

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

Reference: Table 7-5

- Request:**
- (a) Could you provide the dates of each of the studies (forecasts) signified by Consultants 1 through 4 and the date and name of the document which contains the NEB forecast referred to?
 - (b) If possible, please provide the identities of the forecasters and the names of the documents, at least those that are currently in the public domain.
 - (c) Even if you cannot attribute company names to forecasts, a list of the four companies that made the forecasts would be helpful.
 - (d) If all the forecasts are proprietary, please file them on a confidential basis, in compliance with the OEB Rules and Procedures, Practice Direction on Confidential Filings.

Response:

(a) through (c)

The four consultants are IHS Cera, PIRA, Wood Mackenzie and Ziff. The release dates of the forecasts range from October 2012 to March 2013 for the four consultants. Please note that the consultants do not include supply forecasts for the Cordova, Liard and in some cases Duvernay shale formations.

The NEB forecast is contained in the document Canada's Energy Future: ENERGY SUPPLY AND DEMAND PROJECTIONS TO 2035 dated November 2011 in Table A4.2: Natural Gas, Reference Case, Production.

(d) The forecasts are proprietary and therefore cannot be provided.

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

Reference: P4, Paragraph 2

Request: BOMA understands that Enbridge has held substantial amounts of long haul STFT service on TransCanada over the last few years. Could TransCanada provide the amounts of STFT contracts (capacity, volumes delivered in GJs and GJ/day) held by Enbridge in each month for the years 2008 to 2013 (to date)?

Response:

A complete list of STFT Contracts for Enbridge Gas Distribution Inc. are provided below¹.

Service Requester	Start Date	End Date	Contract Demand (GJ/day)	Receipt Location	Delivery Location
Enbridge	2008-Jul-09	2008-Aug-31	50,000	Enbridge CDA	Union CDA
Enbridge	2009-Jan-15	2009-Jan-21	100,000	Empress	Enbridge CDA
Enbridge	2009-Jul-01	2009-Aug-31	75,000	Enbridge CDA	Union CDA
Enbridge	2010-Jan-01	2010-Feb-28	50,000	Empress	Enbridge CDA
Enbridge	2010-Jan-01	2010-Feb-28	25,000	Empress	Enbridge EDA
Enbridge	2010-Nov-01	2011-Mar-31	50,000	Empress	Enbridge CDA
Enbridge	2010-Dec-01	2011-Feb-28	150,000	Empress	Enbridge CDA
Enbridge	2010-Dec-01	2011-Feb-28	50,000	Empress	Enbridge EDA
Enbridge	2011-Feb-08	2011-Feb-14	25,000	Empress	Enbridge EDA
Enbridge	2011-Mar-01	2011-Mar-07	50,000	Empress	Enbridge CDA
Enbridge	2011-Mar-01	2011-Mar-07	20,000	Empress	Enbridge EDA
Enbridge	2011-Mar-08	2011-Mar-31	70,000	Empress	Enbridge CDA
Enbridge	2011-Nov-01	2012-Mar-31	50,000	Empress	Enbridge CDA
Enbridge	2011-Dec-01	2012-Feb-29	75,000	Empress	Enbridge CDA
Enbridge	2011-Dec-01	2012-Feb-29	50,000	Empress	Enbridge CDA
Enbridge	2011-Dec-01	2012-Feb-29	25,000	Empress	Enbridge EDA
Enbridge	2011-Dec-01	2012-Feb-29	25,000	Empress	Enbridge EDA
Enbridge	2012-Jan-01	2012-Mar-31	75,000	Empress	Enbridge CDA
Enbridge	2012-Jan-01	2012-Mar-31	25,000	Empress	Enbridge EDA
Enbridge	2012-Nov-01	2013-Mar-31	42,500	Empress	Enbridge CDA
Enbridge	2012-Dec-01	2013-Feb-28	77,429	Empress	Centram SSDA

¹ TransCanada holds shipper specific information confidential. However, Enbridge has granted permission to disclose this information.

