

June 25, 2012

Ontario Energy Board 2300 Yonge Street Suite 2700 Toronto, Ontario M4P 1E4

Attention: Ms. Kirsten Walli, Board Secretary

RE: EB-2011-0210 – Union Gas Limited – 2013 Rates Application – Response to Motion

Dear Ms. Walli,

Below are Union's responses to requests for additional information relating to certain interrogatories as directed in the Board's June 15, 2012 Decision and Order.

J.B-1-7-1 a)

Please see Attachment 1 for a diagram of all existing connections between Union and all parties in the Parkway/Lisgar area. Proposed connections for the Parkway West project are planned for a location West of Parkway. The Parkway West project is in early design, and detailed drawings are not available. Please refer to Exhibit J.B-1-1-2 for a schematic of the planned connections.

J.B-1-7-5 d

Please see Attachment 2 for the running hours and maintenance hours for Parkway A and Parkway B from 2008 through 2012.

J.B-1-7-5 g)

Union does not collect data to correlate between unit maintenance and overall system conditions, and as such it is not possible to answer the question as requested. The data provided at Attachment 3 identifies the hours each unit was unavailable due to maintenance during each winter season from 2006 to present.

J.B-1-7-6 c)

As indicated in Union's original response to Exhibit J.B-1-7-6 c), filed May 4, 2012, Union does not have the information requested. Union can confirm there were no instances of LCU unit requirements since January 1, 2011.

J.B-1-7-8 b)

Please see Attachment 4 for Union's preliminary Parkway West analysis that supported the presentation to Union's management.

J.B-1-7-8 c)

Parkway West costs will be allocated to all rate classes in the same manner as existing Parkway costs which is in proportion to distance weighted design day demands on the Dawn-Trafalgar system. There are no new M12 or C1 demands associated with this project.

Please see Attachment 5 for the allocation of estimated Parkway West Project costs to infranchise and ex-franchise rate classes.

J.B-1-7-8 d)

Please see Attachment 6 for the M12, M12-X and C1 rate impacts of the Parkway West Project as compared to Union's 2013 proposed rates.

J.B-1-7-8 e)

The un-redacted presentations originally included as Attachment 1 and Attachment 2 of Exhibit J.B-1-7-8 can be found at Attachment 7 and 8. The presentations given to Enbridge relating to the Parkway West project can be found at Attachments 9-13. Four slides have been removed from Attachment 10 and have been filed in confidence with the Board per the Practice Direction on Confidential Filings. The slides contain sensitive commercial information that is not related to the Parkway West Project.

J.B-1-7-13 a)

Please see Attachment 1 for a diagram of all existing connections between Union and all parties in the Parkway/Lisgar area and Attachment 14 for the detail requested.

J.B-1-7-14 f)

Table 1 below shows Union's forecast for deliveries at Parkway (TCPL) and Parkway (Consumers) for 2012, 2013 and 2014.

Table 1

| | 2012 | 2013 | 2014 |
|----------------------------------------------------|-------------|-------------|-------------|
| Forecast Annual Deliveries (GJ) | | | |
| Deliveries to Parkway (TCPL) Deliveries to Parkway | 536,938,455 | 556,095,929 | 594,691,470 |
| (Consumers) | 148,798,490 | 147,989,490 | 157,494,769 |
| Total | 685,736,945 | 704,085,419 | 752,186,239 |
| Forecast Average Daily Deliveries (GJ) | | | |
| Deliveries to Parkway (TCPL) Deliveries to Parkway | 1,467,045 | 1,523,550 | 1,629,292 |
| (Consumers) | 406,553 | 405,451 | 431,493 |
| Total | 1,873,598 | 1,929,001 | 2,060,785 |

Union does not have a forecast of daily or monthly deliveries for 2015 and 2016.

Union has provided information regarding its view on future activity at Parkway in its interrogatory responses at Exhibits J.B-1-13-4 (a) (ii) and J.B-1-7-2 (a). In addition, Exhibit J.D-14-16-8, Attachment 2, discusses transportation contracts at risk of non-renewal.

From Exhibit J.B-1-7-1(c), activity through Parkway and total deliveries at Parkway discharge in W13/14 were summarized as follows:

Table 2

| Total W13/14 Contracted Quantities at Parkway (TCPL) (includes M12 and | 2.6 PJ/d |
|---------------------------------------------------------------------------|----------|
| M12-X Parkway Deliveries) | |
| Obligated Deliveries to Parkway Discharge (from Exhibit J.B-1-7-4(a)(ii)) | 0.7 PJ/d |
| Total W13/14 Quantity Compressed at Parkway | 1.9 PJ/d |

Exhibits J.B-1-13-4(a)(ii) and J.B-1-7-2(a) addressed potential incremental market for deliveries through the Parkway discharge. Union's view of potential incremental market for transportation on the Dawn-Parkway system and through the Parkway discharge can be summarized as follows:

Table 3

| Niagara/Chippawa Gas Supply from Marcellus: | 0.4 PJ/d |
|---------------------------------------------------------------------------------|--------------|
| Total Contracted Receipts at Niagara/Chippawa of ~0.8 PJ/d minus | |
| Quantity of Receipts with Ontario Transportation Contracts ~0.4 PJ/d | |
| Potential Conversion of Current Long Haul Contracts to Short Haul Contracts, | 0.7 PJ/d |
| including those to serve a portion of Direct Purchase Demands (sourced from the | |
| TCPL CDE Report) | |
| Potential Demand Growth in Ontario (GTA area, Gas-Fired Power Generation) | 0-0.4 PJ/d |
| Potential Obligated Deliveries Shifting from Parkway to Dawn | 0.3-0.4 PJ/d |
| Current Capacity Flowing from Dawn "Around the Horn" that could flow from | 0.4 PJ/d |
| Dawn direct to Parkway | |

Union does not expect all of the incremental market identified above to materialize for deliveries through the Parkway discharge. Union expects enough of the market to materialize to increase flow through the Parkway discharge to at least 3 PJ/d by 2015/2016. In its recent transportation open season and reverse open season, Union received net interest for Dawn-Parkway transportation in excess of 0.7 PJ/d.

J.B-1-7-21 b)

Please see Attachment 15 for the daily scheduled receipts and deliveries at Parkway (TCPL) from November 1, 2009 to October 31, 2011, based on transportation to Parkway by service class.

J.B-4-7-1 a)

Please see Attachment 16 for the percentage utilization for the past four years based on data gathered by Union's telemetry system for segments with measurement.

J.B-4-7-1 b) v)

Please see Attachment 17 for the capacity awarded for each open season in 2006, 2007 and 2008.

J.G-1-7-11

- a) Union does not have the information requested. Union's ability to move dry gas to the Dawn-TCPL delivery point and the compression requirements at Dawn are highly dependent on the receipt point of supplies presumed. The detailed compressor information for each of the units is dependent on supplies and demands entering and leaving Dawn.
- b) Union's current capacity to provide Dawn to Dawn-TCPL service is 500 TJ/d.
- c) Volumes incremental to the current firm contract are constrained by the location of the Dawn-TCPL delivery point in relation to Union's ability to move dry gas in the Dawn yard.

Reversal of the TCPL flow on the west side of Dawn is counter to historical west-east operations. The configuration of the Dawn yard is set up to move gas west to east, with the main outlet located on the east side of Dawn, downstream of the dehydration facility to facilitate the movement of gas easterly to Parkway. Supply of gas is received on the west side of Dawn, primarily from Vector, TCPL, Tecumseh and Union storage. Currently, dry gas is primarily received from Vector and TCPL while wet gas is received from Union and Tecumseh storage. To provide firm capacity in excess of 500 TJ/d Union will require facilities to connect the TCPL metering site to the discharge side of Dawn dehydration. Union cannot construct these facilities in time for the winter of 2012/13.

d) Volumes incremental to the current contract will be constrained by Union's ability to move dry gas from the discharge side of Dawn downstream of the dehydration facility.

Although Union has not completed specific analysis for 600 TJ/d, 800TJ/d or 900 TJ/d, in all three cases Union would need to build header piping from the outlet of the Dawn east end to the west end where TCPL enters the yard. In 2010, when Union was previously approached by TCPL, Union provided TCPL with an estimated cost of the facilities to configure Union's Dawn yard to supply incremental export flows to the Dawn-TCPL point referred to in c) above. The requested capacity of these facilities was to meet approximately 800 mmcfd. The preliminary estimated cost of this alternative was \$130 million. The facilities included expanding dehydration capability, installing new NPS 42 header piping (approximately 650 meters), new compression, and upgrade of the current measurement and control station.

- e) Please see the response to d) above.
- f) Please see the response to d) above.

J.H-12-2-1 d)

In its Decision and Order the Board requested a detailed breakdown of the costs associated with the third party service contract. However, there is no breakdown as Union pays a single, aggregated fee for all services covered by the contract.

J.O-4-1-11 a)

Please see Attachment 18 for the list of participants in the AGA, CGA and PSE&G benchmarking surveys.

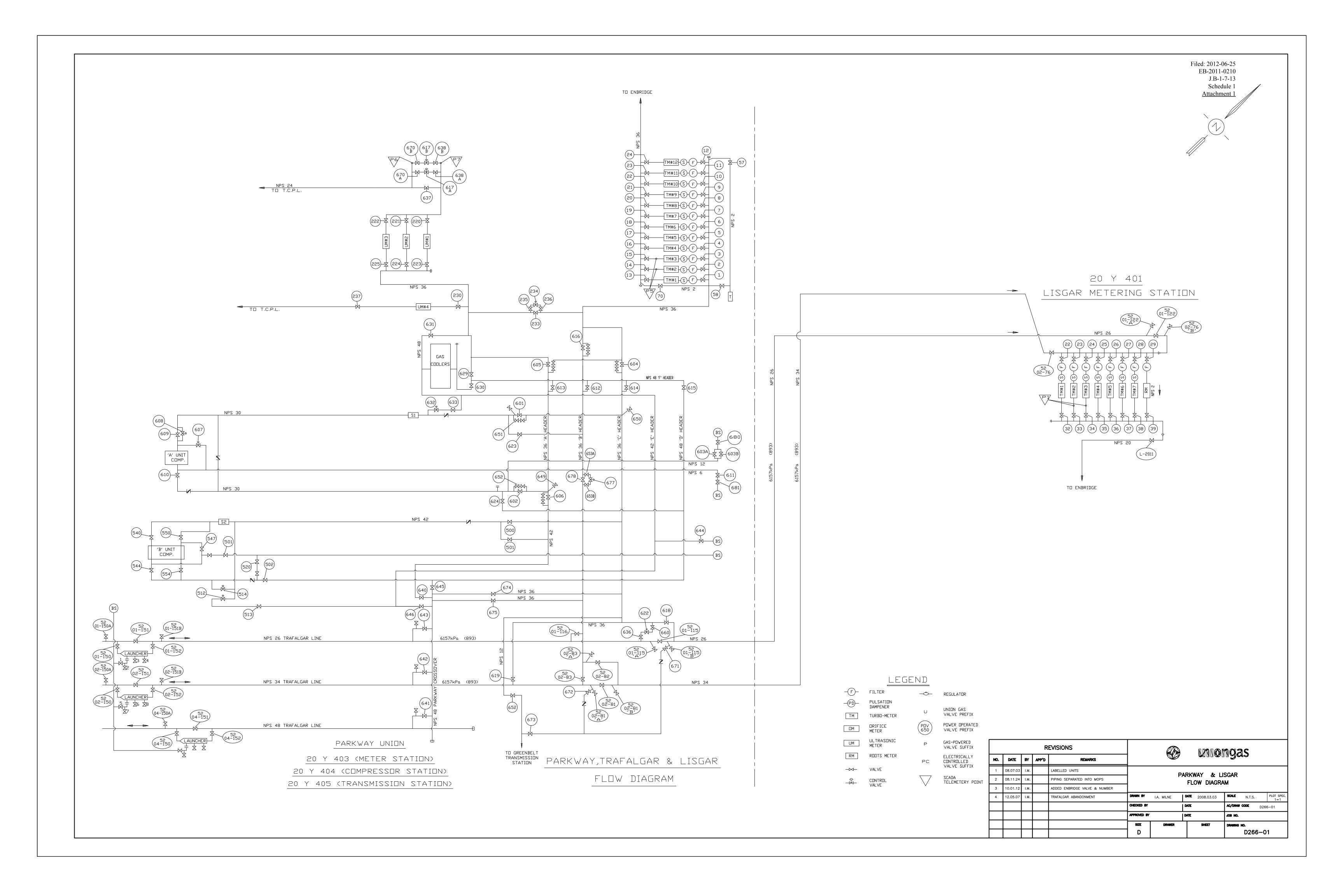
Two copies of these responses have been sent to the Board. If you have any questions, please contact me at (519) 436-5476.

Yours truly,

[original signed by]

Chris Ripley Manager, Regulatory Applications

cc: Crawford Smith, Torys EB-2011-0210 Intervenors



| YEAR | | '06 | | | | | | '(|)7 | | | | | |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MONTH | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | | | | | | | | | | | | | | |
| Parkway A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A |
| i) Running Hours | 24.87 | 225.32 | 453.02 | 487.12 | 269.2 | 44.3 | 0 | 0 | 0 | 0 | 0 | 0.02 | 95.58 | 516.75 |
| ii) Non-Running Hours - No Demand | 694.33 | 510.65 | 290.98 | 184.88 | 474.8 | 219.68 | 0 | 0 | 0 | 0 | 0 | 247 | 624.42 | 220.48 |
| iii) Maintenance | 0.8 | 8.03 | 0 | 0 | 0 | 456.02 | 744 | 720 | 744 | 744 | 720 | 496.57 | 0 | 6.77 |
| | | | | | | | | | | | | | | |
| Parkway B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B |
| i) Running Hours | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ii) Non-Running Hours - No Demand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| iii) Maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| YEAR | | | | | | | '08 | | | | | |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MONTH | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | | | | | | | | | | | | |
| Parkway A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A |
| i) Running Hours | 366.22 | 213.73 | 368.53 | 22.52 | 0 | 65.17 | 0 | 0 | 0 | 122.58 | 273.72 | 194.63 |
| ii) Non-Running Hours - No Demand | 377.78 | 481.27 | 375.47 | 697.48 | 744 | 654.83 | 744 | 744 | 720 | 621.42 | 446.28 | 549.37 |
| iii) Maintenance | C | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | |
| Parkway B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B |
| i) Running Hours | 181.18 | 278.95 | 117.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 137.05 | 437.63 |
| ii) Non-Running Hours - No Demand | 213.7 | 406.63 | 302.62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 338.87 | 306.37 |
| iii) Maintenance | | 5.41 | 324.37 | 720 | 744 | 720 | 744 | 744 | 720 | 744 | 244.08 | 0 |

| YEAR | | | | | | | '09 | | | | | |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MONTH | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | | | | | | | | | | | | |
| Parkway A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A |
| i) Running Hours | 183.67 | 282.47 | 174.2 | 244.4 | 0 | 0 | 0 | 0 | 18.78 | 109.02 | 588.86 | 246.82 |
| ii) Non-Running Hours - No Demand | 560.33 | 389.53 | 569.8 | 475.43 | 297.02 | 686.5 | 744 | 744 | 701.22 | 634.98 | 131.14 | 494.12 |
| iii) Maintenance | • | 0 | 0 | 0.17 | 446.48 | 33.5 | 0 | 0 | 0 | 0 | 0 | 3.07 |
| | | | | | | | | | | | | |
| Parkway B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B |
| i) Running Hours | 498.23 | 315.37 | 144.82 | 0 | 0 | 0 | 0 | 0 | 0 | 2.88 | 11.67 | 502.88 |
| ii) Non-Running Hours - No Demand | 245.7 | 356.63 | 597.72 | 720 | 744 | 720 | 8 | 0 | 0 | 411.57 | 708.33 | 241.12 |

Notes:

iii) Maintenance

1. Due to the nature of Union Gas' data recording methods, Parkway A or B units would often be recorded as down for maintenance for extended periods. Maintenance would be combined and completed during those periods, but would not take the entire time shown.

744

329.55

720

736

2. The Union Gas LCU philosophy is such that as long as an outage does not impact system demand it will not be specifically identified as unscheduled vs. scheduled, which results in a single "maintenance" number. The information provided in the initial response (2011/2012) was created by manually identifying the maintenance activities and backing out the outage hours to identify "scheduled" vs. "unscheduled".

| YEAR | '10 | | | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MONTH | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | | | | | | | | | | | | |
| Parkway A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A |
| i) Running Hours | 251.68 | 229.73 | 310.61 | 364.8 | 360.48 | 335.9 | 99.75 | 334.25 | 272.1 | 384.97 | 440.75 | 36.3 |
| ii) Non-Running Hours - No Demand | 492.32 | 442.27 | 433.39 | 355.2 | 383.52 | 384.1 | 644.25 | 409.75 | 447.9 | 359.03 | 279.25 | 707.7 |
| iii) Maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Parkway B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| i) Running Hours | 384.62 | 341.13 | 165.8 | 147.55 | 224.92 | 312.92 | 558.92 | 17.62 | 52.87 | 27.35 | 198.22 | 674.52 |
| ii) Non-Running Hours - No Demand | 359.38 | 330.47 | 578.2 | 572.45 | 519.08 | 403.42 | 185.08 | 726.38 | 667.13 | 638.67 | 519.48 | 66.57 |
| iii) Maintenance | 0 | 0 | 0 | 0 | 0 | 3.67 | 0 | 0 | 0 | 77.3 | 2.3 | 2.92 |

| YEAR | | '11 | | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| MONTH | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
| | | | | | | | | | | | | |
| Parkway A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A |
| i) Running Hours | 7 | 116 | 219 | 351 | 441 | 375 | 482 | 20 | 523 | 551 | 110 | 104 |
| ii) Non-Running Hours - No Demand | 737 | 556 | 525 | 369 | 303 | 160 | 262 | 724 | 193 | 193 | 598 | 640 |
| iii) Maintenance | C | 0 | 0 | 0 | 0 | 185 | 0 | 0 | 4 | 0 | 12 | 0 |

| Parkway B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| i) Running Hours | 699 | 495 | 264 | 151 | 1 | 19 | 29 | 0 | 5 | 125 | 281 | 587 |
| ii) Non-Running Hours - No Demand | 39.5 | 175 | 469 | 569 | 23 | 701 | 711 | 744 | 715 | 619 | 439 | 157 |
| iii) Maintenance | 5.5 | 2 | 1 | 0 | 720 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |

| YEAR | '12 | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--------|--|--|
| MONTH | Jan | Feb | Mar | Apr | May | | |
| | | | | | | | |
| Parkway A | UNIT A | UNIT A | UNIT A | UNIT A | UNIT A | | |
| i) Running Hours | 69 | 22 | 84 | 279.22 | 476.4 | | |
| ii) Non-Running Hours - No Demand | 675 | 674 | 660 | 440.78 | 267.6 | | |
| iii) Maintenance | 0 | 0 | 0 | 0 | 0 | | |

| Parkway B | UNIT B | UNIT B | UNIT B | UNIT B | UNIT B |
|-----------------------------------|--------|--------|--------|--------|--------|
| i) Running Hours | 625 | 536 | 338 | 336.58 | 14.52 |
| ii) Non-Running Hours - No Demand | 94 | 160 | 406 | 383.42 | 185.48 |
| iii) Maintenance | 25 | 0 | 0 | 0 | 544 |

| SEASON (Nov 1 - March 31) | 06/07 | 07/08 | 08/09 | 09/10 | 10/11 | 11/12 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DAWN B | | | | | | |
| i) Running Hours | 710.23 | 902.4 | 1430.38 | 868.4 | 426.47 | 0 |
| ii) Non-Running Hours - No Demand | 2557.85 | 2173.02 | 1501.85 | 1917.35 | 3193.03 | 3648 |
| iii) Maintenance | 355.92 | 572.58 | 691.77 | 838.25 | 4.5 | 0 |
| DAWN C | | | | | | |
| i) Running Hours | 828.42 | 1780.08 | 929.32 | 16.5 | 164.33 | 0 |
| ii) Non-Running Hours - No Demand | 920.25 | 1776.07 | 1740.48 | 3582.08 | 3262.97 | 3582 |
| iii) Maintenance | 1875.33 | 91.75 | 954.2 | 25.42 | 196.7 | 66 |
| DAWN D | | | | | | |
| i) Running Hours | 1145.5 | 909.33 | 793.8 | 537.72 | 270.83 | 0.58 |
| ii) Non-Running Hours - No Demand | 2084.02 | 2721.17 | 2765.22 | 1996.17 | 2233.19 | 1369.17 |
| iii) Maintenance | 394.48 | 17.5 | 64.98 | 1090.12 | 1119.98 | 2278.25 |
| DAWN E | | | | | | |
| i) Running Hours | 2039.67 | 2165.3 | 3166.68 | 2597.92 | 1875.47 | 1109.07 |
| ii) Non-Running Hours - No Demand | 865.25 | 851.83 | 348.35 | 962.43 | 570.96 | 2453.52 |
| iii) Maintenance | 719.08 | 630.87 | 108.97 | 63.65 | 1177.57 | 85.41 |
| DAWN F1 | | | | | | |
| i) Running Hours | 167.03 | 1070.23 | 560 | 1415.95 | 929.37 | 1032.07 |
| ii) Non-Running Hours - No Demand iii) Maintenance | 395.13 0.33 | 2404.62 167.88 | 2553.63 510.37 | 2185.92 22.13 | 2456.1 238.53 | 2526.01 89.92 |
| iii) Waintenance | 0.33 | 107.88 | 310.37 | 22.13 | 238.33 | 89.92 |
| DAWN F2 | | | 4671.5 | | | |
| i) Running Hours ii) Non-Running Hours - No Demand | 79.68 504.98 | 83.15 2468.85 | 1021.95 2055.72 | 356.59 3267.41 | 915.25 2692.38 | 185.94 3462.06 |
| iii) Maintenance | 0 | | 546.33 | 0 | | 3462.06 |
| | | | | | | |
| DAWN G | 1225 5 | 1204 | FFC 72 | 722.40 | F3C 0 | 740.07 |
| i) Running Hours ii) Non-Running Hours - No Demand | 1325.5 1494.32 | 1294 2311.72 | 556.73 2854.09 | 722.48 2896.48 | 536.9 3000.72 | 740.97 2543.03 |
| iii) Maintenance | 804.17 | 42.28 | 213.08 | 5.03 | 86.38 | 364 |
| | | | | | | |
| | | | | | | |
| DAWN I | N1 / A | 1204 | 20.6 | 1110.50 | 725 42 | 151 52 |
| i) Running Hours | N/A N/A | 1294 2311 72 | 38.6 2867 33 | 1118.58 2478 7 | 725.43 2865 9 | 151.52 2344.73 |
| | N/A N/A N/A | 1294 2311.72 42.28 | 38.6 2867.33 718.07 | 1118.58 2478.7 26.72 | 725.43 2865.9 32.67 | 151.52 2344.73 1151.75 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A | 2311.72 | 2867.33 | 2478.7 | 2865.9 | 2344.73 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J | N/A N/A | 2311.72 42.28 | 2867.33 718.07 | 2478.7 26.72 | 2865.9 32.67 | 2344.73 1151.75 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A | 2311.72 | 2867.33 | 2478.7 | 2865.9 | 2344.73 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours | N/A N/A N/A | 2311.72 42.28 N/A | 2867.33 718.07 N/A | 2478.7 26.72 N/A | 2865.9 32.67 N/A | 2344.73 1151.75 657.46 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A | 2311.72 42.28 N/A N/A | 2867.33 718.07 N/A N/A | 2478.7 26.72 N/A N/A | 2865.9 32.67 N/A N/A | 2344.73 1151.75 657.46 2713.27 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand | N/A N/A N/A N/A | 2311.72 42.28 N/A N/A | 2867.33 718.07 N/A N/A | 2478.7 26.72 N/A N/A | 2865.9 32.67 N/A N/A | 2344.73 1151.75 657.46 2713.27 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand | N/A N/A N/A N/A N/A | 2311.72 42.28 N/A N/A N/A N/A 3204.92 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 | 2478.7 26.72 N/A N/A N/A N/A 702.85 2758.12 | 2865.9 32.67 N/A N/A N/A N/A 910.16 2659.02 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours | N/A N/A N/A N/A N/A N/A | 2311.72 42.28 N/A N/A N/A N/A 3204.92 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 | 2865.9 32.67 N/A N/A N/A N/A 910.16 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand | N/A N/A N/A N/A N/A N/A 988.25 2558.3 | 2311.72 42.28 N/A N/A N/A N/A 3204.92 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 | 2478.7 26.72 N/A N/A N/A N/A 702.85 2758.12 | 2865.9 32.67 N/A N/A N/A N/A 910.16 2659.02 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours | N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 | 2311.72 42.28 N/A N/A N/A 3204.92 3.96 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 0 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 | 2311.72 42.28 N/A N/A N/A N/A 3204.92 3.96 726.08 2916.19 | 2867.33 718.07 N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours | N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 | 2311.72 42.28 N/A N/A N/A 3204.92 3.96 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 0 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 | 2311.72 42.28 N/A N/A N/A 3204.92 3.96 726.08 2916.19 5.73 | 2867.33 718.07 N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 | 2311.72 42.28 N/A N/A N/A 3204.92 3.96 726.08 2916.19 5.73 | 2867.33 718.07 N/A N/A N/A N/A 2747.08 0 758.94 2860.81 4.25 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 | 2311.72 42.28 N/A N/A N/A 3204.92 3.96 726.08 2916.19 5.73 2662.13 984.67 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 | 2311.72 42.28 N/A N/A N/A 3204.92 3.96 726.08 2916.19 5.73 | 2867.33 718.07 N/A N/A N/A N/A 2747.08 0 758.94 2860.81 4.25 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours - No Demand iii) Maintenance LOBO B ii) Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 | 2311.72 42.28 N/A N/A N/A 139.12 3204.92 3.96 726.08 2916.19 5.73 2662.13 984.67 1.3 | 2867.33 718.07 N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 2456.37 1119 48.63 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours | N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 | 2311.72 42.28 N/A N/A N/A N/A 439.12 3204.92 3.96 726.08 2916.19 5.73 2662.13 984.67 1.3 | 2867.33 718.07 N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 2456.37 1119 48.63 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 2100.53 1507.75 15.72 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 625.07 2808.65 190.28 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B ii) Running Hours - No Demand iii) Maintenance LOBO B ii) Running Hours - No Demand iii) Maintenance LOBO B ii) Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 | 2311.72 42.28 N/A N/A N/A N/A 439.12 3204.92 3.96 726.08 2916.19 5.73 2662.13 984.67 1.3 | 2867.33 718.07 N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 2456.37 1119 48.63 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 2100.53 1507.75 15.72 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 |
| ii) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 ii) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 | 2311.72 42.28 N/A N/A N/A N/A 439.12 3204.92 3.96 726.08 2916.19 5.73 2662.13 984.67 1.3 | 2867.33 718.07 N/A N/A N/A N/A 2747.08 2747.08 2860.81 4.25 2456.37 1119 48.63 | 2478.7 26.72 N/A N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 2100.53 1507.75 15.72 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 625.07 2808.65 190.28 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 |
| ii) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 490.18 3132.6 | 2311.72 42.28 N/A N/A N/A N/A 3204.92 3.96 726.08 2916.19 5.73 2662.13 984.67 1.3 2973.08 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 2456.37 1119 48.63 682.69 2745.44 195.87 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 2100.53 1507.75 15.72 672.99 2950.99 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 625.07 2808.65 190.28 874.75 2734.5 14.75 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours - No Demand iii) Maintenance LOBO B ii) Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 490.18 3132.6 0 | 2311.72 42.28 N/A N/A N/A N/A 439.12 3204.92 3.96 726.08 2916.19 5.73 2662.13 984.67 1.3 2973.08 1.62 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 2456.37 1119 48.63 682.69 2745.44 195.87 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 2100.53 1507.75 15.72 672.99 2950.99 0.02 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 625.07 2808.65 190.28 874.75 2734.5 14.75 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 1739.47 1758.11 150.42 |
| ii) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 490.18 3132.6 | 2311.72 42.28 N/A N/A N/A N/A 3204.92 3.96 726.08 2916.19 5.73 2662.13 984.67 1.3 2973.08 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 2456.37 1119 48.63 682.69 2745.44 195.87 | 2478.7 26.72 N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 2100.53 1507.75 15.72 672.99 2950.99 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 625.07 2808.65 190.28 874.75 2734.5 14.75 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 1739.47 1758.11 150.42 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 490.18 3132.6 0 | 2311.72 42.28 N/A N/A N/A N/A 439.12 3204.92 3.96 2916.19 5.73 2662.13 984.67 1.3 273.08 1.62 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 2456.37 1119 48.63 682.69 2745.44 195.87 | 2478.7 26.72 N/A N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 2100.53 1507.75 15.72 672.99 2950.99 0.02 1182.52 2432.28 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 625.07 2808.65 190.28 874.75 2734.5 14.75 2434.09 1189.91 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 1739.47 1758.11 150.42 |
| ii) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 490.18 3132.6 0 | 2311.72 42.28 N/A N/A N/A N/A 3204.92 3.96 726.08 2916.19 5.73 2662.13 984.67 1.3 2973.08 1.62 762.7 2882.22 3.08 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 2456.37 1119 48.63 682.69 2745.44 195.87 | 2478.7 26.72 N/A N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 2100.53 1507.75 15.72 672.99 2950.99 0.02 1182.52 2432.28 9.2 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 625.07 2808.65 190.28 874.75 2734.5 14.75 2434.09 1189.91 0 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 1739.47 1758.11 150.42 0 |
| i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance DAWN J i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance LOBO B i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A1 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance BRIGHT A2 i) Running Hours ii) Non-Running Hours - No Demand iii) Maintenance | N/A N/A N/A N/A N/A N/A N/A 988.25 2558.3 77.45 1066.43 2557.47 0.1 1913.78 1403.74 306.48 490.18 3132.6 0 | 2311.72 42.28 N/A N/A N/A N/A 439.12 3204.92 3.96 2916.19 5.73 2662.13 984.67 1.3 273.08 1.62 | 2867.33 718.07 N/A N/A N/A N/A 876.92 2747.08 0 758.94 2860.81 4.25 2456.37 1119 48.63 682.69 2745.44 195.87 1539.78 1667.9 416.32 | 2478.7 26.72 N/A N/A N/A N/A 702.85 2758.12 163.03 594.91 3029.09 0 2100.53 1507.75 15.72 672.99 2950.99 0.02 1182.52 2432.28 | 2865.9 32.67 N/A N/A N/A 910.16 2659.02 54.72 1551.17 2072.83 0 625.07 2808.65 190.28 874.75 2734.5 14.75 2434.09 1189.91 | 2344.73 1151.75 657.46 2713.27 277.37 197.57 3450.31 0.12 241.26 3381.22 25.52 499.42 3142.88 5.7 1739.47 1758.11 150.42 |

