response:**

(a) through (c)

The binding open season documents for Energy East were not made public by Energy East. TransCanada understands that these documents were provided only to interested shippers who contacted the commercial team for Energy East. Energy East is still evaluating the responses to the open season. Energy East has had no correspondence with the NEB, but plans to file an application for the Energy East project in late 2013.

(d) and (e)

The capacity and potential replacement facilities and costs associated with the transfer of Mainline assets to Energy East will be addressed in a future application for approval of new facilities or the transfer of assets to the extent that these issues are relevant.

TransCanada will continue to meet its existing contractual requirements and will continue to enter new contracts as long as the terms of any new contracts provide a reasonable opportunity for TransCanada to recover its revenue requirement.

(f) through (j)

TransCanada believes that questions regarding the impact of the Energy East Project are outside the scope of this proceeding and, to the extent they are relevant, should be addressed in the context of any proceeding established to consider the transfer of mainline facilities to Energy East.