Service Requester	Start Date	End Date	Contract Demand (GJ/day)	Receipt Location	Delivery Location
Enbridge	2012-Dec-01	2013-Feb-28	61,926	Empress	Centram SSDA
Enbridge	2012-Dec-01	2012-Dec-31	27,699	Empress	Centram SSDA
Enbridge	2012-Dec-01	2013-Feb-28	60,000	Centram SSDA	Enbridge CDA
Enbridge	2012-Dec-01	2013-Feb-28	60,000	Centram SSDA	Enbridge CDA
Enbridge	2012-Dec-01	2012-Dec-31	27,000	Centram SSDA	Enbridge CDA
Enbridge	2012-Dec-01	2013-Feb-28	15,000	Centram SSDA	Enbridge EDA
Enbridge	2012-Dec-01	2013-Feb-28	75,000	Empress	Enbridge CDA
Enbridge	2012-Dec-01	2013-Feb-28	45,000	Empress	Enbridge EDA
Enbridge	2013-Jan-01	2013-Jan-31	214	Empress	Centram SSDA
Enbridge	2013-Jan-01	2013-Jan-31	3	Empress	Centram SSDA
Enbridge	2013-Jan-01	2013-Mar-31	50,000	Empress	Enbridge CDA
Enbridge	2013-Jan-01	2013-Mar-31	15,503	Empress	Centram SSDA
Enbridge	2013-Jan-01	2013-Mar-31	15,000	Centram SSDA	Enbridge CDA
Enbridge	2013-Jan-01	2013-Mar-31	30,000	Empress	Enbridge EDA
Enbridge	2013-Feb-01	2013-Feb-28	762	Empress	Centram SSDA
Enbridge	2013-Mar-01	2013-Mar-31	63	Empress	Centram SSDA

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

Reference: P5

Request: BOMA is interested in TransCanada's overbuilding analysis. Could TransCanada elaborate on the last sentence in the last full paragraph on P5, which begins, "To arrive at Albion... "?

Response:

Enbridge has stated that their Maximum Allowable Operating Pressure (MAOP) of the system to which Segment A connects at Albion is 3344 kPa (485 psi) (footnote in Exhibit A, Tab 3, Schedule 3, Page 4 of 25). If gas was delivered at a higher pressure than the MAOP, Enbridge would be required to regulate the pressure down to the 3344 kPa to ensure the integrity of its system. Therefore, delivery of gas to Albion at a pressure substantially above their MAOP would be considered over designing the system. (Please refer to the response to FPRO 4b and Union 9).

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

Reference: P6

Request: BOMA is interested in TransCanada's analysis of Dawn vs. NIT commodity prices. Could TransCanada provide:

- (a) the historical average differential between NIT and Empress (BOMA understands that Empress is not an "official" trading point);
- (b) any information that would show Marcellus commodity prices at a transparent and geographically appropriate trading point in the Marcellus region (if there is one), together with approved tariffs on each feasible, relevant path from that point to Niagara;
- (c) confirm that TransCanada's Chippewa station is not equipped to receive gas at this point, and, if so, indicate whether and when TransCanada will modify the station to receive gas, as well as export gas.

Response:

- a) Please refer to the response to Enbridge 4(a).
- b) A geographically appropriate trading point in the Marcellus region is the 'TGP Z4 - Marcellus Supply' price. An appropriate path to Niagara would be to move gas on the Tennessee pipeline. Please refer to the table below for a delivered cost analysis of gas moved from Marcellus supply to the Niagara point during a winter period and a summer period.

	Winter* 2012/13 Average Daily Price	Summer** 2013 Average Daily Price
Marcellus Supply Price (TGP Z4 Supply)	\$3.31	\$3.16
Demand Toll (Tennessee Z4-Z5)	\$0.1948	\$0.1948
Commodity Toll (Tennessee Z4-Z5)	\$0.0662	\$0.0662
Fuel Cost (Tennessee Z4-Z5 = 0.88%)	\$0.029	\$0.028
Calculated Landed Cost at Niagara	\$3.60	\$3.45
* Nov 1, 2012 through March 31, 2013		
** April 1, 2013 through July 31, 2013		

Sources:		
Tolls and Fuel: Tennessee Gas Pipeline Company Informational Postings - Currently Effective Rates		
Prices: ICE - TGP Z4 - Marcellus Price		

- c) Please refer to the response to BOMA 2 a) from the Round 1 Information Requests.

**TransCanada PipeLines Limited Response to
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Reference: P7, NIT-Dawn Spot Price Differential

Request: Could TransCanada provide the medium differential, average differential, and the weighted average differential (if available) over the period 2004-2013? Could it also provide the monthly average and medium differential in tabular form for each month from January 1, 2004 to date? The graph is helpful, but some of the information in tabular form would also be helpful.

Response:

TransCanada is providing the daily data in the reference graph in spreadsheet digital format. This will allow independent statistical analysis to be completed.