CALCULATION OF RATE BASE AND REVENUE REQUIREMENTS

Parkway West 2014 Project Preliminary "High Level" Analysis

Filed: 2012-06-25 EB-2011-0210 J.B-1-7-8 Attachment 4

| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|------------------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <u>Particulars</u> | <u>1</u> | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| <u>Capital</u> | | | | | | | | | | |
| Land | 15,000 | | | | | | | | | |
| Compression-Transmission | 200,000 | | | | | | | | | |
| Total Capital | 215,000 | | | | | | | | | |
| Average Undepreciated Net Plant | 34,073 | 207,960 | 200,920 | 193,880 | 186,840 | 179,800 | 172,760 | 165,720 | 158,680 | 151,640 |
| REVENUE REQUIREMENT | | | | | | | | | | |
| Utility Return: | | | | | | | | | | |
| Interest expense | 889 | 5,428 | 5,244 | 5,060 | 4,877 | 4,693 | 4,509 | 4,325 | 4,142 | 3,958 |
| Equity return | 1,305 | 7,965 | 7,695 | 7,426 | 7,156 | 6,886 | 6,617 | 6,347 | 6,077 | 5,808 |
| Total Return | 2,194 | 13,393 | 12,939 | 12,486 | 12,032 | 11,579 | 11,126 | 10,672 | 10,219 | 9,766 |
| Income taxes on return required: | | | | | | | | | | |
| Income tax re equity return | 435 | 2,655 | 2,565 | 2,475 | 2,385 | 2,295 | 2,206 | 2,116 | 2,026 | 1,936 |
| Sub-total taxes | 435 | 2,655 | 2,565 | 2,475 | 2,385 | 2,295 | 2,206 | 2,116 | 2,026 | 1,936 |
| Adjustments to arrive at taxable income | (3,827) | (6,903) | (5,516) | (4,336) | (3,334) | (2,482) | (1,758) | (1,142) | (619) | (174) |
| Total taxes | (3,392) | (4,248) | (2,951) | (1,861) | (949) | (186) | 448 | 974 | 1,407 | 1,762 |
| Other operating costs: | | | | | | | | | | |
| O&M expense | - | - | - | - | = | - | - | - | - | - |
| Book depreciation | 3,520 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 |
| Municipal taxes | - | - | - | - | - | - | - | - | - | - |
| Capital taxes | | | | | | | | | | |
| Total Operating Costs | 3,520 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 | 7,040 |
| | - | - | - | - | - | - | - | - | - | - |
| Total Revenue Required | 2,323 | 16,184 | 17,028 | 17,665 | 18,124 | 18,433 | 18,614 | 18,686 | 18,666 | 18,568 |
| 10 Year simple Average Revenue Requireme | 16,429 | | | | | | | | | |

Assumptions:

60/40 Debt/Equity ROE 9.58% Debt 4.35% In Service Nov 2014

Property Taxes, and other O&M costs excluded as to are not known at this point

Allocation of Estimated Parkway West Project Costs

| | | Dawn-Trafalgar | | Estimated Parkway West |
|------|-------------|-----------------------------------|----------------------|------------------------------|
| Line | | Demand Alloca | ation ⁽¹⁾ | Project Costs ⁽²⁾ |
| No. | Particulars | $(10^6 \text{m}^3/\text{d x km})$ | (%) | (000's) |
| | | (a) | (b) | (c) |
| | | | | |
| 1 | Rate M1 | 1,820 | 6% | 940 |
| 2 | Rate M2 | 612 | 2% | 316 |
| 3 | Rate M4 | 178 | 1% | 92 |
| 4 | Rate M5 | 2 | 0% | 1 |
| 5 | Rate M7 | 82 | 0% | 42 |
| 6 | Rate M9 | 29 | 0% | 15 |
| 7 | Rate M10 | 1 | 0% | 0 |
| 8 | Rate T1 | 658 | 2% | 340 |
| 9 | Rate T3 | 207 | 1% | 107 |
| 10 | Rate M12 | 26,557 | 84% | 13,723 |
| 11 | Rate 01 | 1,189 | 4% | 614 |
| 12 | Rate 10 | 315 | 1% | 163 |
| 13 | Rate 20 | 83 | 0% | 43 |
| 14 | Rate 100 | 6 | 0% | 3 |
| | | | | |
| 15 | Total | 31,737 | 100% | 16,400 |

Notes:

- (1) The Dawn-Trafalgar demand allocation is provided at Exhibit G3, Tab 5, Schedule 23, Updated, pages 7-8, line 5.
- (2) The estimated Parkway West Project costs are provided at J.B-1-7-8 part b).

M12/M12-X/C1 Transportation Demand Charge Impact of the Parkway West Project

| Line No. | Services | EB-2011-0210 Updated: 2012-03-27 (\$/GJ/day) | | Parkway West Project Costs Included (\$/GJ/day) | Difference (\$/GJ/day) | % Change |
|-------------|----------------------------|----------------------------------------------------|-----|----------------------------------------------------------|---------------------------|-----------------|
| | | (a) | | (b) | (c) = (b) - (a) | (d) = (c) / (b) |
| 1 | M12/C1 Dawn to Kirkwall | 0.069 | (1) | 0.075 | 0.006 | 9.4% |
| 2 | M12/C1 Dawn to Parkway | 0.081 | (2) | 0.089 | 0.008 | 9.6% |
| 3 | M12/C1 Kirkwall to Parkway | 0.013 | (3) | 0.014 | 0.001 | 10.8% |
| 4 | C1 Parkway to Kirkwall | 0.020 | (4) | 0.022 | 0.002 | 10.8% |
| 5 | C1 Kirkwall to Dawn | 0.035 | (5) | 0.039 | 0.004 | 10.8% |
| 6 | C1 Parkway to Dawn | 0.020 | (6) | 0.022 | 0.002 | 10.8% |
| 7 | M12-X | 0.101 | (7) | 0.111 | 0.010 | 9.8% |

Notes:

- (1) EB-2011-0210, Exhibit H3, Tab 2, Schedule 1, page 13, line 1 * 12 / 365.
- (2) EB-2011-0210, Exhibit H3, Tab 2, Schedule 1, page 13, line 2 * 12 / 365.
- (3) EB-2011-0210, Exhibit H3, Tab 2, Schedule 1, page 13, line 3 * 12 / 365.
- (4) EB-2011-0210, Exhibit H3, Tab 2, Schedule 1, page 14, line 24 * 12 / 365.
- (5) EB-2011-0210, Exhibit H3, Tab 2, Schedule 1, page 14, line 25 * 12 / 365.
- (6) EB-2011-0210, Exhibit H3, Tab 2, Schedule 1, page 14, line 23 * 12 / 365.
- (7) EB-2011-0210, Exhibit H3, Tab 2, Schedule 1, page 13, line 5 * 12 / 365.

Filed: 2012-06-25 EB-2011-0210 J.B-1-7-8 Attachment 7



Parkway Projects Parkway West Pre-spend Approval

Doug Alexander – Director Engineering and Execution

Mark Isherwood – VP Business Development, Storage and Transmission

Jim Redford - Director, Business Development & Strategic Accounts

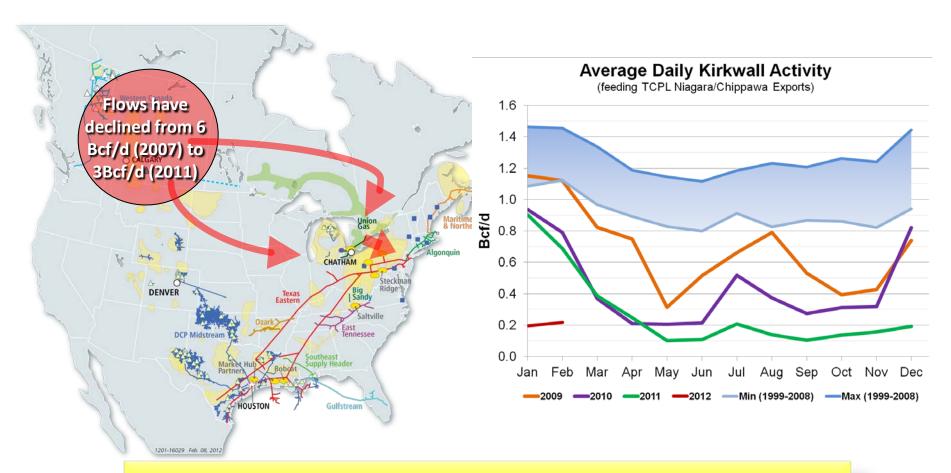
Agenda



- Background Changing Supply Dynamics
- Union Gas Strategic Response
- Actions to Date
- Parkway West Project
- Appendix

Background – Changing Supply Dynamics





Decreased natural gas flows out of Western Canada into Ontario, coupled with production growth in the Marcellus Shale, are driving exports at Kirkwall to all-time lows

Union Gas Strategic Response



Background

- Union held discussions in late 2010 and early 2011 with Enbridge to understand their concerns regarding security of supply at Parkway
 - ~70% of peak day Greater Toronto Area (GTA) volumes flow through Parkway or are delivered at Parkway
 - Enbridge expressed concern with this level of dependency given the projected impact of a Parkway outage
 - Enbridge was considering a new independent 3rd feed into the GTA
- Union began receiving significant turn back from TCPL (to Kirkwall) beginning November 1, 2011 (0.89 bcf/d by November 1, 2013)
- Union is now forecasting near zero exports at Kirkwall by 2013/14 due to Marcellus development
- Union's best opportunity to remarket capacity is to customers downstream of Parkway
- Pipe downstream of Parkway (Parkway to Maple) is owned by TCPL and is capacity constrained

Union Response

- In July of 2011, Union and Enbridge formed a study team to evaluate security of supply at Parkway and to look for synergistic solutions to re-enforce Parkway, create a new independent feed for Enbridge and to expand capacity on the constrained Parkway to Maple path
- Solution:
 - Union to build and own the Parkway West compressor station. Provides LCU protection for Parkway compressor volumes and provides bypass piping around existing station
 - With security of supply addresses, additional Parkway volumes could be considered
 - A new feed into the GTA from the Parkway West station to a new city gate for Enbridge at Albion is built. This section of pipe will be a Joint Venture between Union and Enbridge
 - Union builds and owns the remaining pipe from Albion to Maple. Union would then be able to provide service between Dawn and Maple
 - Sum of all projects defined as "Parkway Projects"

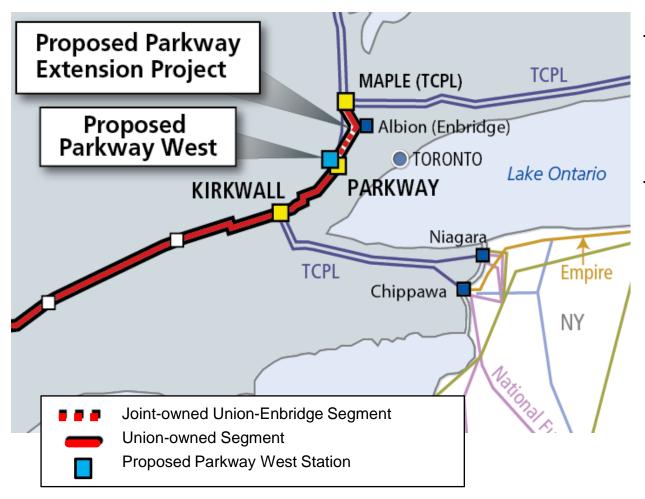
Actions to Date



- Option to purchase compressor station land secured in 2011 for new Parkway West site (April 2012 expiry)
- Memorandum of Understanding ("MOU") executed with Enbridge and Gaz Métro to support Parkway Extension Project
- MOU with Enbridge also supports a JV approach between Parkway and Albion (part of path to Maple)
- Open season launched March 13 for Parkway Extension Project and Dawn-Parkway capacity (closes April 25)

Parkway Projects





Parkway West

- Loss of Critical Unit Compression
- Second, secure Enbridge feed

Parkway Extension Project

 Parkway to Maple Pipeline and Compression

Suite of projects that will eliminate the bottleneck east of Parkway and provide Enbridge the third feed to the GTA



Parkway West

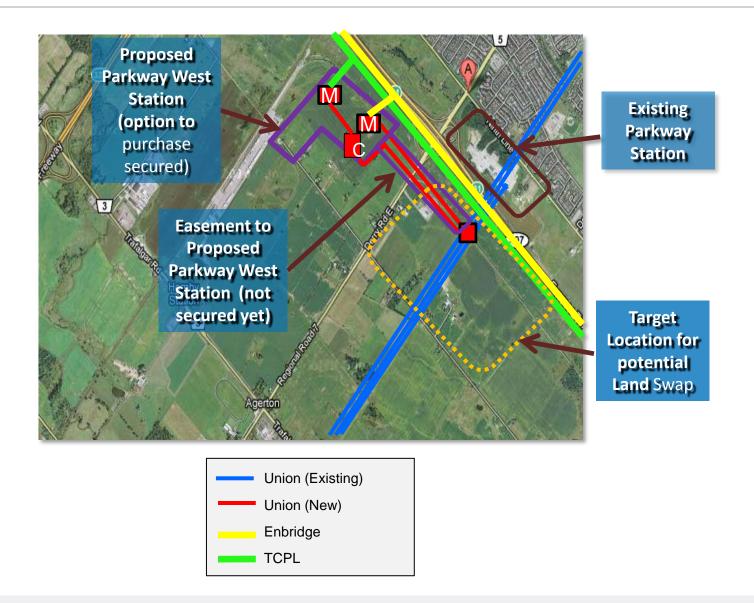
Transaction Overview



- Gas supply flow dynamics have changed significantly
- As a result, Parkway Compression utilization has increased significantly since 2009 and has also shifted to year-round exports;
 - Peak day flow increased from <0.5 Bcf/d in 2005 to 1.9 Bcf/d in 2011
 - With growth, Parkway flow is expected to exceed 3.0 Bcf/d by 2016
 - Parkway is the only location on Dawn-Parkway system without full Loss of Critical Unit (LCU) protection.
- Parkway West Facilities;
 - LCU Compressor (~47,000 HP)
 - New TCPL metering and interconnect with existing TCPL infrastructure
 - New Enbridge metering and interconnect with existing Enbridge infrastructure
 - Parkway Discharge Metering Upgrade to provide custody transfer measurement for TCPL discharge
 - Future metering and interconnect with new pipeline to Albion/Maple
- Estimated Capital Expenditure: CDN\$224 million
- Targeted In-Service Date: November 1, 2014
- No new incremental capacity associated with Parkway West
- Parkway West facilities provide reliability and security of supply for customers east of Parkway and provide ability to re-contract existing capacity and pursue expansion capacity

Project Map





Strategic Rationale



- Prior to the development of Parkway West, Enbridge was considering a new feed into the GTA to address supply reliability
- A new Enbridge feed would have resulted in reduced volumes (decontracting) on the Union system
- Parkway West provides supply reliability and eliminates this risk
- An outage at Parkway on a peak day would have significant consequences for the GTA
- Parkway West would mitigate the impact of a Parkway compression outage
- Union has and continues to experience decontracting by TCPL on the Dawn to Kirkwall path
- The additional security of supply created by Parkway West will possibly allow Union the ability to resell the turn back capacity
- Parkway West complements future growth projects east of Parkway, including the proposed Parkway
 Extension Project and Enbridge System Upgrade
- Parkway West complements Ontario and Quebec consumers increasing supply diversity back to Dawn
- Provides operational and maintenance flexibility for Parkway compressor units

Base Case Assumptions



- In-service Date November 1, 2014
- Capital \$224 M
- All analysis done in Canadian dollars
- The Union Gas estimate of \$224 M was used in analysis, not the Monte Carlo CapEx Mean (\$200 M)
- Project economics assume full cost of service recovery in rates at regulated return levels
- Reflects 2013 Rate Case application to increase equity ratio from 36% to 40% and ROE of 9.58%
- Includes 200 basis point increase in ROE above regulated return to recognize revenue synergies realizable from additional transactional services available at Dawn Hub

SE Financial Implication



CapEx \$224.0 MM

IRR 6.6% NPV@ 8.5% (\$ 33.9) MM NPV@ 5.8% \$17.9 MM

Payback (years) 17.0

IRR Based on Regulated Utility Return

Increase in Equity ratio to 40%

Dawn S&T Transactional Synergies

Base Case IRR

5.5%

0.3%

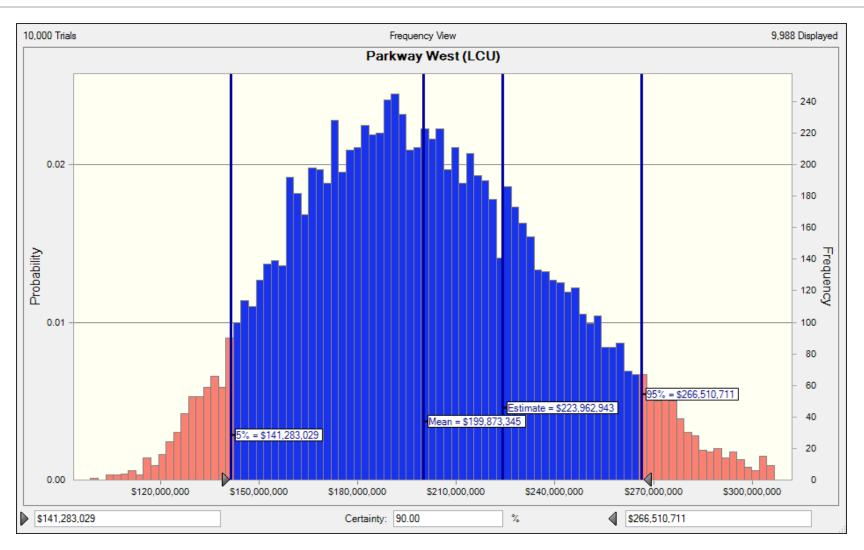
0.8%

6.6%

| \$ MM CDN | <u>2011</u> | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>2017</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| CapEx | \$0.2 | \$36.8 | \$40.8 | \$144.4 | \$1.7 | - | - |
| AT Cash Flow | (\$0.2) | (\$36.8) | (\$40.8) | (\$139.8) | \$14.4 | \$15.9 | \$15.7 |
| Revenue | | | | 2.0 | \$21.5 | \$22.3 | \$23.0 |
| EBIT | | | | (\$1.4) | \$12.8 | \$13.5 | \$14.1 |
| EBITDA | | | | \$1.6 | \$18.8 | \$19.6 | \$20.1 |
| ROCE (%) | | | | (1.0)% | 5.9% | 6.4% | 6.9% |
| ROE (%) | | | | 11.6% | 11.6% | 11.6% | 11.6% |

CapEx Monte Carlo Results

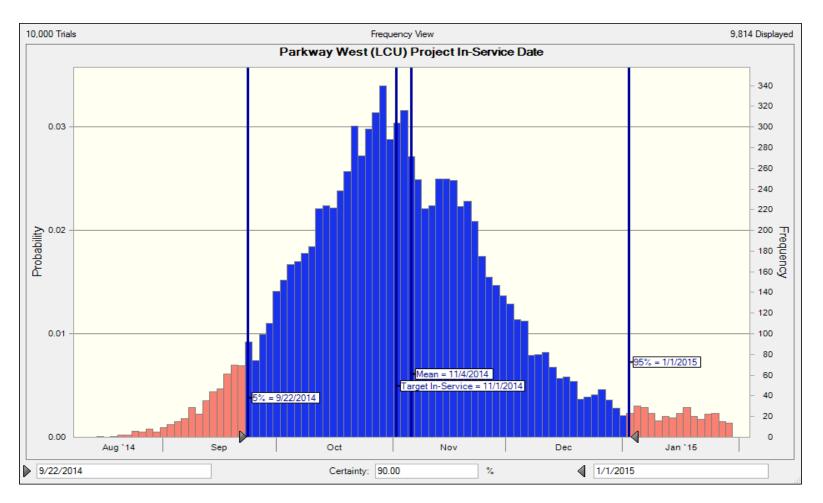




Estimate is at the 73rd percentile

Schedule Monte Carlo Results





Target In-Service date is at the 50th percentile

Risks and Mitigation



| Risk | Mitigation |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulatory Risk OEB Approval of rate increase to cover Parkway West Capital | Meet with the OEB to describe the linkage to Enbridge GTA upgrade project and the Parkway to Maple extension project. Consider early filing for OEB approval Seek specific cost recovery through new IR framework Demonstrate market support for Parkway to Maple and customer decision for greater supply diversity |
| • Ability to acquire easements for headers from Trafalgar Lines | Apply early for project approval and expropriation rights, if necessary Potential for Parkway West land swap that would eliminate need for headers on easement |
| Competitive Risk • TCPL's competitive response | Detailed regulatory and advocacy strategy |

Risks and Mitigation



| Risk | Mitigation |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cost Overrun Risk Material and construction cost overruns for major components (i.e. compressor package, meters and pipe) | Early order of major equipment (Compressor – August 2012) Potential for land swap – would reduce capital cost Feasibility level cost estimate includes 20% contingency (excludes land purchase) Pre-spend allows for preliminary engineering to be completed to develop pre-budget quality estimate for planning |
| • Land cost increasing (Station property) | • Exercise land option and secure station property |
| • Cost of easements for headers from Trafalgar Lines | Purchase or option easements as soon as possible to lock in cost for Union Gas headers from Trafalgar lines Land swap would eliminate need for easement for headers |
| TimingDelay in overall Project timingDelay in securing permits | Managed through project management process and focus Apply for as early as possible |

Summary



- Parkway West is critical infrastructure
- Parkway West addresses supply reliability related to the significant changes in gas flows in Ontario
- Provides reliability for existing and new export volumes for customers downstream of Parkway (Enbridge, Gaz Métro and ANE)
- Provides opportunity to re-contract Dawn-Kirkwall capacity turned back by TCPL
- Complements Parkway Extension Project (Parkway-Maple) which facilitates Ontario consumers supply diversity back to Dawn

Next Steps



- Union requests FRC endorsement to seek approval from the TRC for pre-spend capital of \$37.3 million in 2012
- Prior to seeking FRC endorsement of full project, advance Parkway West by securing lands, completing detailed engineering and committing to vendor engineering for the compressor unit
- Seek FRC, TRC and SE Board of Directors final approval of full project in 2H2012 once detailed engineering and costing is completed

Appendices



- Capital Costs
- SE Financial Implication Based on Deferred Tax
- Union Gas System Map
- Parkway Extension Project Background





| Year | Project Component | Cost (as spent millions CDN) |
|------|------------------------------------------------|------------------------------------|
| 2012 | Purchase Parkway West Land and Easements | \$26 |
| 2013 | Upgrade Existing Parkway Discharge Metering | \$8 |
| 2014 | Parkway West – Trafalgar Connection and Header | \$29 |
| 2014 | Enbridge Measurement and Parkway Header | \$35 |
| 2014 | TCPL Measurement | \$19 |
| 2014 | LCU Compression | \$107 |
| | TOTAL | \$224 |

SE Financial Implication - Based on Deferred Tax

CapEx \$224.0 MM **IRR** 6.6% NPV@ 8.5% (\$ 32.6) MM NPV@ 5.8%

\$14.3 MM

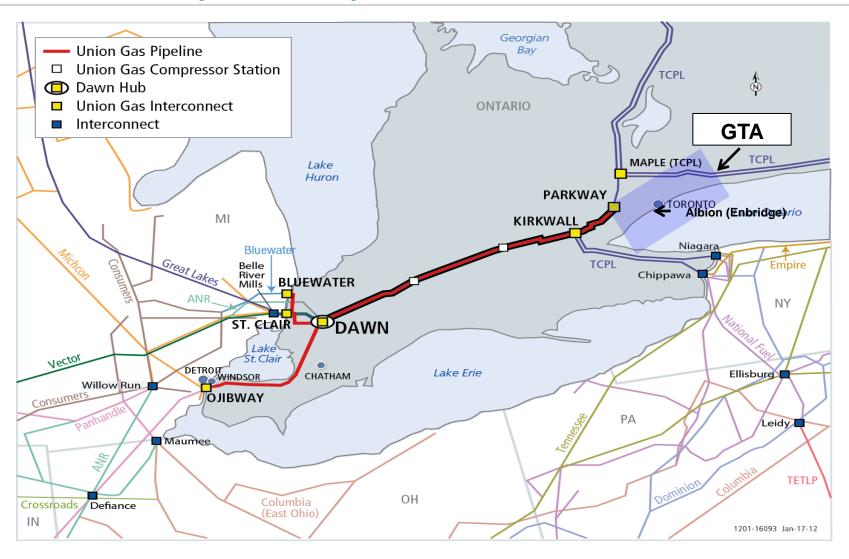
Payback (years) 18.0

| IRR Based on Regulated Utility Return | 5.5% |
|---------------------------------------|-------------|
| Increase in Equity ratio to 40% | 0.3% |
| Dawn S&T Transactional Synergies | <u>0.8%</u> |
| Base Case IRR | 6.6% |

| \$ MM CDN | <u>2011</u> | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>2017</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| CapEx | \$0.2 | \$36.8 | \$40.8 | \$144.4 | \$1.7 | - | - |
| AT Cash Flow | (\$0.2) | (\$36.8) | (\$40.8) | (\$140.1) | \$14.1 | \$15.5 | \$15.1 |
| Revenue | | | | 6.4 | \$27.3 | \$26.7 | \$26.0 |
| EBIT | | | | \$3.0 | \$18.6 | \$17.9 | \$17.2 |
| EBITDA | | | | \$6.0 | \$24.6 | \$23.9 | \$23.2 |
| ROCE (%) | | | | 2.0% | 8.8% | 8.9% | 8.9% |
| ROE (%) | | | | 9.7% | 11.7% | 11.8% | 11.8% |

Spectra) Energy

Union Gas System Map



Spectra Energy

Parkway Extension Project

- Growth project that extends the Union Gas system from Parkway to Maple and eliminates the bottleneck east of Parkway
- Parkway to Albion (or Maple) jointly owned with Enbridge in undivided interest. Enbridge needs 800 mmcfd of capacity to Albion
- Binding open season launched in March for ~ 1 PJ/d of capacity to Parkway plus 500-700 mmcfd of capacity to Maple (in addition to Enbridge Albion requirement)
 - Non-binding MOU's executed with Enbridge and Gaz Metro
- Facilities include:
 - 29 mile Parkway to Maple Pipeline (36 or 42 inch)
 - Maple and Parkway ('D' Plant) Compression
- November 1, 2015 in-service target
- \$400-600 M estimated capital cost added to Union Gas rate base

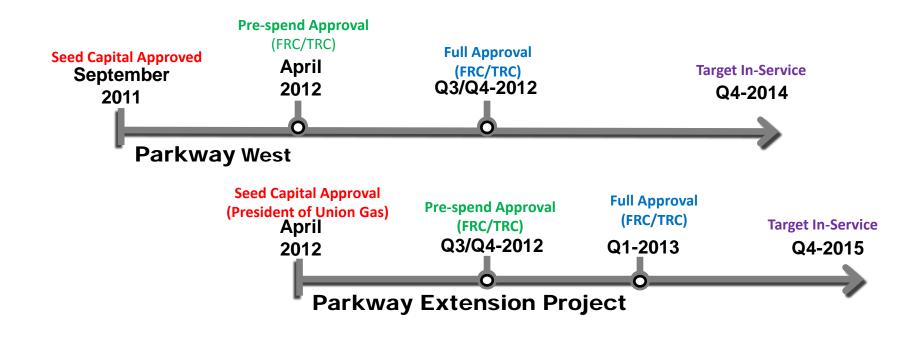
Spectra) Energy

Parkway Extension Project Strategic Rationale

- Serves growing demand for natural gas in Ontario, Quebec and the US Northeast
- Provides consumers with choice: a new transportation option to link supply with demand, supporting the development of new natural gas infrastructure
- Provides secure access to diverse supply basins for residential, commercial, industrial, and Direct Purchase customers within the Union Gas, Enbridge and Gaz Métro franchise areas
- Provides access to affordable energy options
- Supports economic development powered by cleaner energy (Ontario's off-coal initiative)
- Enhances reliability and security of supply by providing a second pipeline option to Maple and supports upgrades to the GTA delivery system.
- Links markets and supply basins to the Dawn Hub, Canada's largest underground storage facility, where Shippers can contract for Union's suite of innovative, customizable storage and transmission services
- Joint pipeline development serving Union Gas and Enbridge needs creates synergies for economics as well as environmental and social impacts

Parkway Projects Estimated Approval Timeline





Filed: 2012-06-25 EB-2011-0210 J.B-1-7-8 Attachment 8



Parkway Projects Parkway West Pre-spend Approval

Mark Isherwood – VP Business Development, Storage and Transmission Jim Redford - Director, Business Development & Strategic Accounts

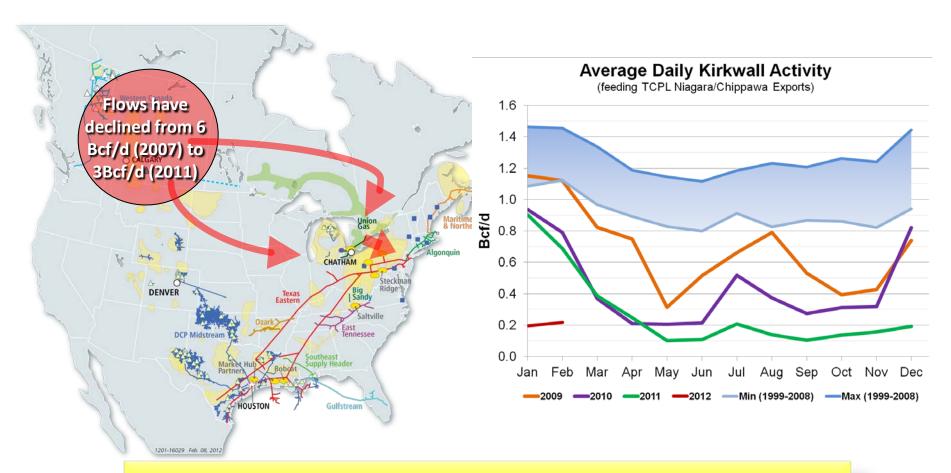
Agenda



- Background Changing Supply Dynamics
- Union Gas Strategic Response / Actions to Date
- Parkway West Project
- Appendix

Background – Changing Supply Dynamics





Decreased natural gas flows out of Western Canada into Ontario, coupled with production growth in the Marcellus Shale, are driving exports at Kirkwall to all-time lows

Union Gas Strategic Response



Background

- Discussions in late 2010 and early 2011 with Enbridge re: concerns regarding security of supply at Parkway
 - ~70% of peak day Greater Toronto Area (GTA) volumes flow through or are delivered at Parkway
 - Expressed concern with current level of dependency and projected impact of a Parkway outage
 - Enbridge was considering a new independent 3rd feed into the GTA
- Capacity turn back from TCPL (to Kirkwall) beginning November 1, 2011 expect 0.9 bcfd by November 1, 2013
- Forecasting near zero exports at Kirkwall by 2013/14 due to Marcellus supply development
- Opportunity to remarket capacity is to customers downstream of Parkway
- TCPL capacity downstream of Parkway (Parkway to Maple) is capacity constrained
- Volumes through Parkway compression have grown from < 0.5 bcfd in 2005 to 1.9 bcfd in 2012

Union Response

- In 1H/11 Union and Enbridge team assembled to evaluate security of supply at Parkway and review options
- Solution:
 - Union to build new redundant (LCU) compression at Parkway West compressor station.
 - With security of supply addressed, additional Parkway volumes could be considered
 - New Parkway compression will support Enbridge new feed into the GTA (Albion) via Joint Venture between Union and Enbridge and new demands from eastern markets
 - Seek market support for capacity from Parkway to Maple Union to construct pipe from Albion to Maple
 - Sum of all projects defined as "Parkway Projects"

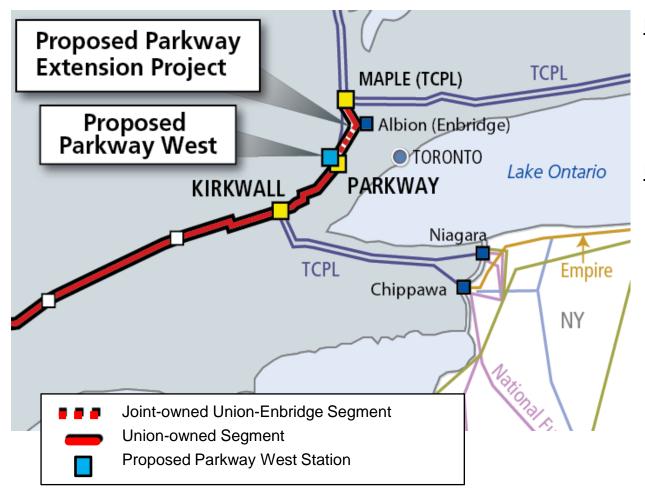
Actions to Date



- Option to purchase compressor station land secured in 2011 for new Parkway West site
 - Currently negotiating extension of option from April 2012 expiry to April 2013
- Memorandum of Understanding ("MOU") executed with Enbridge and Gaz Métro to support Parkway Extension Project
- MOU with Enbridge also supports a Joint Venture approach between Parkway and Albion (part of path to Maple)
- Open season launched March 13 for Parkway Extension Project and Dawn-Parkway capacity (closes April 25)

Parkway Projects





Parkway West

- Loss of Critical Unit Compression
- Second, secure Enbridge feed

Parkway Extension Project

 Parkway to Maple Pipeline and Compression

Suite of projects that will eliminate the bottleneck east of Parkway and provide Enbridge the third feed to the GTA



Parkway West

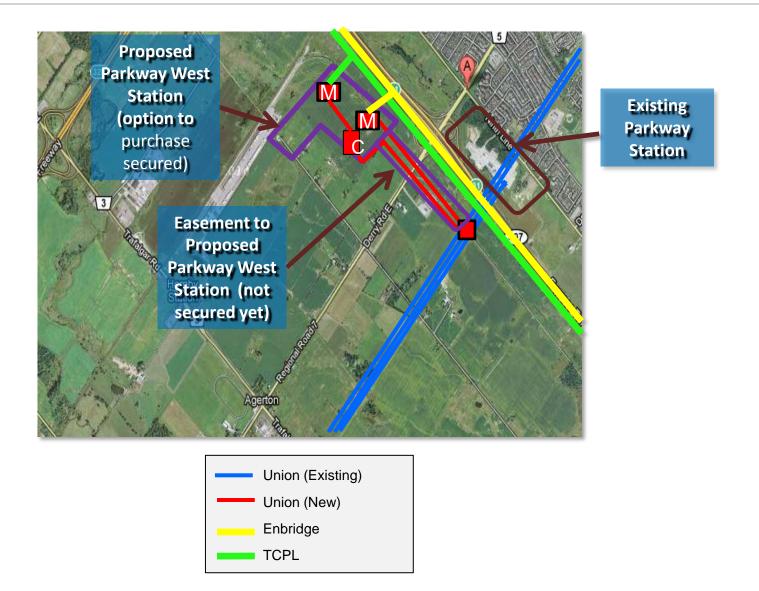
Transaction Overview



- Parkway West Facilities;
 - LCU Compressor (~47,000 HP)
 - New TCPL metering and interconnect with existing TCPL infrastructure
 - New Enbridge metering and interconnect with existing Enbridge infrastructure
 - Parkway Discharge Metering Upgrade to provide custody transfer measurement for TCPL discharge
 - Future metering and interconnect with new pipeline to Albion/Maple
- Estimated Capital Expenditure: CDN\$224 million
- Project currently considered Maintenance Capital
- Targeted In-Service Date: November 1, 2014
- No new incremental capacity associated with Parkway West
- Parkway West facilities required to support reliability and security of supply for existing customer volumes and markets east of Parkway
- New Parkway West station would provide ability to expand system and volumes going forward

Project Map





Strategic Rationale



- An outage at Parkway on a peak day would have significant consequences for the GTA and Ontario
- Parkway West required to provide security of supply reliability for existing Parkway demands
- Parkway West would mitigate the impact of a Parkway compression outage
- Parkway West complements future growth projects east of Parkway, including the proposed Parkway
- Extension Project and Enbridge System Upgrade
- Provides operational and maintenance flexibility for Parkway compressor units

Base Case Assumptions



- In-service Date November 1, 2014
- Capital \$224 M
- All analysis done in Canadian dollars
- Project economics assume full cost of service recovery in rates at regulated return levels
- Reflects 2013 Rate Case application to increase equity ratio from 36% to 40% and ROE of 9.58%

SE Financial Implication



CapEx \$224.0 MM

IRR 6.6%

NPV@ 8.5% (\$ 33.9) MM NPV@ 5.8% \$17.9 MM

Payback (years) 17.0

IRR Based on Regulated Utility Return 5.5%
Increase in Equity ratio to 40% 0.3%
ROE Upside 0.8%

Base Case IRR 6.6%

| \$ MM CDN | <u>2011</u> | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>2017</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| СарЕх | \$0.2 | \$36.8 | \$40.8 | \$144.4 | \$1.7 | - | - |
| AT Cash Flow | (\$0.2) | (\$36.8) | (\$40.8) | (\$139.8) | \$14.4 | \$15.9 | \$15.7 |
| Revenue | | | | 2.0 | \$21.5 | \$22.3 | \$23.0 |
| EBIT | | | | (\$1.4) | \$12.8 | \$13.5 | \$14.1 |
| EBITDA | | | | \$1.6 | \$18.8 | \$19.6 | \$20.1 |
| ROCE (%) | | | | (1.0)% | 5.9% | 6.4% | 6.9% |
| ROE (%) | | | | 11.6% | 11.6% | 11.6% | 11.6% |

Risks and Mitigation



| Risk | Mitigation |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulatory Risk OEB Approval of rate increase to cover Parkway West Cost of service | proactive outreach with OEB Pursue early filing for OEB facilities approval Coordinate regulatory application for Parkway West with Enbridge GTA upgrade project Seek specific cost recovery mechanism through new IR framework Demonstrate market support for Parkway to Maple and customer desire for greater supply diversity |
| Ability to acquire easements for headers from Trafalgar Lines | Apply early for project approval and expropriation rights, if necessary |
| <u>Competitive Risk</u> ■ TCPL's competitive response | demonstrate market and system need for LCU capacity at Parkway |

Risks and Mitigation



| Risk | Mitigation |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cost Overrun Material and construction cost overruns for major components (i.e. compressor package, meters and pipe) | Early order of major equipment (Compressor engineering – July 2012) Feasibility level cost estimate includes 20% contingency (excludes land purchase) Pre-spend allows for preliminary engineering to be completed to develop pre-budget quality estimate for planning |
| • Land cost (Station property) | • Exercise land option and secure station property |
| Cost of easements for headers from Trafalgar Lines | Purchase or option easements as soon as possible to lock in cost for Union Gas headers from Trafalgar lines |
| Timing Delay in overall Project timing Delay in securing permits | Managed through project management process and focus Apply for as early as possible |



Parkway West Timelines

- Negotiate Land Option Extension April 2012
 - Exercise Land Option April 30, 2012 if option extension cannot be negotiated
- Complete detailed Station and pipeline engineering design Start May 2012
 - Supports compressor package design, permitting and OEB filing
- Complete compressor package engineering (Vendor) Start July 2012
 - Commit to compressor order in Q4 2012 or Q1 2013
- OEB Filing Q3 2012 (aligned with Enbridge Reinforcement filing)
 - Leave to Construct for compression and header pipelines
- Seek rate recovery through new incentive rate framework
- Order material for Parkway metering upgrade Q4 2012
- Commit to Parkway West long lead items Q2 2013
 - 54" pipe, valves, buildings, major equipment

Parkway West 2012 Cash Flow



| Project Component | To Date | April | May | June | July | Aug | Sept | Oct | Nov | Dec | Total |
|--------------------------------------------|------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|---------|
| Land and Easements | | | | \$20.0 | | | | \$6.0 | | | \$26.0 |
| Compressor Engineering & Early Order | | | | | | \$2.5 | | | \$3.6 | | \$6.1 |
| Detailed Station and Pipeline Design | \$0.4 | \$0.1 | \$0.6 | \$0.2 | \$0.3 | \$0.3 | \$0.3 | \$0.4 | \$0.3 | \$0.4 | \$3.3 |
| Contingency | | | | | | | | | | | \$1.8 |
| IDC | | | | | | | | | | | \$0.1 |
| TOTAL | | | | | | | | | | | \$37.3M |

Note:

- All costs in \$CDN
- Land and Easement costs assume land option (easement) and option extension (station property) were not available and full payment required.





- Parkway West is critical to support reliability of existing customer demands
- Parkway West driven by significant changes in gas flows in Ontario
- Provides reliability for existing and new export volumes for customers downstream of Parkway (Enbridge, Gaz Métro and ANE)
- Provides compressor station footprint to support future demands from eastern Canadian and US shippers at Parkway

Next Steps



- Union request TRC approval of pre-spend capital of \$37.3 million in 2012 (assumes no land option extension)
- Seek FRC, TRC and Board approvals as necessary in 2H2012 upon completion of detailed engineering cost estimates

Appendices



SE Financial Implication – Based on Deferred Tax (Parkway West)

Spectra) Energy

SE Financial Implication - Based on Deferred Tax

CapEx \$224.0 MM IRR 6.6%

NPV@ 8.5% (\$ 32.6) MM NPV@ 5.8% \$14.3 MM

Payback (years) 18.0

| IRR Based on Regulated Utility Return Increase in Equity ratio to 40% ROE Upside | 5.5% 0.3% <u>0.8%</u> |
|----------------------------------------------------------------------------------|-----------------------------|
| Base Case IRR | 6.6% |

| \$ MM CDN | <u>2011</u> | <u>2012</u> | <u>2013</u> | <u>2014</u> | <u>2015</u> | <u>2016</u> | <u>2017</u> |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| CapEx | \$0.2 | \$36.8 | \$40.8 | \$144.4 | \$1.7 | - | - |
| AT Cash Flow | (\$0.2) | (\$36.8) | (\$40.8) | (\$140.1) | \$14.1 | \$15.5 | \$15.1 |
| Revenue | | | | 6.4 | \$27.3 | \$26.7 | \$26.0 |
| EBIT | | | | \$3.0 | \$18.6 | \$17.9 | \$17.2 |
| EBITDA | | | | \$6.0 | \$24.6 | \$23.9 | \$23.2 |
| ROCE (%) | | | | 2.0% | 8.8% | 8.9% | 8.9% |
| ROE (%) | | | | 9.7% | 11.7% | 11.8% | 11.8% |



Enbridge & Union Executive Meeting

Filed: 2012-06-25 EB-2011-0210 J.B-1-7-8 Attachment 9

Jan 12, 2012

Agenda



- Reliability Team summary and conclusions
- Understanding TCPL's Expansion Options & Plans
- 3. Parkway East
 - Proposed Timeline for Open Season
 - Proposed MOU between Enbridge and Union
- New Supply to Dawn
- Next Steps

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Importance of Reliability



- Currently 70% of Enbridge peak day flows pass through or are delivered at Parkway
 - 0.5 PJ/d through Parkway compression discharge Parkway (TCPL)
 - 1.7 PJ/d from suction side of Parkway Parkway (Consumers)/Lisgar
- Enbridge considering increasing reliance on deliveries at or through Parkway
 - Supports GTA Reinforcement, including optimizing deliveries at Albion (up to 840 TJ/d)
 - Provides access to Marcellus/Utica shale gas supply (up to 500 TJ/d)
- Fundamental Question

Do incremental deliveries through Parkway impact Enbridge vulnerability?

- As well, market need for incremental supplies through Parkway to get to the NDA and EDA will add demands to Parkway
- Enbridge and Union engineering teams worked together to evaluate this issue

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Dawn Parkway System

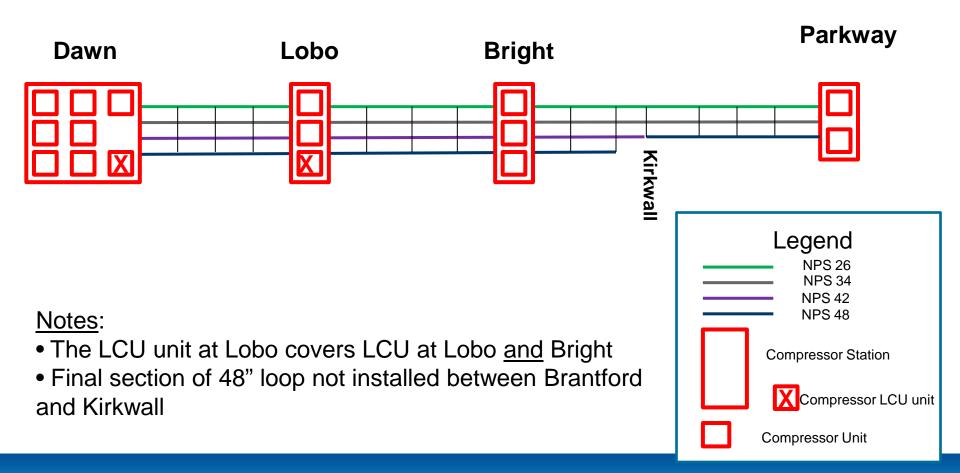


- Operations Background:
 - Union Gas has excellent operating history
 - Union Gas has operations, maintenance, emergency response and integrity management systems in place to manage threats and ensure reliability
 - Union Gas has Loss of Critical Unit coverage for compression on the Dawn to Parkway system with the exception of Parkway (TCPL)
- Parkway Obligations:
 - Total Parkway Obligations are ~700 TJ/day (System and Direct Purchase Customers)
 - Parkway Obligations are delivered to the discharge side of Parkway
 - 2/3^{rds} of Parkway Obligations are backed by firm pipeline capacity
 - Parkway Obligations are assumed to be met when completing impairment modelling

Dawn-Parkway System - Current



Current Dawn-Parkway System Schematic

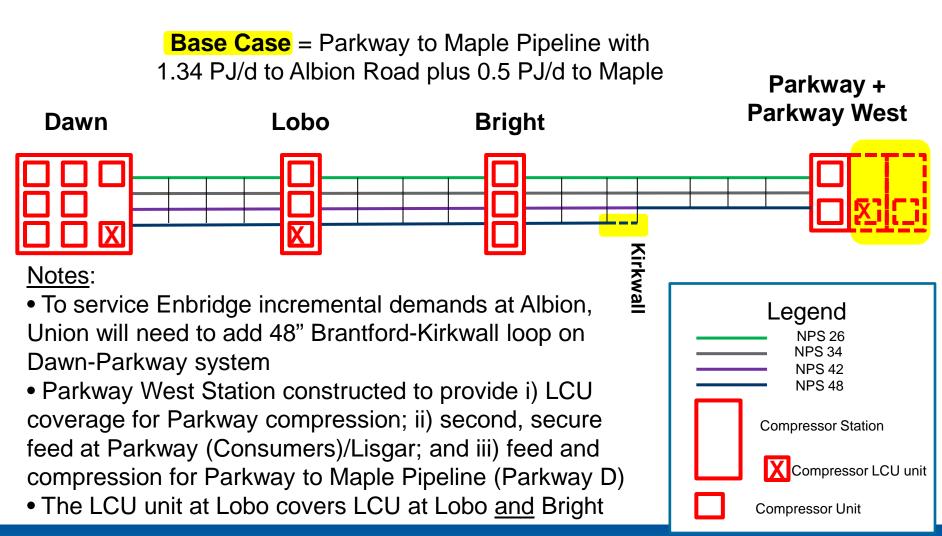


Dawn-Parkway System - Future



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Dawn-Parkway System Schematic



Reliability between Dawn and Parkway



- Current potential <u>Enbridge</u> exposure on a 35 HDD is:
 - 96 critical km of pipeline from Bright to Parkway where outage results in 100-800 TJ/d of delivery shortfall
- Once the Base Case demands added and the Parkway to Maple Pipeline is constructed (assuming 48" Brantford-Kirkwall loop is also constructed), potential <u>Enbridge</u> exposure on a 35 HDD is:
 - 88 critical km of pipeline from Kirkwall to Parkway where outage results in 150-725 TJ/d of delivery shortfall
- Probability of pipeline failure on the Dawn to Parkway system is 9x10⁻⁴ failures/year
 - Probability of pipeline failure on the Dawn to Parkway system is once in 1,130 years
 - Probability of pipeline failure on a 35 HDD on the Dawn to Parkway system is once in 82,644 years
- Compressor outage on Dawn to Parkway system impacts deliveries to Enbridge only in the unlikely
 event that i) multiple compressor unit failures occur at one compressor station, ii) one compressor
 unit failure occurs at multiple compressor stations (Lobo + Bright) or iii) a combination of both
 - Compressor reliability exceeds 99.9% over 10 year period

With Enbridge commitment to further Dawn-Parkway capacity, infrastructure expansion in critical locations provides a slight increase in pipeline reliability west of Parkway and security of supply for Enbridge customers east of Parkway

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Reliability at Parkway



- Currently a compressor outage at Parkway on a 35 HDD results in potential <u>Enbridge</u> exposure of 150-300 TJ/d of delivery shortfall
 - Physical shortfall could be much larger than the contractual shortfall
- If the existing Parkway Station connection to the Dawn-Parkway system fails (at the valve site, on the suction side of the station) and Parkway has to be shut in, a potential 2.2 PJ/d of delivery shortfall to Enbridge could occur
- LCU at Parkway West will protect existing Parkway (TCPL) compression plus compression installed to support the Parkway to Maple Pipeline (Parkway D)
- Parkway West will also provide a second, secure interconnect from the Dawn-Parkway system providing protection for all Enbridge deliveries at Parkway (Consumers)/Lisgar
- Reliability at Parkway improves significantly with Parkway West in place (contractual and physical)
- Potential Enbridge exposure, with Parkway West in-service, would be limited to multiple compressor failures at one or more compressor stations or outage of both connections to the Dawn-Parkway system
 - Extremely low risk scenario

The addition of Parkway West, including LCU protection and a second, secure interconnect for Parkway(Consumers)/Lisgar capacity, provides significant security of supply benefits for Enbridge customers east of Parkway

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Reliability Team Conclusions



- Parkway West and 48" Brantford-Kirkwall looping are critical infrastructure that provide needed upstream capacity for the GTA reinforcement project and enhance security of supply for Enbridge customers east of Parkway
- The 48" Brantford-Kirkwall looping supplying the GTA reinforcement project slightly decreases Enbridge risk and consequence of a pipeline outage on Dawn-Parkway, even with significant incremental demands from the Base Case on Union's system
 - Probability of pipeline failure on the Dawn-Parkway system on a 35 HDD is 1 in 82,644 years
- Loss of Critical Unit protection at Dawn, Lobo and Bright limits Enbridge exposure to multiple compressor unit failures at one or more compressor stations
- With Parkway West in place:
 - Loss of Critical Unit protection is provided for existing Parkway compression
 - A secure, second interconnect to the Dawn-Parkway system provides security of supply for Enbridge deliveries at Parkway(Consumers)/Lisgar
 - Loss of Critical Unit protection is provided for compression required to support the Parkway to Maple Pipeline (Parkway D)

Reinforcing supply to Enbridge through the Dawn-Parkway system provides significant security of supply benefits to Enbridge customers east of Parkway and will meet Enbridge's needs for a third feed into the GTA

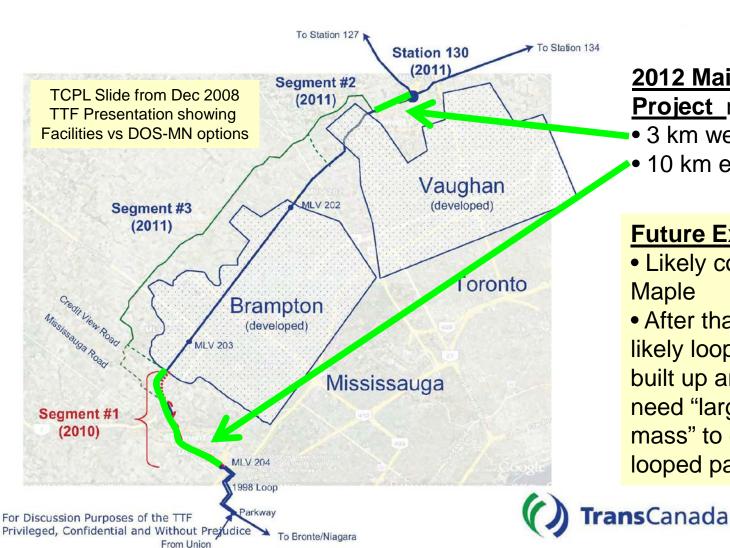
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TCPL Expansion Options on the Parkway to Maple path

TCPL Expansion Options / Plan (2008 vs. 2012)





2012 Mainline Expansion Project now proposes:

- 3 km west of Maple and
- 10 km east of MLV 204

Future Expansion:

- Likely compression at Maple
- After that TCPL is likely looping around built up areas and will need "large critical mass" to complete looped path

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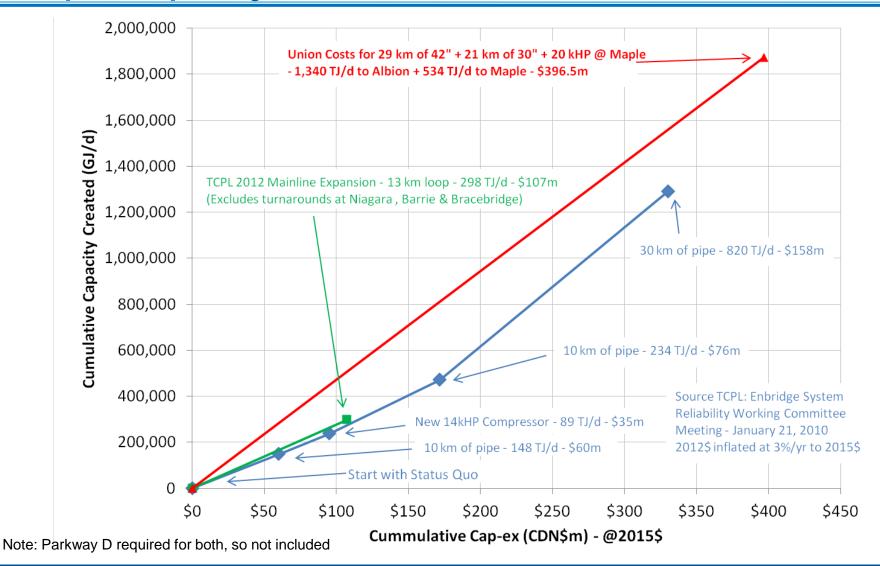
Comparing Costs of Parkway to Maple Capacity



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Conclusions



- Once fully built out, our costs to expand are more economic than TCPL's, (on both a \$/km pipe cost and a capex\$/GJ/d created basis)
 - If Union and Enbridge combine demands and work together to capture synergies and build a larger project, TCPL is less competitive
- TCPL may have a relatively low cost 1st tranche of capacity expansion (for 2012), but any expansion project beyond a 2013 compression project will require significant market commitment (because TCPL will go around Brampton) – which TCPL is unlikely to obtain under the current regulatory framework
- TCPL has asked NEB for approvals of the project on or by May 1, 2012
- The costs for existing TCPL shippers to withdraw from the TCPL project are limited to commitments incurred by TCPL to date – if before May 1, most of which are the NPV of TCPL's Union M12 contracts – which Union may be willing to negotiate away if the current TCPL shippers were to shift support to our project with M12 capacity (and take TCPL's M12 capacity)

 Union and Enbridge should proceed with the project immediately, with Open Season launch by Jan 20, 2012

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Enbridge – Union Parkway to Albion to Maple project

Potential Shippers - Downstream of Maple



| | Shipper & Description | Potential* (TJ/d) | Timing |
|---|------------------------------------------------------------------|----------------------|---------|
| 1 | Union – EDA & NDA - Long Haul to SH conversion + Direct Purchase | 293 | 2014/15 |
| 2 | Enbridge – EDA – Long Haul to Short Haul conversion | 197 | 2014/15 |
| 3 | Gaz Métro – EDA – Long Haul to Short Haul for Direct Purchase | 232 | 2014/15 |
| | Total = | 722 | |

^{*=} maximum potential quantity

- There is significant market potential Downstream of Maple that could support new infrastructure
- Articulating planned commitments by LDCs in the Open Season brings credibility to the project

Proposed near-term Timeline for Parkway to Albion to Maple



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| Description | Timing | Who |
|----------------------------------------------------------------------|--------------------------------------------------------|-------------------|
| Memorandum of Understanding | Execute by Jan 20th | Union & Enbridge |
| Start preparing & negotiating definitive co- ownership agreements | After MOU | Union & Enbridge |
| Launch Binding Open Season, with Press release | After MOU – targeting Jan 20th | Union |
| Marketing to customers and stakeholders | While Open Season underway | Union & Enbridge |
| Close Open Season | Late Feb – early March (30 business days after launch) | |
| Award Capacity & issue PA's and Contracts | Early March | Union |
| Initiate Reverse Open Season on Union | Mid March | Union |
| Shippers waive Conditions Precedent | By end of March | Customers & Union |
| Internal Approvals | By late April | Union & Enbridge |
| Finalize Co-Ownership Agreements & Parkway West land option expires | April 27, 2012 | |

16

Proposed MOU for Parkway to Albion to Maple



- Designed to let Union conduct an Open Season to secure market interest to Maple and interest on Dawn to Parkway to feed the new Parkway to Albion to Maple line
- Position Enbridge and Union as "working together as co-sponsors of a Parkway to Enbridge to Maple project" to exploit synergies of a combined project that would be co-owned by both parties in an unspecified manner.
- Enbridge would have exclusive access to Albion by way of ownership interest
- Ownership and project to be defined at conclusion of Open Season process, but we are proposing an undivided interest of 50/50 (on pipeline from Parkway to Albion to Maple and compression at Maple)
- Would be replaced with a definitive Co-ownership agreement
- Would mention current plans for capacity by Union and Enbridge

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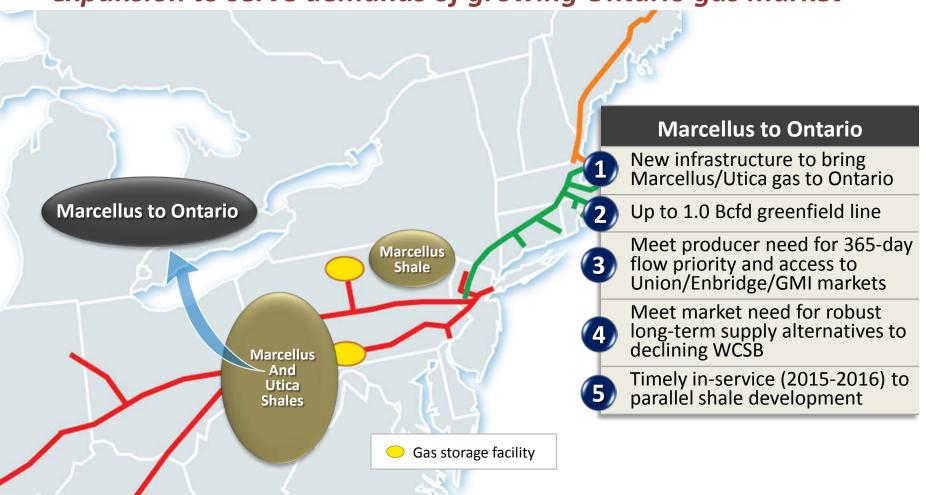
New Supply to Dawn

18 Confidential





Expanding shale supply provides basis for next infrastructure expansion to serve demands of growing Ontario gas market



Potential Shippers – Marcellus to Dawn



| | Shipper & Description | Potential* (TJ/d) | Timing |
|---|-------------------------------------------------------------------|----------------------|--------|
| 1 | Union – upstream system supply | 115 | 2015 |
| 2 | Union – diversify Dawn purchases (4 of 5 PJ/yr) | 10 | 2015 |
| 3 | Enbridge – diversify Dawn purchases (36 of ~40 to 50 PJ/yr) | 100 | |
| 4 | Gaz Métro – diversify Dawn Purchases (40 of ~70 PJ/yr) | 110 | |
| 5 | Marcellus Producers – serving new Dawn growth from Maple takeaway | 507 | |
| 6 | Marcellus Producers – replacing WCSB declines | ~150 | |
| | Total = | 977 | |

*= maximum potential quantity

- Union can shift expiring transport contracts and Dawn purchases upstream
- Enbridge purchases ~40 PJ in 2010 assumed to grow in 2011 and beyond target 100 TJ/d
- Gaz Métro assumed to buy 85% of 80 PJ of system supply at Dawn target 110 TJ/d
- 507 TJ/d is new demand at Dawn from Long haul to Short Haul from slide #15

With Debottlenecking of Parkway to Maple, there is significant new demand for gas at Dawn sufficient to support new upstream infrastructure





- Path to Ontario from Marcellus (SW and Central PA & WV) and Utica has not be established.
- Opportunity exists to match supply-push with market-pull
 - Producers (or marketers representing producers) could see Ontario as an attractive market as an alternative to moving gas through Appalachia
 - Dawn (as a potential landing point) is liquid with many buyers and sellers, including Ontario power generators, and supported by storage, take away capacity to growth markets and flexible services
 - Potential infrastructure to provide competitive delivery alternative to WCSB long-haul via TCPL
- Seasonal Flow
 - Winter supply may seek Dawn and other markets, such as Enbridge and GMI
 - Summer supply may seek storage at Dawn (Union and Tecumseh)

Drivers for Marcellus to Ontario will be both supply-push and market-pull

Marcellus to Ontario – Next Steps



- Conduct Market Outreach
 - Enbridge, Gaz Métro & Union sign non-binding MOU with expression of interest
 - Obtain broader market support
- Conduct Supplier Outreach
 - Leverage market support
 - Execute commercial agreements
- Conduct Open Season
 - Request for binding interest Q1 2012
- Implement Project
 - Project development can readily parallel shale supply development

Proposed MOU for Marcellus to Dawn



- Non-binding MOU to set framework to evaluate potential project
- Spectra proposing new "Greenfield" pipeline from Marcellus / Utica area of Ohio, Pennsylvania and West Virginia to Dawn
- In-service target is 2015 / 2016
- Benefits of project enhance Dawn liquidity, provide greater access to new supplies, which will benefit all gas users in ON, QC & US NE
- Customer interested in long term firm capacity as an "anchor shipper"
- Working Group Spectra, Union, Enbridge, Gaz Métro and any other Customers - will jointly evaluate and negotiate commercial aspects of participation in the project
- Exclusivity for 180 days to not frustrate the proposed project
- Confidential, except names of Working Group may be released
- Term of 180 days or until definitive agreements or as mutually agreed

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Next steps



- Wrap up Reliability Task Force team project
- Enbridge feedback on MOU and execution
- Review Open Season joint positioning

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Filed:2012-06-25 EB-2011-0210 J.B-1-7-8 Attachment 10

Reinforcing Ontario's Natural Gas Infrastructure

25 November 2011

Agenda



- The Big Picture
- Joint Task Team on Reliability conclusions
- Project Description
- Strategic Rationale
- Ownership Options
- Next Steps

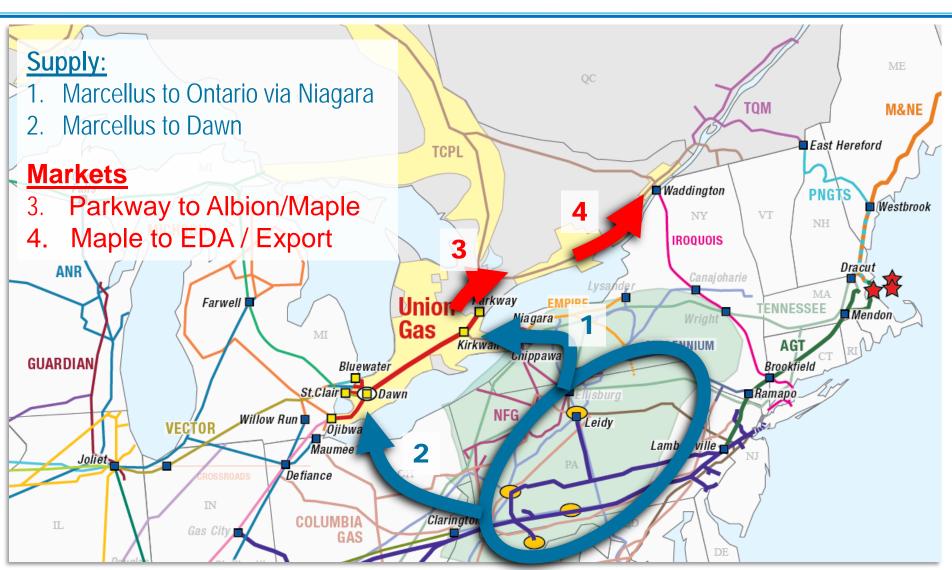
New Paths / New Infrastructure



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Potential Shippers - Downstream of Maple



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|---|------------------------------------------------------------------|----------------------|---------|
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There is significant market potential Downstream of Maple that could support new infrastructure

Potential Shippers - Marcellus to Ontario



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- 507 TJ/d is new demand at Dawn from Long haul to Short Haul from previous slide

With Debottlenecking of Parkway to Maple, there is significant new demand for gas at Dawn sufficient to support new upstream infrastructure

Joint Enbridge / Union Team



Team formed in July 2011 to

- Evaluate Security of Supply / Reliability of Union Gas
- 2. Determine best option to create a new feed to Enbridge

Enbridge Drivers include:

- Focus is on reliability of distribution system including:
 - Upstream supply
 - Diversity of entry points
 - Ability to takeaway from supply points
 - Flexibility during adverse system events

Union Drivers include:

- Repurpose Kirkwall turnback to Parkway
- Debottleneck Parkway
- Be a key part of a solution for Enbridge
- Increase supply into Dawn & enhance value of Dawn assets

Reliability Task Team Conclusions



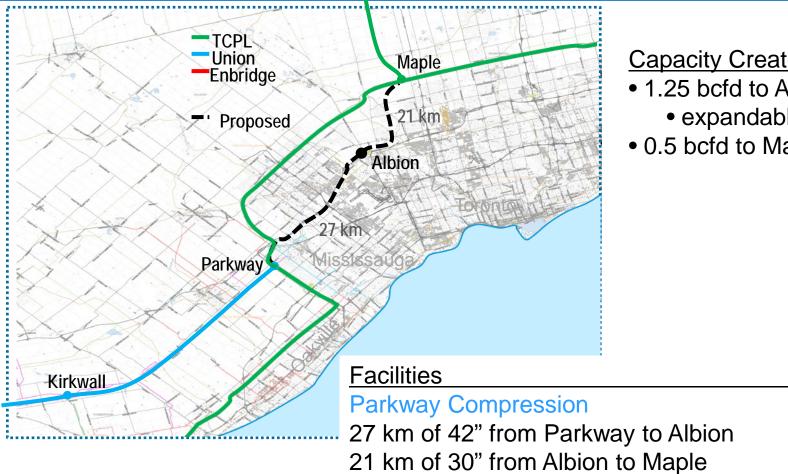
- 1. Loss of Critical Unit protection at Dawn, Lobo and Bright limits Enbridge exposure to multiple compressor unit failures at one or more compressor stations
- 2. With Parkway West in place:
 - Loss of Critical Unit protection is provided for existing Parkway compression
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 - Loss of Critical Unit protection is provided for compression required to support the Parkway to Maple Pipeline
- 3. 48" Brantford-Kirkwall looping provides needed upstream capacity for the GTA reinforcement project and enhances security of supply for Enbridge customers east of Parkway

Reinforcing supply to Enbridge through the Dawn-Parkway system provides significant security of supply benefits to Enbridge customers east of Parkway and will meet Enbridge's needs for a third feed into the GTA

Description of Projects



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Maple area compression

Capacity Created:

- 1.25 bcfd to Albion
 - expandable by 0.25 bcfd
- 0.5 bcfd to Maple

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Cost

\$183

\$185

\$112

\$99

Strategic Rationale: Parkway to Albion/Maple



- Gas flow is constrained downstream of Parkway on TCPL. A new Parkway to Albion/Maple
 pipe will open up supply options for natural gas users in Ontario (Enbridge & Union), Quebec
 (GMi) and the U.S. NE AND solves GTA reinforcement issue. Specifically a new pipeline will;
 - Allow customers in the GTA, Northern and Eastern Ontario and Quebec access to short haul transportation back to Dawn.
 - Allows increased upstream infrastructure to be supported and built. Potential exists for new supply paths into Ontario/Dawn.
 - Allows for the continued use and growth of the existing storage assets at Dawn and the upstream pipe infrastructure into Dawn. Supports both Union and Enbridge assets in the Dawn area.
 - Provide increased security of supply for all of Ontario, Quebec and the U.S. NE.
 - Provide an opportunity for all 3 utilities (Enbridge, Union, GMi) to support significant new infrastructure
- Provides a logical geographic area of common interest for Enbridge and Spectra to JV on a project
- Allows both companies to make synergistic infrastructure investments. Enbridge GTA reinforcement, Union Gas Parkway West/upstream pipe
- Project would provide shippers long term (10 year) toll certainty

Next Steps and Timing



- Come to a conclusion on ownership structure Nov 2011
- Formalize Union & Enbridge relationship (draft term sheet)
- Open Season to formally solicit market support Dec 2011??
 - Need support from Union-EDA, Union-NDA, GMi-EDA, Enbridge-EDA (need feedback from Enbridge on willingness to support Enbridge-EDA)
- Formalize Union & Enbridge relationship (final agreements)
- Execute Precedent Agreements and Contracts with shippers 1Q2012
- Union positions Parkway West to align with joint project
- Enbridge files GTA reinforcement project 2-3Q2012
- Enbridge and Union file Parkway to Maple project 2-3Q2012

EGD/Union Joint Task Force Meeting #2

Filed: 2012-06-25 EB-2011-0210 J.B-1-7-8 <u>Attachment 11</u>



August 2, 2011

Union Parkway /
Four Points Sheraton, Elmbank Room,
2501 Argentia Road, Mississauga, ON
(905-363-2448)

Agenda



- Confirm Concerns & Issues
- Existing Parkway Facilities
- Union System Reliability
- New Parkway West Options
- Next Steps

Enbridge Concerns



Distribution System

- Security of supply (3rd feed)
- System reliability
- Aging infrastructure and limited system flexibility

Upstream Supply

Mitigation of TCPL toll uncertainty, further diversification of supply

Meeting Future Demand Requirements

- Address customer attachments & urban densification growing peak hour/day demand
- Design day upgrade from 1 in 5yr probability to 1 in 10yr probability
- Additional requirements for Co-gens and NGVs

Union Concerns



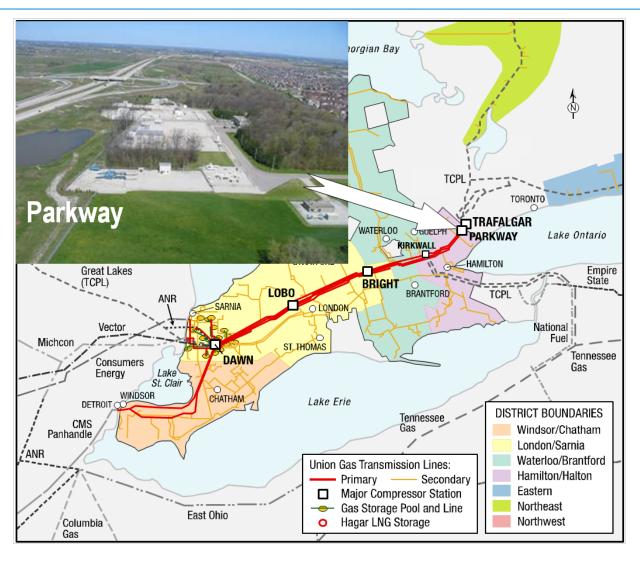
- Repurpose Dawn-Kirkwall turn back to Dawn-Parkway
 - Maximize use of the Dawn-Parkway system
- Debottleneck Parkway
 - Need for additional take away capacity east of Parkway
 - Constraint east of Parkway has significant impact on value of Dawn storage assets
- Third Feed for Enbridge
 - Be part of the solution for Enbridge third feed and system security
- Increase supply into Dawn
 - Access unconventional sources to replace declining WCSB



Existing Parkway Facilities

Parkway Compressor – 2 Units - 65,000 HP

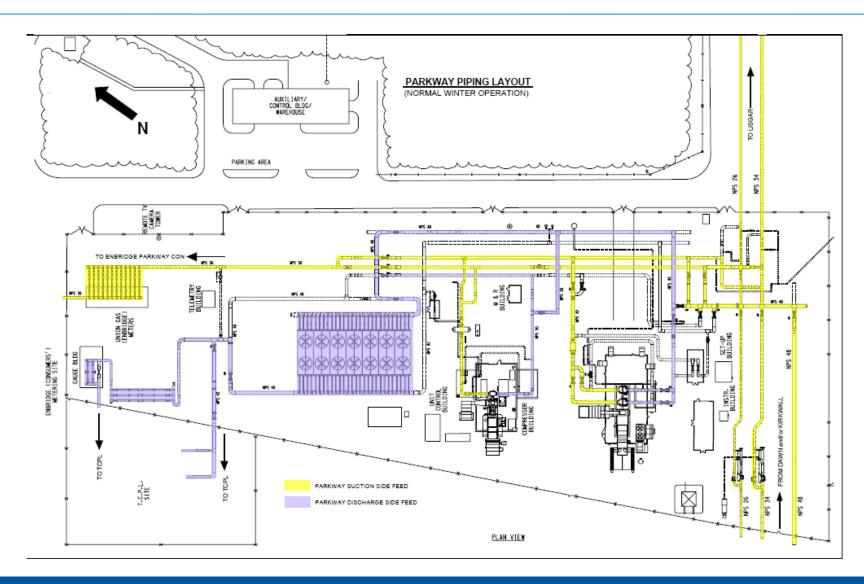




Existing Parkway Operation

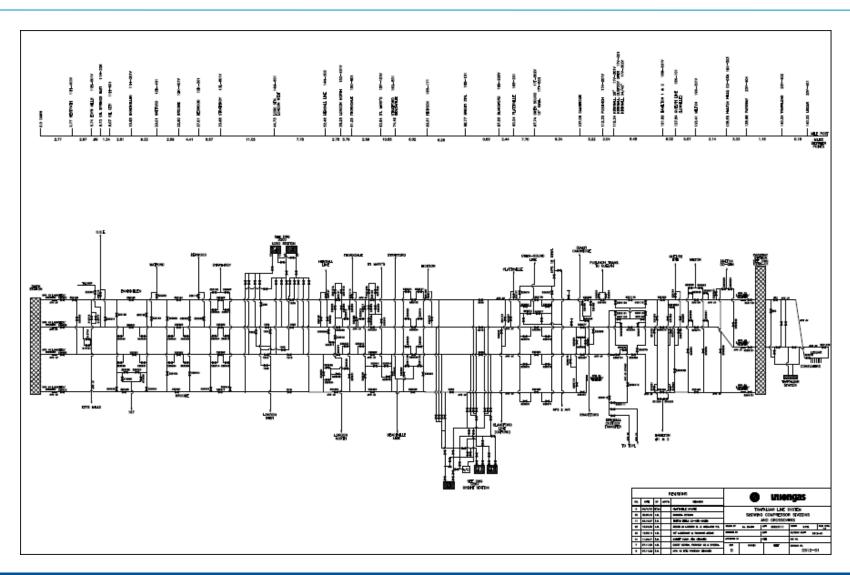


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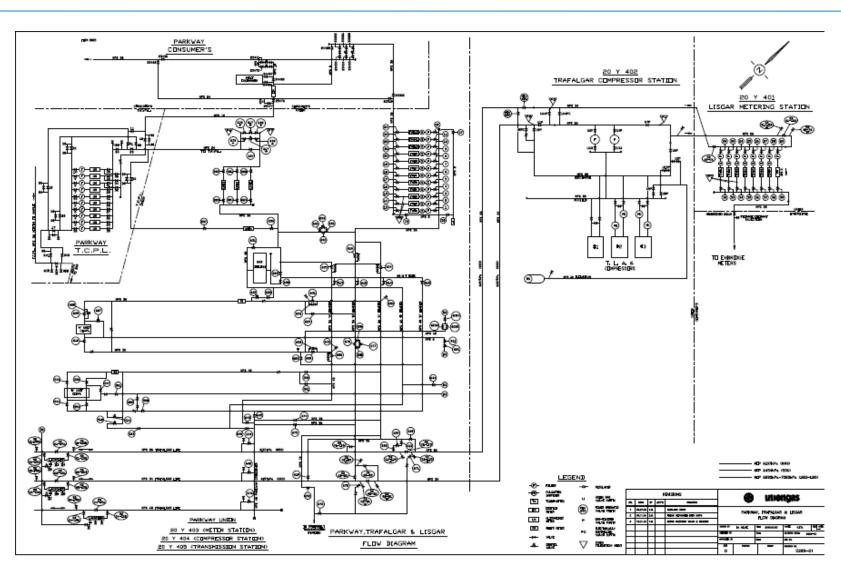
Dawn to Parkway System





Parkway to Lisgar System





EGD Utilization – Parkway (Cons)

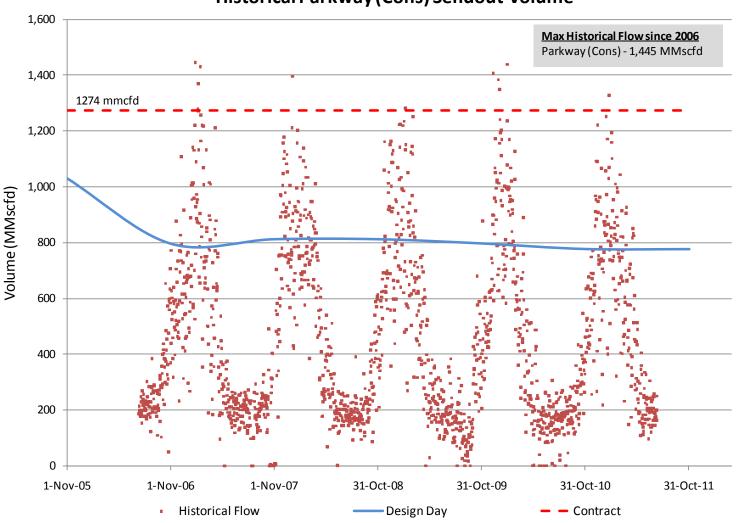


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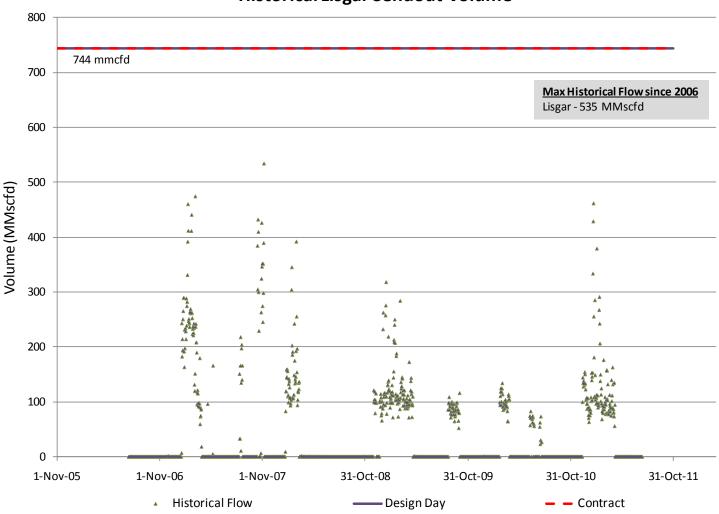
Historical Parkway (Cons) Sendout Volume



EGD Utilization - Lisgar







EGD Utilization – Parkway (Cons) + Lisgar

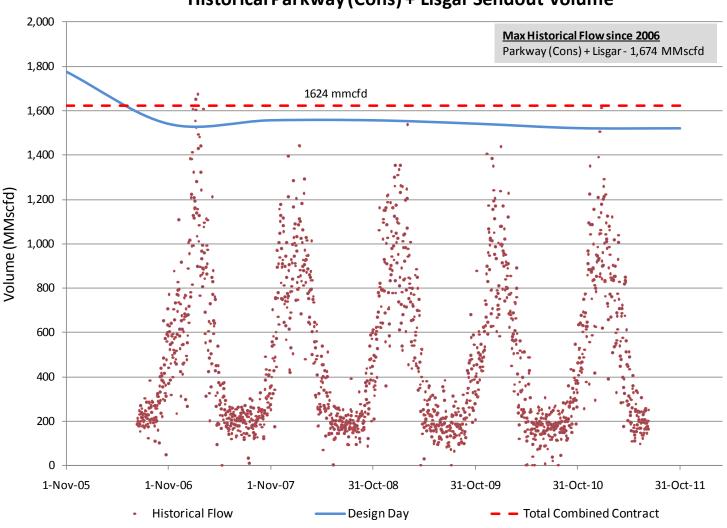


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Historical Parkway (Cons) + Lisgar Sendout Volume

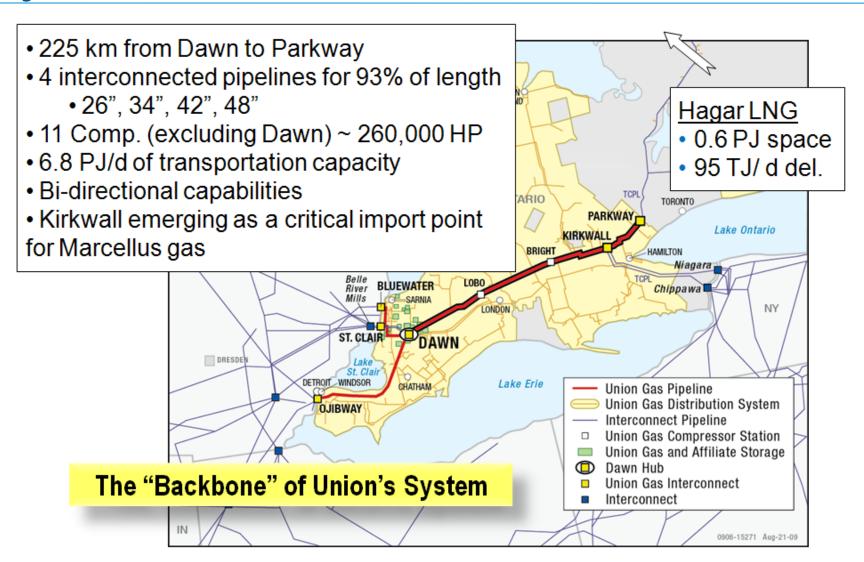




Union System Reliability

Dawn to Parkway Transmission System





Design of Dawn to Parkway System

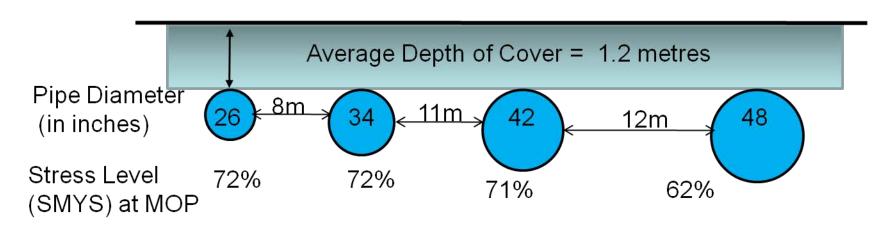


- 225 km from Dawn to Parkway;
 - 200 km Class 1 rural / farmland
 - 15 km Class 2 low density residential
 - 10 km Class 3 high density urban
 - 0 km Class 4 metropolitan high rise buildings
- In Class 3 areas, Union has purchased all private land along the pipeline
- Union has secured easement for next 48" expansion through Milton to Parkway
- 100% piggable by 2011
- 100% at or below 72% Specified Minimum Yield Strength (SMYS)

The majority of our system is located in rural areas and we are well positioned for future expansion

Typical Dawn to Parkway Pipeline Layout





- Spacing specifically designed to minimize the risk of interaction between pipelines in the event of a rupture
- Pipes are interconnected at valve nests every 15-20 km
- 24x7 system monitoring
- All mainline valves can be exercised remotely to quickly isolate any section and flow around a problem

Although line spacing varies, minimum spacing is adequate to ensure no interaction

Loss of Critical Unit (LCU) Horsepower



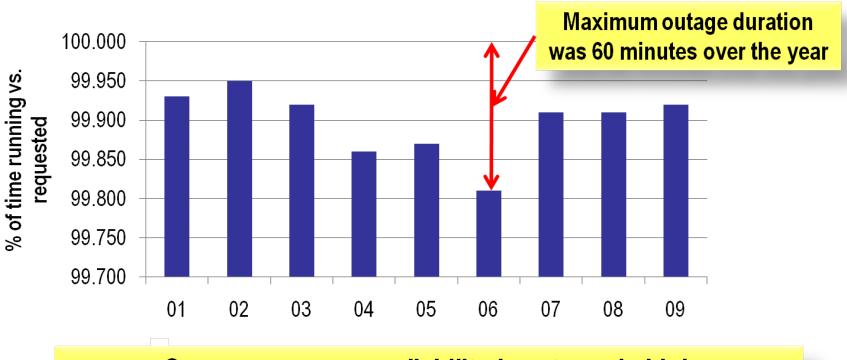
- Union has back up protection to account for unplanned compressor outages both at Dawn as well as for Lobo/Bright Transmission horsepower
 - Plant G (approx 39,000 HP) acts as a back-up for either Storage or Transmission at Dawn
 - Lobo and Bright
 - There are a total of 6 compressors between the 2 sites
 - Union only sells firm transport capacity based on the worst case of a compressor loss at one of these sites

Except for Parkway to TCPL, Union has Loss of Critical unit capability

Compressor Reliability



Compressor reliability indicates the percentage of time the compression fleet is available for operation



Our year over year reliability is extremely high

Integrity Management Programs



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- Three formal Integrity Management Programs (IMP) at Union Gas
 - Transmission Pipeline IMP started in 2002
 - Storage Downhole IMP since 2006
 - Distribution System IMP since 2008
- Developed Operations Management System (OMS) framework in 2008
- Technical Standards and Safety Authority (TSSA) audit of Pipeline IMP and Distribution System IMP in 2009
- National Energy Board (NEB) screening audit of Pipeline IMP (for NEB pipe) in 2009
- Joint annual Union Gas senior management Integrity Management reviews

We understand our risks and take action to mitigate them



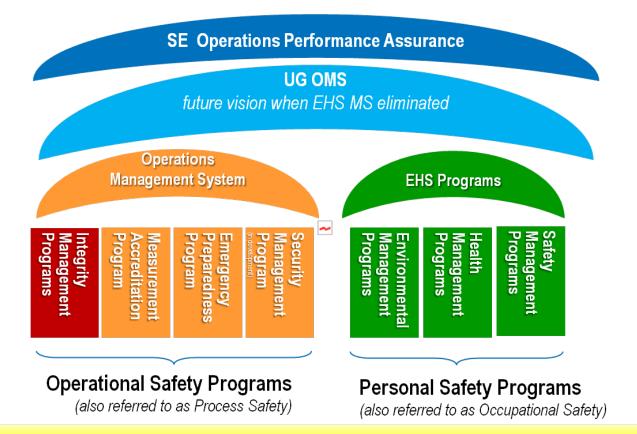
Operations Management System at SE / Union Gas



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This framework helps to ensure our systems are designed, built, operated, and maintained in a safe & reliable manner

Transmission Pipeline Integrity Management Program



Dawn to Parkway Profile

26" - 1957

34" - 1964 to 1971

42" - 1975 to 1990

48" - 1990 to Present

Integrity Management Program

- 2010 is year 9 of 12 year baseline assessment plan
- Have discovered & repaired 9 significant anomalies on Dawn Parkway system
- Make piggable 100% of lines will be piggable by 2011
- Average spend per year \$8MM capital and \$5MM O&M (over past 8 yrs)
- Depth of cover survey has revealed several shallow sections on NPS 26 which now have engineering controls in place. Remediation is underway.
- As urban sprawl encroaches the pipeline, Union performs upgrades to meet or exceed new Class requirements

The Integrity Management Program is robust and complete

Safe Operation of Our Systems



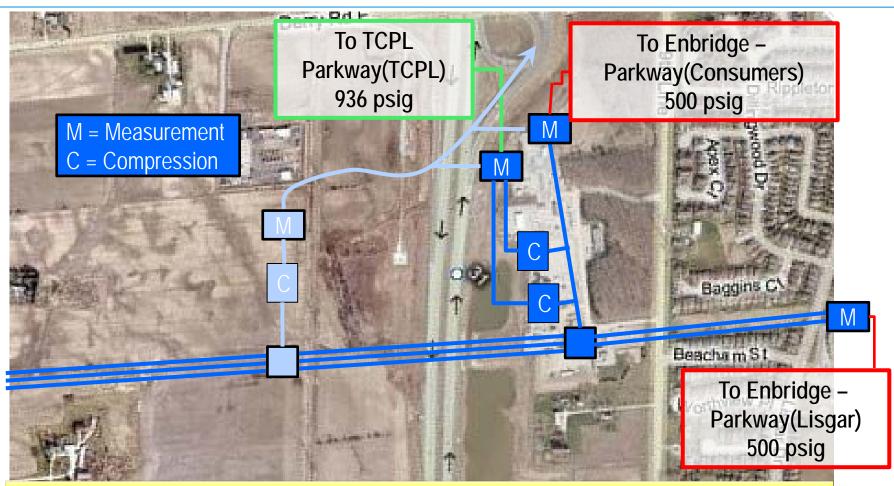
- Inspections, patrols and surveys to detect third party activity
 - Weekly flyovers during construction season
 - Annual leak survey (walk the line)
 - Annual Landowner Meetings & pipeline awareness handouts
- Corrosion protection monitoring
- Continuous remote monitoring of our system through the Supervisory Control and Data Acquisition (SCADA) system
- Comprehensive Geographic Information System (GIS) and other systems to manage asset records and data
- Annual Mock Emergency simulation

- Competent and well trained workforce
- Active participants in local emergency response organizations and other utility coordinating groups to prevent and respond to emergencies
- Provide maps and training to Emergency personnel – Emergency Planning Zones
- Public education to prevent damage and provide early warning of issues
- Immediate 24/7 response by highly trained personnel in the event of any emergency

There are a number of elements in place to help ensure our system operates safely

Parkway Interconnect to Enbridge and TCPL





Expanding east of Parkway to TCPL would require a new compressor that would help provide backup to the existing units

Union & Enbridge Operational Relationship



Daily, weekly, and seasonal assistance, whether it be for large construction, integrity construction and daily operations between Union and Enbridge's Tecumseh Storage Operations to ensure integrity and reliability of our respective systems. Some recent notable events (on Enbridge interests):

Enbridge Facilities/Construction

- 2009 Distribution Integrity work (utilizing either Parkway or Lisgar interconnects)
- 2009 Tecumseh Station modifications

Vector Facilities/upsets

• 2005 & 2006 – 6,000 gallons Diesel

Union Facilities/Construction

- Owen Sound Integrity Pigging (utilizing Grey County/Collingwood interconnect)
- Dawn Projects (most recent Fall 2010 modifications for Dawn-TCPL backhaul capability)
- New interconnect and Tecumseh Measurement mods (2008, 2009)

Union and Enbridge share a strong cooperative relationship

Union & TCPL Operational Assistance



Each independently continues to optimize their own system. The result is daily to weekly small shifts to "round out the peaks and valleys" of flows through mutual interconnects (Parkway, Dawn and Kirkwall) as well as assisting in larger construction projects and upsets on each respective system. Some notable events requiring assistance from the other include:

TCPL Facilities/Upsets

- 2002 TCPL Brookdale line break
- 2008 Parkway Meter Building gas leak
- 2009 Line breaks Sept & Oct Englehart
- 2010 NEB Ordered sections out of service

Union Facilities/Backup

- Dec 2003 Lobo A2 impeller damage
- Jan 2005 Dawn E Plant repair
- Summer 2007 Parkway B build

Union and TCPL assist each other to ensure customers are served

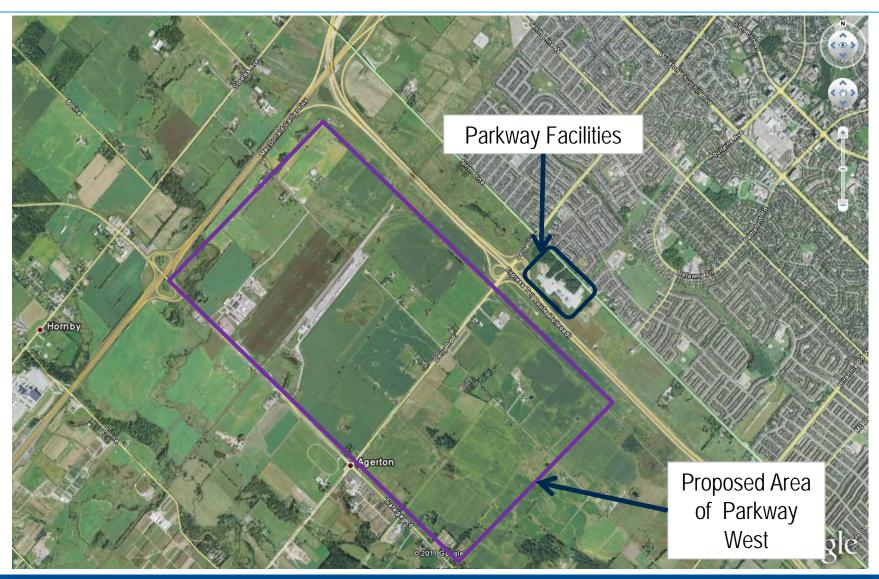


New Parkway West

Parkway West Target Area







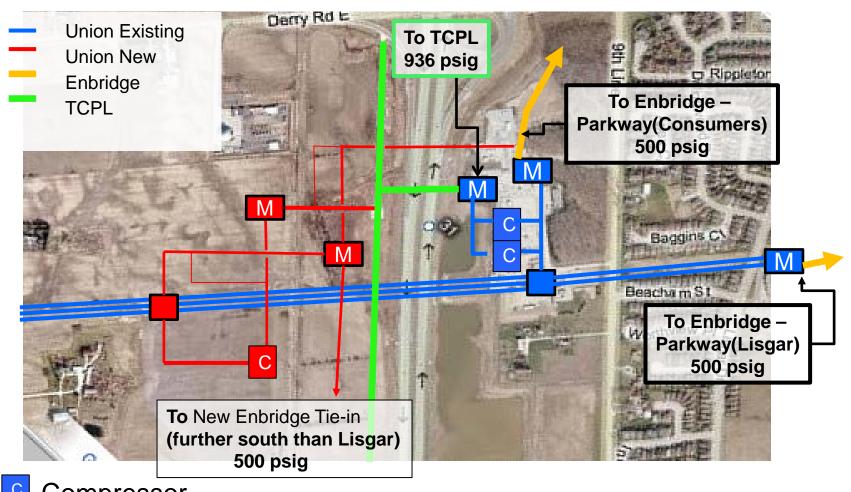
Parkway West Target Area





- Develop a new Parkway West Station:
 - Redundant metering and supply feed(s) for Parkway(Cons) market
 - Install 2 new 20,000 HP compressors to complete LCU for Parkway(TCPL)
 - Full emergency bypass piping would allow gas to be re-routed in the event of any single emergency
- \$220m of costs rolled into M12 rates
- Metering and bypass piping can be completed for 2013
- Loss of Critical unit can be completed for 2014





- Compressor
- Metering Stn

Strategic Considerations of Parkway West



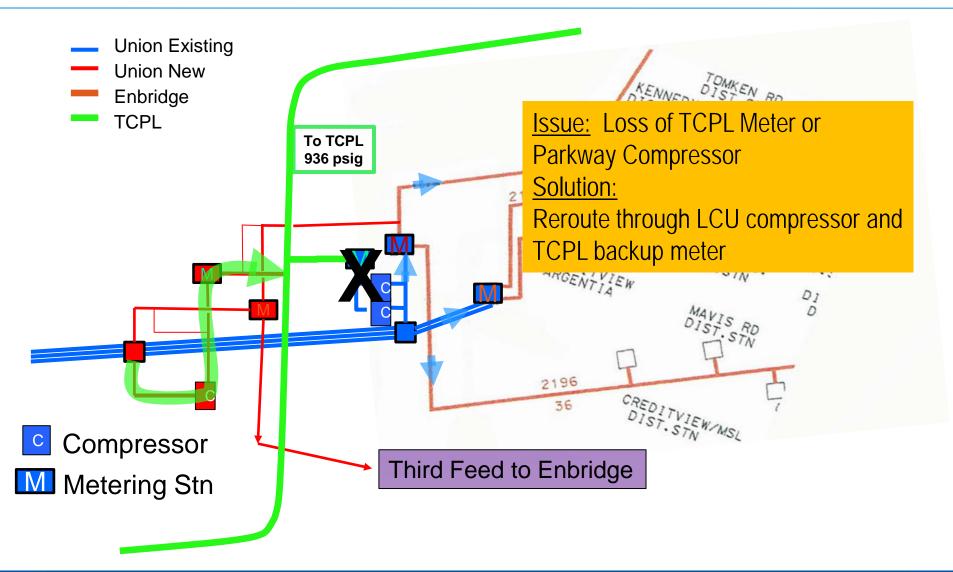
- Provides complete redundancy in case of an outage or incident
- Proposal utilizes available upstream capacity on TCPL (Niagara to Kirkwall) and Union (Dawn to Kirkwall)
- Expandable / Scalable along existing rights of way
- Incremental gas supply available from Dawn or Marcellus (Kirkwall)
- Easy access to Dawn storage
- Integrates with current & future flexibility of Parkway
- Synergies with other Enbridge assets Vector, Alliance, Tecumseh / Dawn storage

New Interconnection to Enbridge

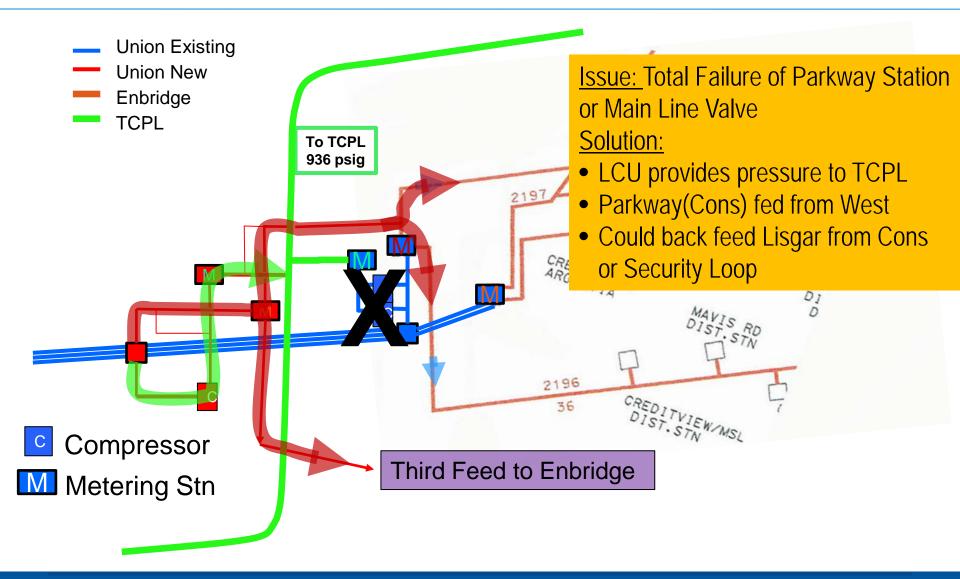


- Parkway West can provide a reliable 3rd new major feed to Enbridge
- Gas supply could come from Dawn and/or Kirkwall
 - Sized for between 0.4 bcf/d and 1 bcf/d (coverage for system reinforcement and possible backup for Parkway(Cons) or Lisgar capacity)
 - Enhances design redundancy at Parkway
 - Parkway (Cons) and Lisgar currently have excess interconnect capacity of 0.9 bcf/d
- Potential for a design that could have any two of the three Union feeds (including Lisgar, Parkway(Cons) and the new feed) meeting all Enbridge requirements

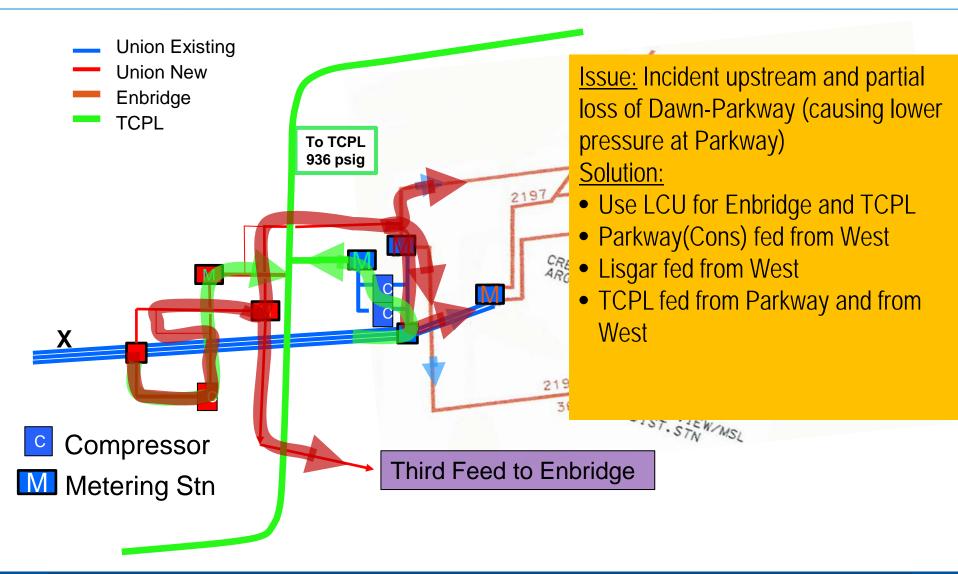












Next Steps



- Identify work specific SME groups can work together on
- Conference call set for August 9th
 - Opportunity to request follow up information in preparation for August 16th face-to-face meeting
 - Opportunity to identify specific items needing to be addressed at the August 16th face-to-face meeting
 - Can access which SME groups will be required at August 16th meeting?
- Face-to-face meeting set for August 16th
 - Address identified issues
 - Determine recommendations



Third feed into Toronto

Filed: 2012-06-25 EB-2011-0210 J.B-1-7-8 Attachment 12

Presented to Enbridge Gas Distribution

June 15th, 2011

Confidential



Agenda



- Executive Summary
- Summary from last meeting
- Enbridge Concerns
- Options Considered
- Recommendation
- Next Steps

Executive Summary

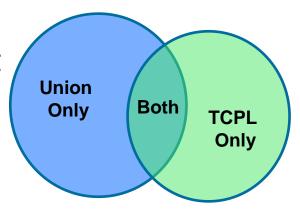


- Union evaluated two 3rd feed options a redundant Parkway West plant and a Bullet line from Kirkwall to the West Mall
- Union recommends that Parkway West, with the design redundancy and interconnect to the downtown security loop, is the best option to meet the needs of a 3rd feed
- Either Option can be combined with Parkway to Enbridge Victoria Square expansion
- A new Parkway West facility will provide:
 - Secure, safe supply from Dawn or Kirkwall to Enbridge's Security loop
 - A design that ensures continuous flow of gas even with critical elements of Parkway unavailable
 - Includes a new feed south that would have enough operating capacity to support Lisgar plus 400-500 TJ/d of new load
 - Provides synergies with Enbridge upstream assets of Alliance, Vector and Tecumseh storage
- Expected M12 toll to remain in historic range of 7 to 10 cents (to Parkway)

Summary of Last meeting - Nov 15, 2010



- Reviewed Enbridge's Peak Day requirements
- LCU coverage at Dawn, Bright / Lobo, but not Parkway(TCPL)
- Reliability of Union Pipe & compressors
- Union's Integrity Management Programs
- Safe and dependable Operational history
- New Parkway interconnect to Enbridge's Downtown reinforcement project
- Need to debottleneck Parkway to Maple



Union provides ~70% of Enbridge's peak day

Enbridge Peak Day Transport ~ 3,500 TJ/d

Enbridge Concerns



- Dependence on Union at Parkway (Enbridge can have 70% of their peak day demands supplied through Parkway via 3 existing feeds
- Concern about physical distance between major equipment at current Parkway station and potential impact during an incident
- No Loss of Critical Unit (LCU) coverage for compressed volumes to TCPL (Enbridge currently shipping 0.5 bcfd on this path)
- No redundant measurement
- Depending on incident, no bypass around Parkway

Enbridge views the solution as a 3rd new feed into Toronto

3rd feed options considered



Since Nov meeting, Union has looked at a number of alternatives. Would like to present 2 potential options:

- 1. Parkway West:
 - New plant would be west of the existing station and would include a new feed south to the downtown reinforcement project
 - 100% redundancy on all equipment and pipe at Parkway station
 - New plant becomes equivalent to a 3rd feed
- Bullet Line from Kirkwall to West Mall area to connect with downtown reinforcement project

In addition, also look at synergy with a new Pipeline from Parkway to Victoria Square in combination with #1 or #2 to provide a 4th feed

Union has options that can meet the Enbridge need

Option #1: Parkway West Proposal



- Upgrade existing metering to custody transfer level for TCPL
- Develop a new West Station, complete with:
 - redundant metering
 - Install 2 new 20,000 HP compressors to complete LCU
 - Full emergency bypass piping would allow gas to be re-routed in the event of any single emergency
- \$220m of costs rolled into M12 rates
- Metering and bypass piping completed for 2013; Loss of Critical unit in 2014

Location of Parkway West



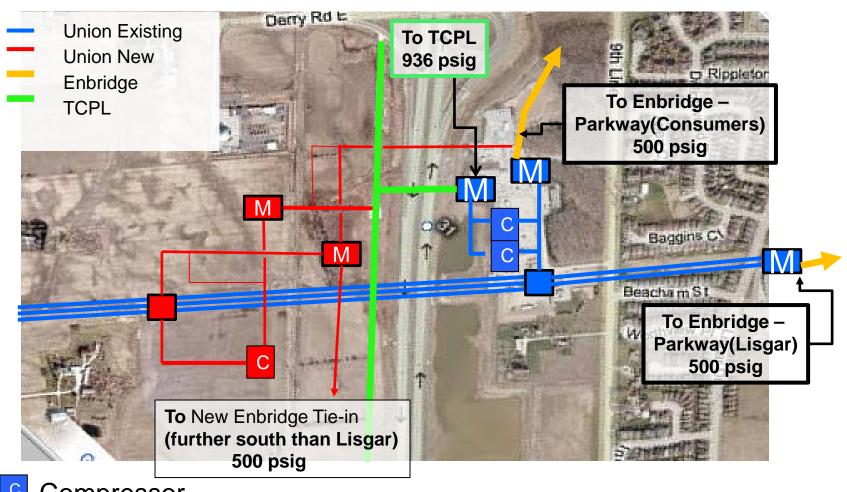
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100 YEARS

Est. 1911







- Compressor
- Metering Stn

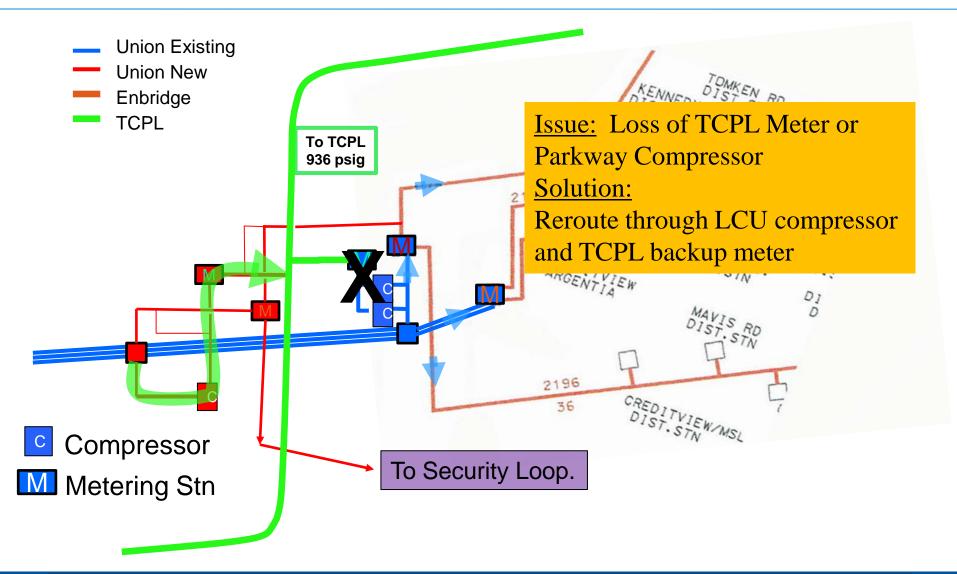
New Interconnection to Enbridge



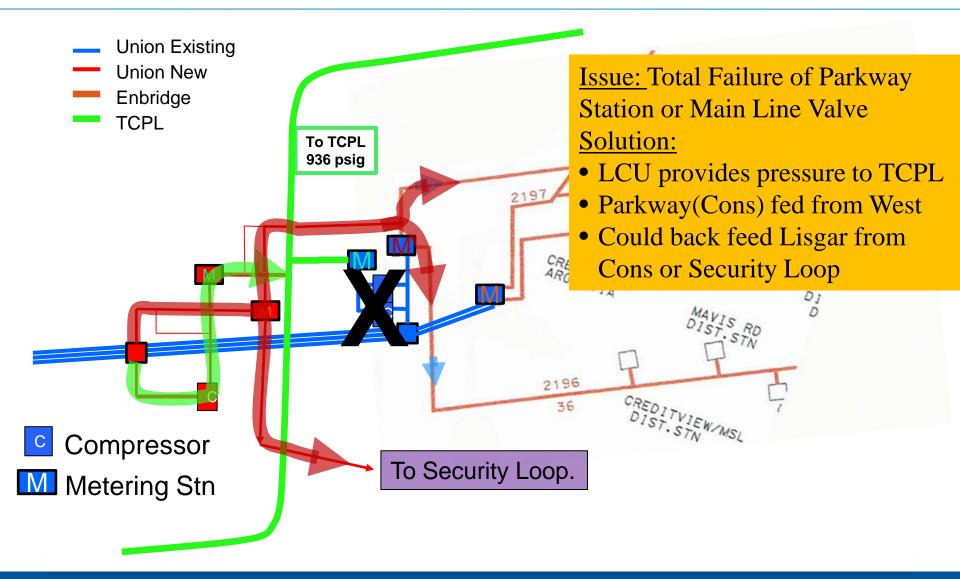
- Union proposing a 3rd new major feed to Enbridge from Parkway West station to the Enbridge Security Loop
- Could be supplied from Dawn and/or Kirkwall
 - Sized for between 0.4 bcf/d and 1 bcf/d (coverage for Security Loop and possible backup for Parkway(Cons) or Lisgar capacity)
 - Enhances design redundancy at Parkway
 - Parkway (Cons) and Lisgar currently have excess interconnect capacity of 0.9 bcf/d
- Potential for a design that could have any two of the three Union feeds (including Lisgar, Parkway(Cons) and the new feed) meeting all Enbridge requirements



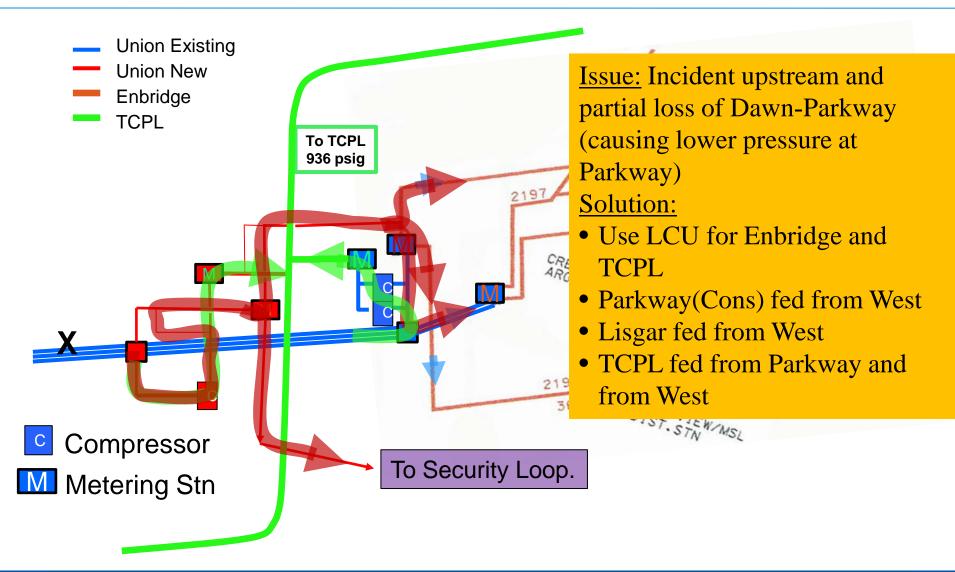
CELEBRATING 100 YEARS Est. 1911











Strategic Considerations of Parkway West



- Provides complete redundancy in case of an outage or incident
- Proposal utilizes available upstream capacity on TCPL (Niagara to Kirkwall) and Union (Dawn to Kirkwall)
- Expandable / Scalable along existing rights of way
- Incremental gas supply available from Dawn or Marcellus (Kirkwall)
- Easy access to Dawn storage
- Integrates with current & future flexibility of Parkway
- Synergies with other Enbridge assets Vector, Alliance, Tecumseh / Dawn storage

Option #2 Bullet Line from Kirkwall



- New pipeline from Kirkwall to West Mall / Etobicoke (south of Parkway)
- 75 km of 36" pipeline with 36,500 HP compression for 1 bcf/d
- Route assumed to follow Union's ROW from Kirkwall towards Parkway and then south, but **not** interconnecting with Parkway
- Designed to feed Enbridge's downtown reinforcement project
- Allows for dedicated independent feed, avoiding Parkway
- Estimated cost \$495 m (\$181 m just to Parkway)

Map of Kirkwall to West Mall







Strategic Considerations of Bullet Line



- Creates independent feed
- Utilizes excess TCPL Niagara/Chippawa to Kirkwall capacity
- Gas Supply from Dawn or Marcellus
- Access to Dawn storage
- Synergies with other Enbridge assets Vector,
 Alliance, Tecumseh / Dawn storage
- Issues:
 - Economics and structure
 - Reliant on a single pipeline vs 3 existing pipes

A 4th feed – synergistic with Option #1 & 2



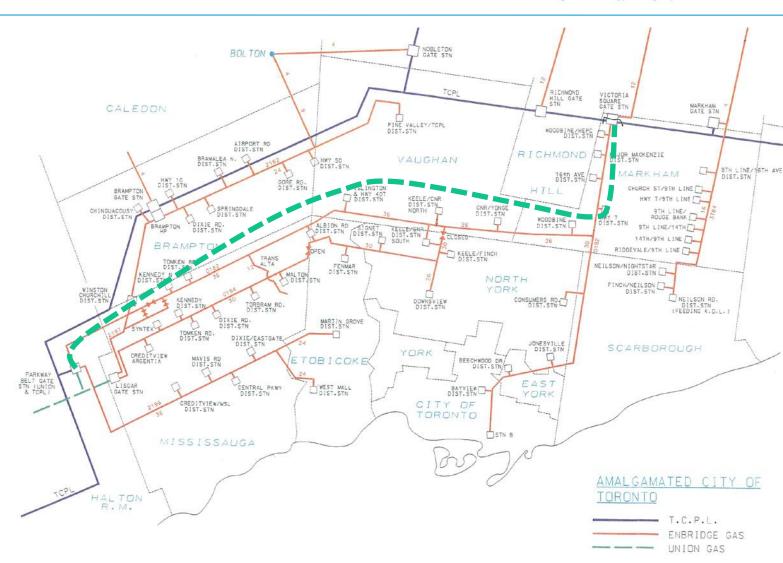
Parkway to Victoria Square / TCPL

- 55 km of 24" to 30" pipe from Parkway to Victoria Square and 40-60,000 HP of compression at Parkway providing 1 Bcf/d of new capacity for \$581m
- Provides new dedicated feed into the heart of the Greater Toronto Area
- Roll into M12 rates (Dawn to Victoria Square)
- Option to tie in at several Enbridge delivery points and reinforce key areas within GTA
- If combined with Enbridge reinforcement projects may provide additional security of supply

Parkway to Victoria Square



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Strategic Benefits of Parkway **(7)** to Victoria Square/TCPL





- Allows Dawn to Victoria Square or Kirkwall to Victoria Square without TCPL
- Creates a 4th feed into Greater Toronto Area
- Gas Supply from Dawn or Marcellus
- Access to Tecumseh / Dawn storage
- Integrate with current and future flexibility at Parkway
- Synergies with other Enbridge assets Vector, Alliance, Dawn storage
- Provides synergies with either Option 1 or 2

Conclusions



- Union evaluated two 3rd feed options a redundant Parkway West plant and a Bullet line from Kirkwall to the West Mall
- Union recommends that Parkway West, with the design redundancy and interconnect to the downtown security loop, is the best option to meet the needs of a 3rd feed
- Either Option can be combined with Parkway to Enbridge Victoria Square expansion
- A new Parkway West facility will provide:
 - Secure, safe supply from Dawn or Kirkwall to Enbridge's Security loop
 - A design that ensures continuous flow of gas even with critical elements of Parkway unavailable
 - Includes a new feed south that would have enough operating capacity to support Lisgar plus 400-500 TJ/d of new load
 - Provides synergies with Enbridge upstream assets of Alliance, Vector and Tecumseh storage
- Expected M12 toll to remain in historic range of 7 to 10 cents (to Parkway)

Next Steps



- Enbridge and Union should engage in a dialogue on options to explore synergies and market impacts
- Recommend a joint team from Union & Enbridge to discuss:
 - Parkway West and other options focus on flows, pressure, pipeline interconnections, capacities and strategic implications to both companies
 - Consider a joint sponsorship of a consultant study (ICF / Pira) to determine overall impacts / benefits of various alternatives
- Timing is critical
 - Both Union and Enbridge filing Phase II Incentive Regulation evidence
 - Path chosen will impact capital, costs and revenue for both companies
 - Competing market options

We want to work together to help implement an optimal solution



An Open Season for The Parkway Extension Project and the Dawn to Parkway System

Filed: 2012-06-25 EB-2011-0210 J.B-1-7-8

Attachment 13

Providing Access to Reliable, Diverse and Competitive Supplies







March 2012

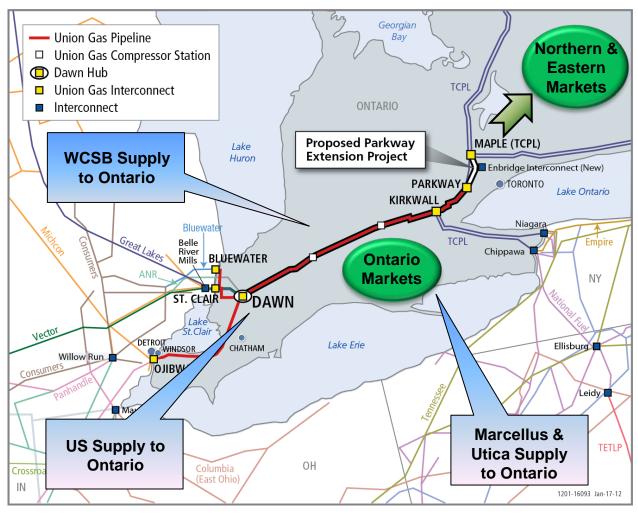
Agenda



- Description of Project
- Why the Parkway Extension Project is needed
 - Project Drivers
- The Parkway Extension Project Open Season
 - Services offered
 - Timing and Next Steps

The Parkway Extension Project

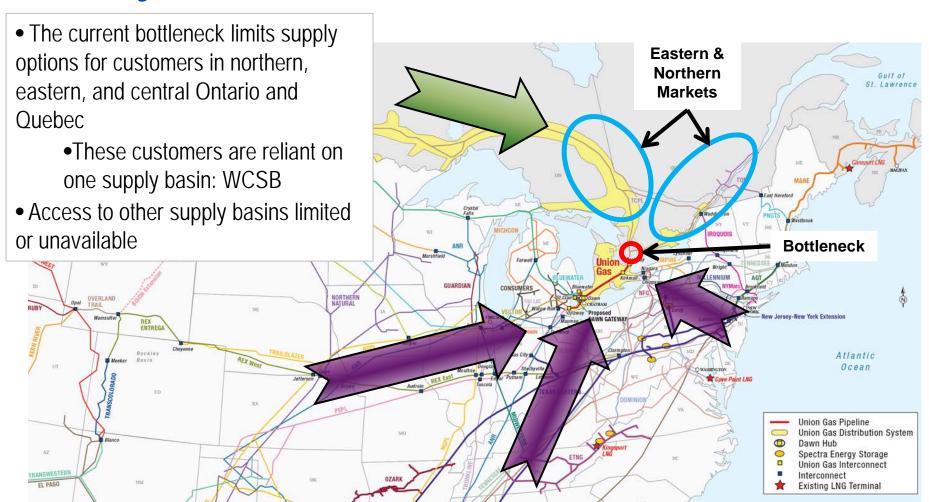




- A new pipeline using a separate path linking Parkway to the TCPL system near Maple
- Capacity of up to 700 TJ/day by 2015 available to Shippers with demands north and east of Parkway
- Efficiencies gained through partnering with Enbridge will
 - Lower overall cost
 - Reduce environmental and social impact
- Expansion of the Dawn to Parkway system will provide Shippers with access to diverse supply to meet capacity needs on the Parkway Extension Project

The Need for Parkway to Maple – Diversity

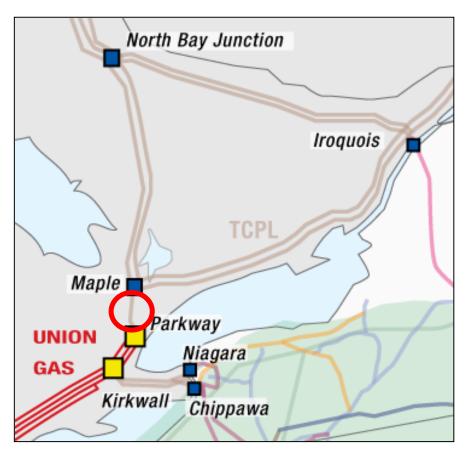




The Parkway Extension Project will provide much needed diversity to Ontario and Quebec

The Need for Parkway to Maple – Reliability and Security of Supply





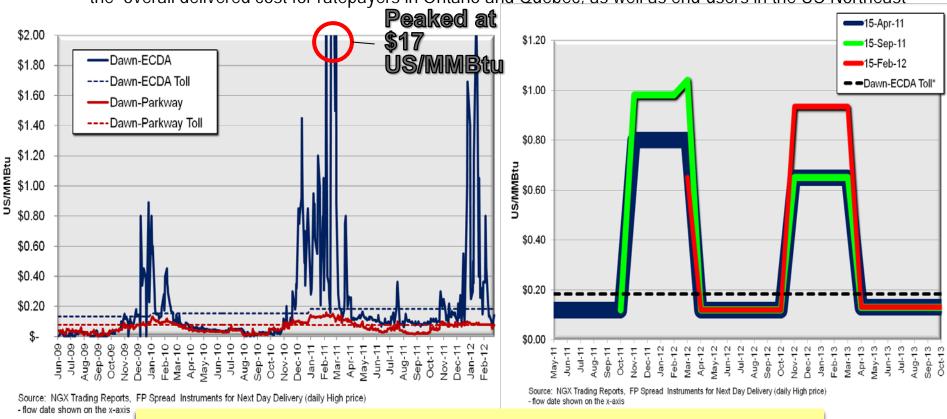
- Current pipe is mainly a 36" single line a single pipeline does not provide security of supply
- New demand from power generation in the Greater Toronto Area drives increased dependence on single pipeline
- Incident in northern Ontario in Feb 2011 highlights how sensitive the system can be
- •If a line break were to occur on this path without an alternative, the consequences for the natural gas industry would be devastating

The Parkway Extension Project will significantly improve the reliability and security of supply for Ontario and Quebec

The Need for Parkway to Maple - Affordability



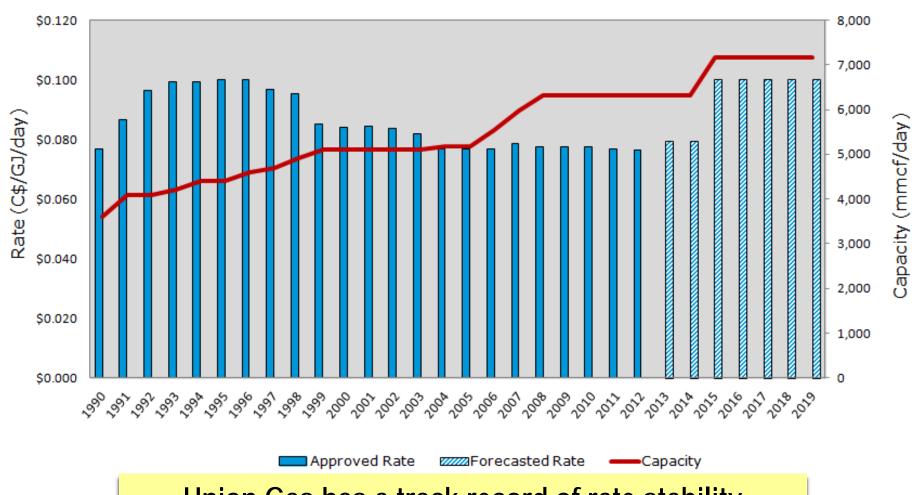
- The Cash and Forward markets reflect the current constraint between Parkway & Maple
 - The Project will help reduce price spikes and volatility at a competitive long-term rate and will reduce
 the overall delivered cost for ratepayers in Ontario and Quebec, as well as end-users in the US Northeast



The Parkway Extension Project will help make gas more affordable in northern & eastern Ontario and Quebec

History of M12 Transportation Toll Stability





Union Gas has a track record of rate stability
The M12 Dawn to Parkway rate has been in the \$0.07
to \$0.10 range for over 20 years

Getting from Maple to Eastern Markets – TCPL Tolls

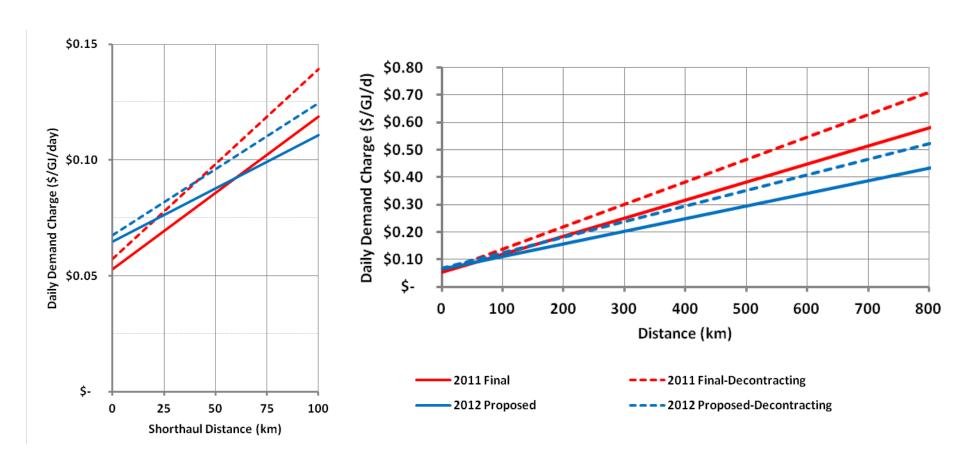


| (C\$/GJ/day) | 2011 Approved From Parkway | 2011 Calculated From Maple | 2012 Proposed From Parkway | 2012 Calculated From Maple |
|-----------------|-------------------------------|-------------------------------|-------------------------------|----------------------------------|
| To Enbridge-CDA | \$0.107 | ~\$0.074 | \$0.100 | ~\$0.078 |
| To Union-EDA | \$0.280 | ~\$0.247 | \$0.216 | ~\$0.191 |
| To Iroquois | \$0.354 | ~\$0.321 | \$0.262 | ~\$0.240 |
| To Gmi-EDA | \$0.498 | ~\$0.465 | \$0.331 | ~\$0.309 |
| To Cornwall | \$0.384 | ~\$0.351 | \$0.281 | ~\$0.259 |
| To Union-NDA | \$0.430 | ~\$0.397 | \$0.317 | ~\$0.289 |
| To KPUC | \$0.267 | ~\$0.234 | \$0.205 | ~\$0.183 |
| To Phillipsburg | \$0.505 | ~\$0.472 | \$0.360 | ~\$0.338 |

 TCPL Toll for Maple calculated using implied distance from Maple compressor station to delivery points.

Potential TCPL Rate Impact – Using Current TCPL Tolling Methodology





TCPL Tolling uncertainties are larger than the expected impact of conversion from long-haul to short-haul

The Need for Parkway to Maple - Affordability



| \$C/GJ/day | U-NDA | U-EDA | Enb-EDA | Enb-CDA | GMI-EDA | Iroquois |
|--------------------------|--------|--------|---------|---------|---------|----------|
| Empress Transport | \$1.74 | \$2.24 | \$2.24 | \$2.24 | \$2.24 | \$2.18 |
| Empress Supply | \$2.85 | \$2.85 | \$2.85 | \$2.85 | \$2.85 | \$2.85 |
| Empress Delivered | \$4.59 | \$5.09 | \$5.09 | \$5.09 | \$5.09 | \$5.03 |
| | | | | | | |
| Dawn Transport | \$0.49 | \$0.37 | \$0.42 | \$0.23 | \$0.52 | \$0.43 |
| Dawn Supply | \$3.75 | \$3.75 | \$3.75 | \$3.75 | \$3.75 | \$3.75 |
| Dawn Delivered | \$4.24 | \$4.12 | \$4.17 | \$3.98 | \$4.27 | \$4.18 |
| | | | | | | |
| Savings @ Dawn | \$0.34 | \$0.96 | \$0.91 | \$1.10 | \$0.82 | \$0.84 |

Notes:

- 100% Load Factor
- Empress Transport → 2012 Proposed Tolls
- Dawn Transport → 2012 Proposed Tolls (incl. De-contracting assumption) plus \$0.15/GJ/d Union Dawn to Maple toll
- Fuel excluded from analysis

The Parkway Extension Project will provide customers in northern & eastern Ontario and Quebec opportunities to lower their delivered gas cost

The Parkway Extension Project – Summary



- <u>Diversity</u> Provides diversity of natural gas supplies through access to multiple supply basins
- <u>Reliability</u> Provides security of supply and reliability through the construction of a new pipeline between points in the Greater Toronto Area currently served by a single pipeline
- <u>Affordability</u> Provides northern, eastern and central Ontario and Quebec consumers access to competitive natural gas supplies
- <u>Efficiency</u> Joint ownership provides significant benefits
 - Economies of scale reducing overall cost
 - Environmental and social benefits one pipeline through an urban environment reduces environmental footprint and impact to local residents
- <u>Economic Growth</u> Part of Union Gas plans that could see significant investment in natural gas infrastructure expansion in Ontario through 2016

The Parkway Extension Project provides the market with access to diverse, reliable, affordable clean energy

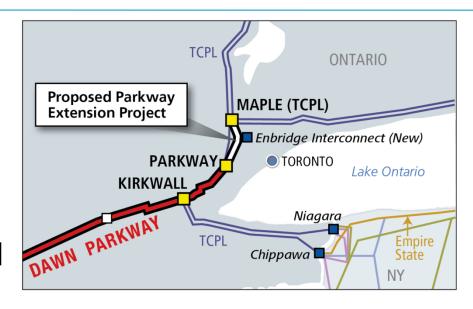


The Parkway Extension Project Open Season

Parkway Extension Project



- A new pipeline between a new interconnect near Union's Parkway Compressor station and the TCPL's transmission system near Maple, Ontario.
- 500 to 700 TJ/day of capacity offered under <u>Union</u> M12 Rate schedule – offering seamless transportation from Dawn, Kirkwall or Parkway to Maple
- Service to Maple start date of November 2015



- Pipeline will consist of two segments:
 - The first segment will be jointly owned by Union and Enbridge
 - The second segment will be wholly owned by Union

Providing Access to Reliable, Diverse and Competitive Supplies!

Transportation Service Details



- Minimum term of 15 years, with ongoing renewal rights
- Capacity Available from Dawn, Kirkwall, and/or Parkway

M12 Easterly Firm Transportation Rate, subject to OEB approval forecasted to

be:

| (C\$/GJ/day) | Delivery Point | | | |
|--------------|-----------------|---------------|--|--|
| Receipt | MAPLE | PARKWAY | | |
| DAWN | \$0.10 - \$0.15 | \$0.08-\$0.10 | | |
| KIRKWALL | \$0.05 - \$0.10 | \$0.01-\$0.02 | | |
| PARKWAY | \$0.02 - \$0.07 | N/A | | |

- Union proposes the costs and capacities be rolled into existing M12 rates. This
 will enable Union to offer a seemless service from the Dawn Hub to Maple
- Fuel is expected to be approximately 0.2% to 0.4% higher than the Dawn to Parkway fuel rate, subject to OEB approval
- Bids are binding, subject to several standard conditions precedent
- Shippers may include additional conditions precedent as part of their bid.

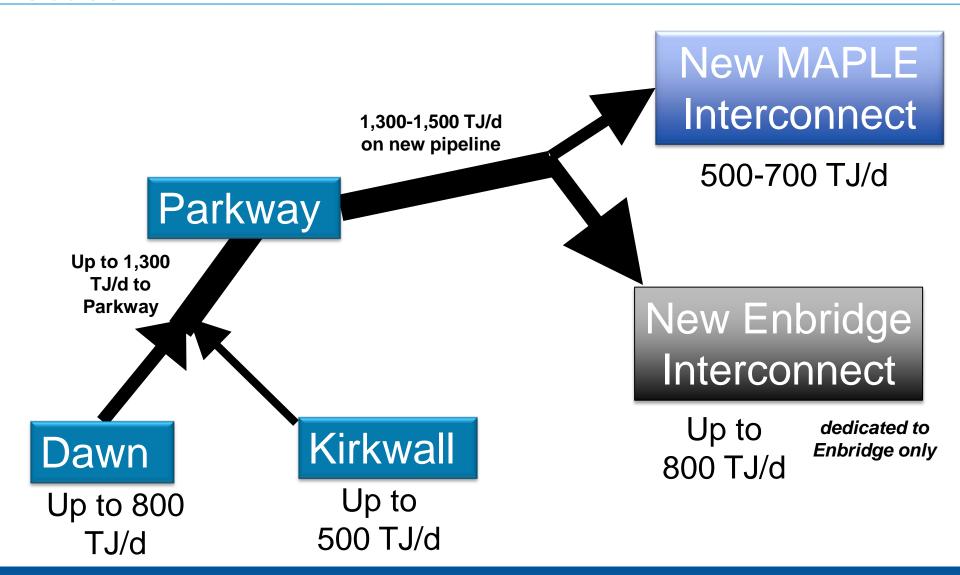
Other Services Available during the Open Season



- To provide capacity to the new pipeline, Union is also offering M12 transportation capacity from Dawn and Kirkwall to Parkway (and on to Maple)
- Up to 800 TJ/d of capacity is available from Dawn with up to 400 TJ/d starting in 2014 and the remaining 400 TJ/d in 2015
- Up to 500 TJ/d of capacity is available from Kirkwall with up to 300 TJ/d starting in 2014 and the remaining 200 TJ/d in 2015
- Firm Westerly service from Maple of up to 300 TJ/d to either Parkway or Dawn is also available commencing November 2015.
 - The westerly service is forecasted to have a demand charge of 25% to 35% of the Easterly rate for each path, subject to OEB approval

Capacity Available during the Open Season





Other Services Available during the Open Season



- Union is soliciting interest in a bi-directional, multi-Receipt and Delivery Point service modelled after Union's current M12-X service. If sufficient Shipper interest exists, Union will look to develop this new service.
- Union is also soliciting interest in firm all day F24-T service with additional nomination windows for the Parkway to Maple path. If sufficient Shipper interest exists, Union will look to develop this new service.
- Shippers may also express interest in a fixed price toll at a premium to the initial cost of service rate. There is a tick-box option on the bid form.

Union is soliciting interest in supplemental services in addition to traditional cost of service, point to point firm transportation service

M12-X Transportation Service



<u>Flexible</u> new service that provides significant enhancement to the existing M12 transportation service

- Firm, bi-directional, long-term transportation with renewal rights
- Service commencing November 1, 2012 (November 2015 earliest start date for a Maple service)
- Receipt and delivery at any M12 point (Dawn, Parkway and Kirkwall) (and eventually Maple)
- Regulated rate under C1 tariff
 - Demand charge rate = CDN \$2.877/GJ/month
 - Monthly fuel rate = see M12 Schedule 'C' with YCR true up
- Currently capacity is available starting November 2012



Six paths for the price of Two

- Dawn to Kirkwall
- Dawn to Parkway
- Kirkwall to Parkway
- Parkway to Dawn
- Kirkwall to Dawn
- Parkway to Kirkwall

Pay the easterly (Dawn to Parkway) + westerly (Parkway to Dawn) rate

Fixed Rate Solicitation of Interest



- Union is soliciting interest from Shippers interested in a fixed price toll at a premium to the initial cost of service rate.
- If Shippers express sufficient interest in this type of service, Union will determine
 a unique fixed price proposal that will balance shareholder risk and reward and
 bring that proposal forward to interested Shippers.
- If sufficient interest still remains, Union may seek OEB approval for any tariff changes required to convert the pricing from traditional cost of service to a fixed price.
- Shippers need to bid on, and be comfortable with, a 15 year term at Cost of Service rates
- In order to develop a proposal Union, will need to determine what facilities are required to meet requested capacity demands.
- Even with sufficient interest Union is unlikely to have a definitive proposal for consideration before O2 2013.

Conditions Precedent



- Bids are binding subject to several standard Conditions Precedent (CPs)
- M12 standard General Terms & Conditions CPs are:
 - Union's benefit
 - a) governmental, regulatory and other third party approvals to provide the Transportation Services; and,
 - b) internal approvals to provide the transportation Services; and
 - Union shall have received from Shipper the requisite financial assurances reasonably necessary to ensure Shipper's ability to honour the provisions of this Contract (the "Initial Financial Assurances"). The Initial Financial Assurances, if required, will be as determined solely by Union; and,
 - d) Shipper and Union shall have entered into the Interruptible HUB Service Contract
 - Shipper's benefit
 - Shipper shall, as required, have entered into the necessary contracts with Union and/or others to facilitate the Transportation Services contemplated herein, including contracts for upstream and downstream transportation, and shall specifically have an executed and valid Facilitating Agreement; and shall, as required, have entered into the necessary contracts to purchase the gas quantities handled under the Contract; and,
 - Shipper shall have obtained, in form and substance satisfactory to Shipper, and all conditions shall have been satisfied under, all governmental, regulatory and other third party approvals, consents, orders and authorizations, that are required from federal, state, or provincial authorities for the gas quantities handled under the Contract; and,
 - c. Shipper shall have obtained all internal approvals that are necessary or appropriate for the Shipper to execute the Contract.
- Date to meet or waive these conditions is May 25, 2012

Conditions Precedent continued...



- Shippers will also sign a Precedent Agreement (PA) with additional CPs
 - Union's benefit:
 - 1. Union shall have obtained, in form and substance satisfactory to Union, and all conditions shall have been satisfied under, all governmental, regulatory and other third party approvals, consents, orders, and authorizations that are required to:
 - construct and operate the Expansion Facilities; and
 - provide the Transportation Services,

under a regulatory framework satisfactory to Union, in its sole discretion;

- 1. Union shall have obtained all internal approvals that are necessary or appropriate to construct and operate the Expansion Facilities and provide the Transportation Services;
- 2. Union shall have completed and placed into service the Expansion Facilities;
- 3. Union, where applicable, shall have received from Shipper an executed Financial Backstopping Agreement, in form and substance reasonably acceptable to the Parties; and
- 4. Shipper shall have executed the Transportation Agreement.
- Shipper's benefit
 - Any stipulated by Shipper as part of their bid and are acceptable to Union
- Dates for waiving CPs in the PA and the specific wording of CPs for Shipper's benefit will be negotiated and may impact Shipper's exposure to potential costs under the Financial Backstopping Agreement.
- Proforma PA is posted online as part of the Open Season package

Financial Backstopping Agreement



- Shippers are required to financially backstop the specific expansion facilities their transportation service requires.
 - Only until Conditions Precedent are satisfied or waived
 - These facilities will be defined in each Precedent Agreement
- Once the Shipper and Union have satisfied the Conditions Precedent (with the exception of Union's Condition to place the facilities in service) the Financial Backstopping Agreement will Terminate
- If either the Shipper or Union fail to satisfy their Conditions Precedent, the Shipper will pay for their pro-rated share of the costs associated with the specific facilities identified in the Precedent Agreement.
- If Union cancels the project after all CPs have been met or waived by both Union and Shipper (except those relating to having the facilities in service), Union will pay the cancellation costs.

Preliminary Market Interest



- Union has received positive preliminary expressions of interest from a number of parties
- Enbridge and Union have signed a non-binding Memorandum of Understanding outlining the framework for joint ownership in the new pipeline and additional capacity on the Union system
- Gaz Métro and Union have signed a non-binding Memorandum of Understanding outlining additional capacity on the Dawn to Maple path
- Union will be examining potential opportunities to diversify the gas supply portfolio for Northern and Eastern Ontario utility customers

There is significant preliminary market interest in the Parkway Extension Project

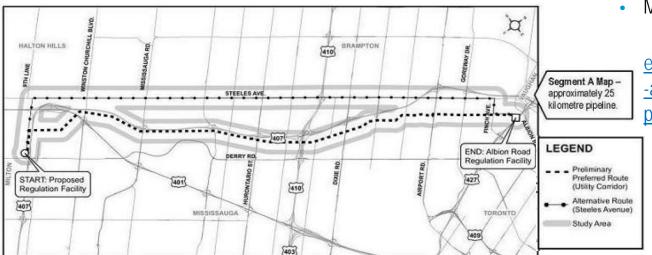


Synergies with Enbridge GTA Project

Enbridge GTA Project



- Enbridge project aims to "meet the demands of growth in the GTA and continue the safe and reliable delivery of natural gas to current and future customers."
- Enbridge is investigating options to upgrade the backbone of its existing distribution system
- Enbridge is in the process of undertaking and environmental assessment and route selection for a proposed 36" high pressure pipeline running from the Union Parkway compressor facility to a proposed regulation facility near Albion Road.



More information available at:

enbridgegas.com/about/pipeline
-and-constructionprojects/gtaproject.aspx

Enbridge System Reliability



- We anticipate Enbridge and their stakeholders will re-examine the system reliability issue given the new "material" infrastructure proposed
- Excerpt from Settlement Agreement

IV. MATERIAL CHANGE IN CIRCUMSTANCES

In the event of a change in circumstances that affects security of supply to Enbridge's franchise area and/or the Long Term Resolution in any material way ("Material Change"), Enbridge will review the implications of the change and, within a reasonable period of time after the change has become known, will report to the parties to this Settlement Agreement regarding the implications of the change on system reliability and/or the Long Term Resolution. For this purpose, a Material Change will include, but not be limited to, the following:

- construction of new facilities that increase the availability of short haul firm transportation service to Enbridge's franchise area
- a material change in the availability of TCPL discretionary services
- the conclusion from any future Board process that addresses matters relevant to Enbridge's system reliability.

Source: EB-2010-0231 Exhibit C, Tab 1 Schedule 1 Page 15 of 16

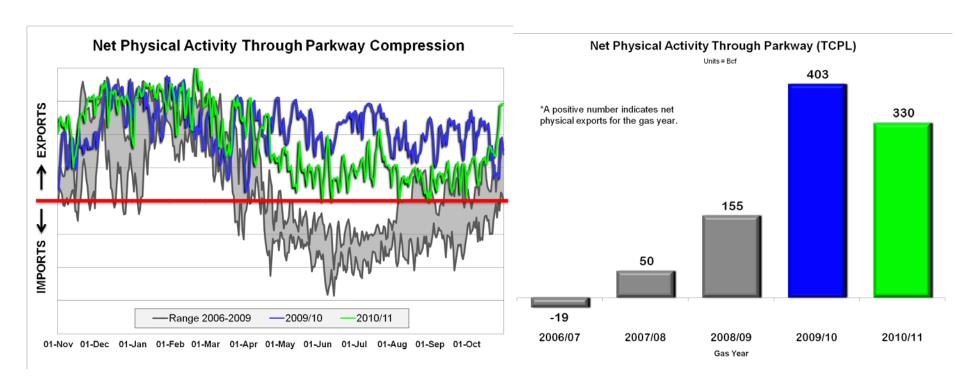


Parkway West

The need for Loss of Critical Unit protection at Parkway

Changing Operations at Parkway Driving the need for increased reliability





Activity through Union's interconnect with TCPL at Parkway has transitioned from a seasonal import-export point to a year-round export point, making compressor reliability at Parkway critical

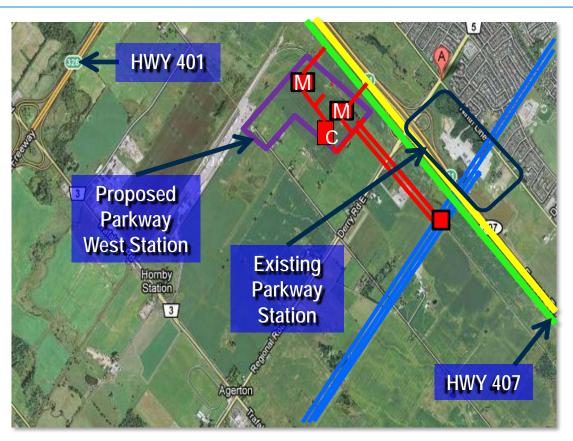
Parkway West



- Parkway Compression utilization has increased significantly since 2009 and shifted to year-round exports
 - Peak day exports increased from <0.5 Bcf/d in 2005 to 1.9 Bcf/d in 2011
 - Parkway is the only compressor station on the Dawn-Parkway system without full Loss of Critical Unit (LCU) protection
- Significant amount of peak day Greater Toronto Area (GTA) supplies flow through Parkway or are delivered at Parkway
 - 1.6 Bcf/d peak day delivered to Enbridge on suction side of Parkway
- Reliability project at Parkway that will provide:
 - Security of supply for markets east of Parkway, including the GTA
 - Operation and maintenance flexibility
 - Backup compressor at a new site

Parkway West





Proposed Parkway West Facilities:

- Valve site connection to the Dawn-Parkway system
- Header system to connect valve site to Parkway West station
- LCU compressor unit (47,000 HP), metering and TCPL interconnect
- Metering and Enbridge interconnection
- > \$220 million estimated capital cost
- Included in 2013 rate filing
- November 1, 2014 in-service



Parkway West enhances the reliability of deliveries for markets east of Parkway

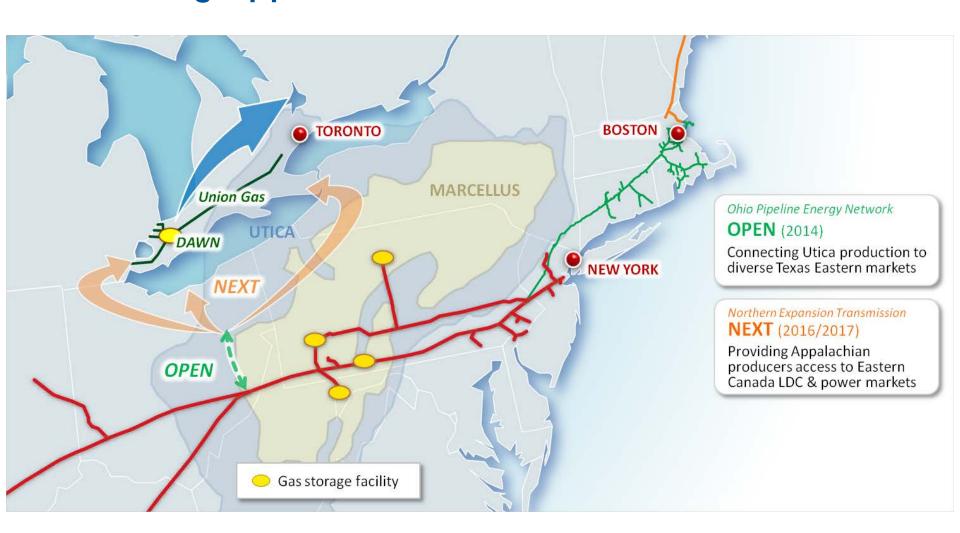


Northern Expansion Transmission (NEXT)

A Spectra Energy Project Bringing new supplies to Dawn

Northern Expansion Transmission (NEXT) Connecting Appalachian Gas to Ontario





NEXT Project – A Spectra Energy Project



- Pipeline connecting Utica and Marcellus production (plus other potential supply) directly to the Dawn Hub
- Significant natural gas production potential in close proximity to the Dawn Hub
- New supply that will support the liquidity and health of the Dawn Hub
- Will serve the growing markets of eastern Canada local distribution companies and power generators
- Opportunity for Marcellus and Utica production to be part of supply portfolio restructuring as a result of changing WCSB supply and transportation dynamics
 - Increases diversity and security of supply
 - Access to economic, competitive supply
- Supports the development of new infrastructure to serve growing natural gas demand in Ontario
- Targeting 2016 in-service

For more information regarding the NEXT project please contact:

Richard Terrazas

(713) 627-4604

RJTerrazas@spectraenergy.com

Timing and Next Steps



- Book follow-up meeting
- Draft Definitive Agreements with indicative bids for next meeting
- Binding bids are due 2:00pm Eastern Time April 25, 2012
- All bids will be acknowledged by 4:00pm ET on April 25, 2012
- Allocate capacity by April 30, 2012
- Successful bidders are expected to execute Contracts, Precedent Agreements and, if required, Financial Backstopping Agreements before May 25, 2012
- Full package available at: uniongas.com/openseason



APPENDIX

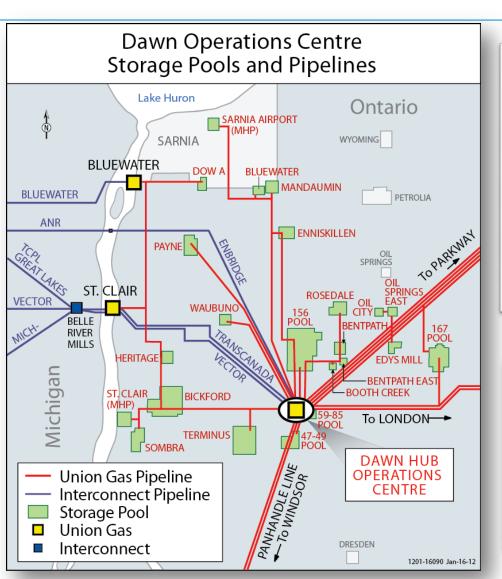


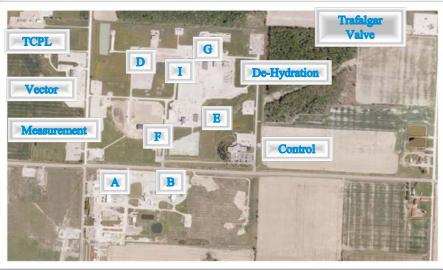
The Dawn Hub

Linking Diverse Supply Basins to Premium Markets

The Dawn Hub







One of North America's most liquid natural gas trading Hubs is located in Ontario

- 470 Acre Site
- 23 Union Gas Storage Pools
- 166 PJs of Storage Čapacity~500,000 HP of Compression

- >6.4 PJ Maximum Daily Output>100 Companies Contracted at Dawn
- ~11 PJ/d of Trading Activity per Day

The Dawn Hub



- Access to multiple supply basins from a full service Hub
- No need to pick a basin and live with it for years; buying at Dawn provides the benefit of pricing based on the lowest marginal cost basin.
- Liquidity, Transparency, availability of innovative services
 - One of the most liquid physical day markets in North America
 - Multiple options for price discovery Exchange traded (NGX) and deep over the counter markets
 - Union has a suite of innovative, world class, customizable storage and balancing services available to meet each customers' needs

- Flexible Term Options
 - Dawn is a Top-5 market for next day activity
 - Dawn is a Top-10 market for next month activity
 - Seasonal and yearly terms traded
- Multiple Pricing Mechanisms
 - Fixed Price (next day, monthly, seasonal, yearly)
 - NYMEX based
 - Daily Index (power generators)
 - Monthly Index (growing)

Customized Storage and Balancing Services



- Union's no cost HUB contract provides the foundation for all other contracts
 - Zero cost, zero obligation, zero hassles
 - Provides access to short term, interruptible balancing and transport services pay as you go at posted pricing
- Customized storage services are available
 - Firm injections and withdrawals in all months or just a select few
 - Interruptible injections and withdrawals in all months
 - Flexible term
 - Long-term and short-term
 - Annual, seasonal and month-to-month
 - Cycling charges or Fuel in Kind
 - No limit on interruptible daily withdrawal or injections
- Options are available for alternate delivery or receipt points (other than Dawn)
- Balancing services are available with the ability to loan as well as park

Easy to get started - Easy to customize

Examples of Storage Product Comparison LST vs. LTP vs. HDS





Market Price & Value to You Increases

LST – Long Term Storage

- Seasonal Storage
 - 90 Day Storage
 - IT available
- Ratchets
- Firm Injections/Withdrawals
 - 10 Months per year
- Interruptible
 - Injections Oct, Nov
 - Withdrawals April, May
- Demand Charge, Commodity and Fuel

LTP - Long Term Peak

- Seasonal / Peak Storage
 - 90 Day Storage Service
 - IT available higher reliability
- No Ratchets
- Firm Withdrawals
 - 10 Months per year
- Interruptible
- Withdrawals April May Injections – year round
- Demand Charge, No commodity & fuel, Cycling Fee after 1st cycle

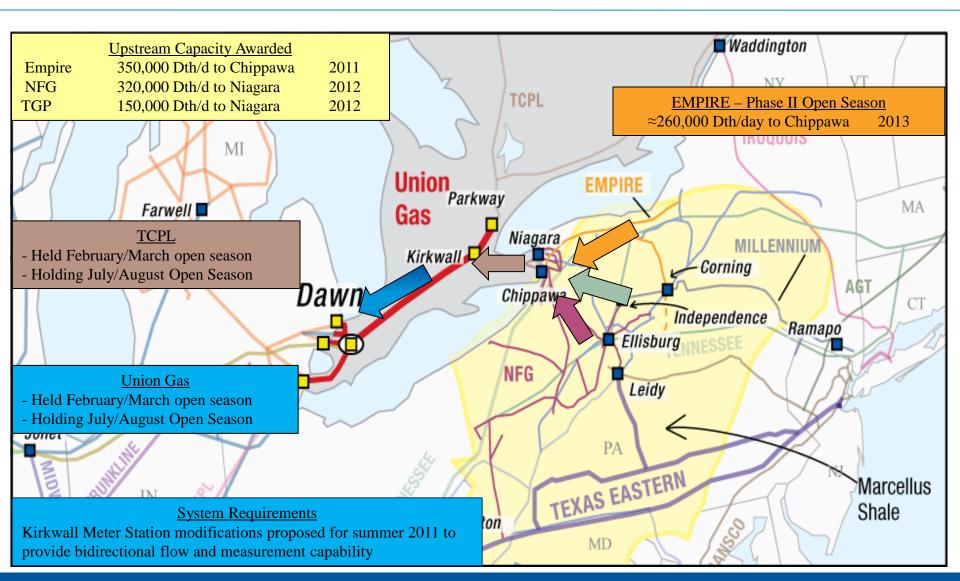
<u>HDS – High</u> <u>Deliverability</u>

- Peak Storage
 - 5 day to 20 dayStorage
 - IT available
- No Ratchets
- Firm Year Round –
 Injections and
 Withdrawals
- Demand Charge, Commodity and Fuel

IS THERE A PRODUCT YOU WOULD LIKE TO SEE?

Getting Gas to Ontario & the Dawn Hub





The Benefits of Contracting with Union Gas



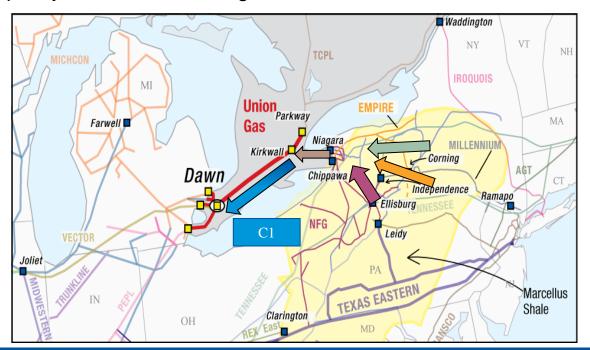
- Union offers:
 - Long-Term toll stability at competitive rates
 - The M12 Dawn to Parkway rate has ranged between \$0.07 and \$0.10 per GJ over the past 10 years and has not experienced the same volatility as rates on many other pipelines
 - Reliability
 - Investment in pipeline integrity and history of safe operations
 - Loss of Critical Unit coverage on Dawn to Parkway system (Parkway West proposal will add further LCU coverage to eastern end of system)
 - Flexibility and Optionality
 - Union has track record of responding to customer needs examples include M12-X multi-directional transport service, Upstream and Downstream Pipeline Balancing services, and firm-all day F-24 transportation and storage services.
 - Access to the Dawn Hub, North America's largest integrated underground natural gas storage facility, and Union's suite of fully customizable storage and transmission services

Union Gas is actively working to attract new gas supply to Dawn

C1 Transportation- Kirkwall to Dawn



- Point-to-point service between Kirkwall and Dawn
 - Firm transportation
 - Service commencing November 1, 2012
 - Regulated Rate: M12 Dawn to Parkway + M12 Parkway to Dawn
 - Demand charge rate = CDN \$1.176/GJ/month
 - Seasonal fuel rate = see C1 Rate Schedule 'C'
 - Currently capacity is available starting November 2012



Transparency – All available online



- Indices for both storage and transportation customer data are posted online
- Daily operational available transportation capacity posted for all paths
- A Traffic Light provides indicative to customers about the likelihood of interruptible transportation cuts on a given day
 - An subscription service is available to notify Shippers of any changes to the traffic light
- Semi-annual Storage Report outlining storage contract pricing
- Storage design capacity and monthly storage inventory
- Standard contracts and other agreements all available online

Capacity Releases (Assignment of Capacity)



- Union Gas provides Shippers the flexibility to transfer transportation and/or storage capacity to a third party
- Union Gas uses a standard Assignment Agreement signed by all three parties (Shipper, 3rd party taking the capacity or "release", Union)
 - Available online at uniongas.com
- Assignments can be temporary or permanent
- Length of assignment determined by Shipper can be as short as one month
- Flexible options regarding who pays the Union invoice during the term of the assignment for both demand and variable charges
- Assignments handled "Over the Counter" no electronic bulletin board

Union Gas at a Glance



Distribution

Retail Customers: 1.4 million

Annual Throughput: 526 PJ

Distribution Pipe: 62,711 km

Transmission

Annual Throughput: 880 PJ

Transmission Pipe: 4,743 km

Ontario,

Markets Served: Quebec, US

Northeast

Dawn Storage

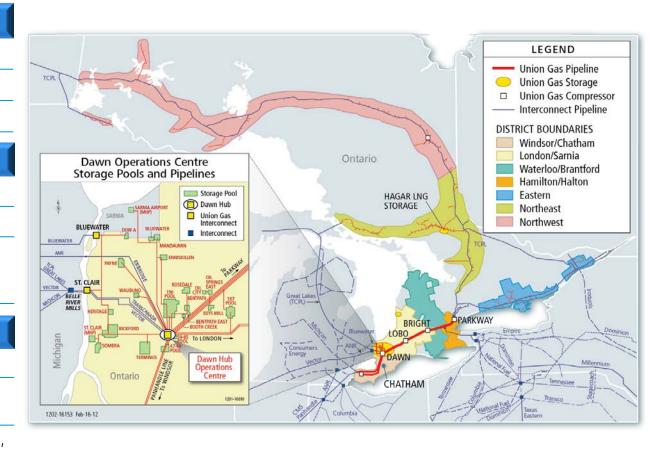
Storage: 166 PJ

Underground 23

Facilities:

Ontario, Quebec, Markets Served:

Marketers



What does the Parkway to Maple Expansion do for me?



| Local Distribution Companies | End-Users | Producers |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Access to diversity of supply through the Dawn Hub and Kirkwall Increased security of supply Lower overall cost of landed of gas for end-use consumption | Lower overall cost of landed of gas for end-use consumption Growth in Natural Gas fired power generation is good for Ontarians through a lower overall generation cost and reduced SO₂ & NOx emissions (cleaner burning fuel) Reliability Security of supply Affordability to sustain your business operations | Growth in Natural Gas fired power generation is expected to keep Ontario demand growing Access to one of the most liquid natural gas trading hubs in North America Access to Premium Market Spectra's Marcellus to Dawn project will provide direct access to the Dawn hub and storage as well as a robust downstream demand center (GTA) Diversity in Portfolio |

For Your Business Needs - Contact Us



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|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
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Represents Design Day Winter Conditions and Drawing D266-01 (12.05.07)

24

12

12

12

12

12

12

6157

6157

6157

6157

6157

6157

| Location | Meter | Capacity (units) | | | | | |
|-------------------------------|--------------|------------------|-------|------------------|---------------------|-----------|---------------------------------------------|
| Union Lisgar | TM # 1 | | 251.4 | ALL | | | |
| | TM # 2 | | 251.4 | AAT230's | | | |
| | TM # 3 | | 251.4 | | | | |
| | TM # 4 | | | @ 550 psi | | | |
| | TM # 5 | | 251.4 | | | | |
| | TM # 6 | | 251.4 | | | | |
| | TM # 7 | | 251.4 | | | | |
| | Roots Meter | Nil | 201 | equalizing | | | |
| | | | | | | | |
| Union Parkway Cons | TM # 1 | | 251.4 | | | | |
| | TM # 2 | | | ALL | | | |
| | TM # 3 | | | AAT230's | | | |
| | TM # 4 | | 251.4 | | | | |
| | TM # 5 | | | @550 psi | | | |
| | TM # 6 | | 251.4 | | | | |
| | TM # 7 | | 251.4 | | | | |
| | TM # 8 | | 251.4 | | | | |
| | TM # 9 | | 251.4 | | | | |
| | TM # 10 | | 251.4 | | | | |
| | TM # 11 | | 251.4 | | | | |
| | TM # 12 | | 251.4 | | | | |
| Union TCPL | UM # 1 | | | | | | |
| cmon rerz | UM # 2 | | | | | | |
| | UM # 3 | | | | | | |
| | UM # 4 | | | | | | |
| | | | | | | | |
| Pipeline MOP | | | | | | | |
| Dipolina | Мор | | | | | | |
| Pipeline | - | | | | | | |
| NDS 26 Trofolger Line | (kPag) | 57 | | | | | |
| NPS 26 Trafalgar Line | 61 | | | | | | |
| NPS 34 Trafalgar Line | 61 | | | | | | |
| NPS 48 Trafalgar Line | 61 | 31 | | | | | |
| Parkway Compressor Station | 68 | 95 Yard piping | | Limited to 644 | 7 kPa due to the MA | OP of TCP | I nining |
| Lisgar Metering Station | 61 | | | `B` header is 61 | | or or rer | L piping. |
| Parkway Cons Metering Station | 61 | | | D neader is of | 37 kpu 1111101 | | |
| Tankway Constituting Station | 01 | | | | | | |
| Valve Number | Nominal Size | e MOP | | Position (o/c) | Regulator (y/n) | Remot | te Operation from Dawn Gas Control (yes/no) |
| | | | | | | | |
| 1 | | 12 | 6157 | | O | N | N |
| 2 | | 12 | 6157 | | O | N | N |
| 3 | | 12 | 6157 | | O | N | N |
| 4 | | 12 | 6157 | | O | N | N |
| 5 | | 12 | 6157 | | O | N | N |
| 6 | | 12 | 6157 | | O | N | N |
| 7 | | 12 | 6157 | | 0 | N | N |
| 8 | | 12 | 6157 | | 0 | N | N |
| 9 | | 12 | 6157 | | O | N | N |
| 10 | | 12 | 6157 | | 0 | N | N |
| 11 | | 12 | 6157 | | 0 | N | N |
| 12 | | 12 | 6157 | | 0 | N | N |
| 13 | | 12 | 6157 | | 0 | N | N |
| 14 | | 12 | 6157 | | 0 | N | N |
| 15 | | 12 | 6157 | | 0 | N | N |
| 16 | | 12 | 6157 | | O | N | N |
| 17 | | 12 | 6157 | | 0 | N | N |
| 18 | | 12 | 6157 | | O | N | N |
| 19 | | 12 | 6157 | | O | N | N |
| 20 | | 12 | 6157 | | O | N | N |
| 21 | | 12 | 6157 | | 0 | N | N |

N N N N Y

N Y

N N

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O

C

| 24 | 12 | 6157 | O | N | Y |
|-----|----|------|---|--------|--------|
| 25 | 12 | 6157 | O | N | Y |
| 26 | 12 | 6157 | O | N | Y |
| 27 | 12 | 6157 | O | N | Y |
| 28 | 12 | 6157 | o | N | Y |
| 29 | 12 | 6157 | o | N | Y |
| | | | | | |
| 32 | 12 | 6157 | 0 | N | Y |
| 33 | 12 | 6157 | O | N | Y |
| 34 | 12 | 6157 | O | N | Y |
| 35 | 12 | 6157 | O | N | Y |
| 36 | 12 | 6157 | O | N | Y |
| 37 | 12 | 6157 | O | N | Y |
| 38 | 12 | 6157 | O | N | Y |
| 39 | 12 | 6157 | O | N | Y |
| 57 | 2 | 6157 | C | N | N |
| 58 | 2 | 6157 | C | N | N |
| 70 | 2 | 6157 | C | N | N |
| 220 | 20 | 6895 | o | N | N |
| | | | | | |
| 221 | 20 | 6895 | 0 | N | N |
| 222 | 20 | 6895 | O | N | N |
| 223 | 20 | 6895 | O | N | N |
| 224 | 20 | 6895 | O | N | N |
| 225 | 20 | 6895 | O | N | N |
| 230 | 42 | 6895 | O | N | N |
| 233 | 30 | 6895 | C | N | N |
| 234 | 4 | 6895 | C | N | N |
| 235 | 4 | 6895 | C | N | N |
| 236 | 4 | 6895 | Č | N | N |
| 237 | 42 | 6895 | o | N | N |
| 500 | 42 | 6895 | o | N | N |
| | | | | | |
| 501 | 42 | 6895 | 0 | N | N |
| 502 | 42 | 6895 | 0 | N | N |
| 512 | 24 | 6895 | O | Y | N |
| 513 | 30 | 6895 | О | N | N |
| 514 | 24 | 6895 | O | Y | N |
| 520 | 8 | 6895 | C | N | N |
| 540 | 42 | 6895 | O | N | N |
| 544 | 36 | 6895 | C | N | N |
| 547 | 36 | 6895 | О | N | N |
| 550 | 42 | 6895 | C | N | N |
| 554 | 36 | 6895 | O | N | N |
| 601 | 30 | 6895 | O | N | N |
| 602 | 30 | 6895 | Č | N | N |
| 604 | 36 | 6895 | o | N | N |
| 605 | 36 | 6895 | C | N | N |
| | | | C | | |
| 606 | 36 | 6895 | | N | N |
| 607 | 16 | 6895 | 0 | Y | N |
| 608 | 3 | 6895 | О | Y | N |
| 609 | 30 | 6895 | О | N | N |
| 610 | 30 | 6895 | О | N | N |
| 611 | 6 | 6895 | 0 | N | N |
| 612 | 36 | 6895 | C | N | N |
| 613 | 36 | 6895 | C | N | N |
| 614 | 36 | 6895 | C | N | N |
| 615 | 42 | 6895 | O | N | N |
| 616 | 36 | 6895 | О | N | N |
| 618 | 36 | 6895 | O | N | Y |
| 619 | 36 | 6895 | 0 | N | Y |
| 622 | 8 | 6895 | C | Y | Y |
| 623 | 30 | 6895 | o | N | N |
| 624 | 36 | 6895 | Ö | N | N |
| | 42 | | C | | |
| 629 | | 6895 | | N | N |
| 630 | 42 | 6895 | O | N | N |
| 631 | 42 | 6895 | O | N | N |
| 632 | 12 | 6895 | O | Y | N |
| 633 | 16 | 6895 | O | N | N |
| 636 | 16 | 6895 | C | N | N |
| 637 | 20 | 6895 | O | N | N |
| 640 | 42 | 6895 | O | N | N |
| 641 | 42 | 6895 | О | N | Y |
| 642 | 30 | 6895 | O | N | Y |
| 643 | 26 | 6895 | Ö | N | Y |
| 644 | 6 | 6895 | C | N | N |
| 645 | 42 | 6895 | C | N | N |
| 646 | 42 | 6895 | C | N | N |
| | | 6895 | | | |
| 649 | 6 | | C | N N | N N |
| 650 | 6 | 6895 | С | N | N |
| 651 | 2 | 6895 | C | N | N |
| | | | | | |

| 652 | 12 | 6895 | C | N | N |
|-------------------------|----|------|---|--------|---|
| 652 | 2 | 6895 | C | N | N |
| 660 | 16 | 6895 | C | N | Y |
| 671 | 12 | 6895 | O | N | N |
| 672 | 12 | 6895 | C | N | N |
| 673 | 12 | 6895 | 0 | N | N |
| 674 | 36 | 6895 | 0 | N | N |
| 675 | 36 | 6895 | O | N | N |
| 677 | 4 | 6895 | C | N | N |
| 678 | 36 | 6157 | 0 | N | N |
| 680 | 12 | 6895 | C | N | N |
| 681 | 6 | 6895 | C | N | N |
| 52-01-115 | 26 | 6157 | O | N | Y |
| 52-01-115A | 12 | 6157 | C | N | N |
| 52-01-115B | 12 | 6157 | C | N | N |
| 52-01-116 | 36 | 6157 | O | N | Y |
| 52-01-122 | 24 | 6157 | 0 | N | N |
| 52-01-122A | 6 | 6157 | 0 | N | N |
| 52-01-150 | 26 | 6157 | C | N | N |
| 52-01-150A | 10 | 6157 | C | N | N |
| 52-01-151 | 26 | 6157 | 0 | N | N |
| 52-01-151B | 6 | 6157 | C | N | Y |
| 52-01-151B 52-01-152 | 8 | 6157 | C | N | N |
| 52-01-152 | 34 | 6157 | C | N | N |
| 52-02-150 52-02-150A | 10 | 6157 | C | N | N |
| 52-02-150A 52-02-151 | 34 | 6157 | 0 | N | Y |
| 52-02-151B | 6 | 6157 | C | N | N |
| 52-02-151B 52-02-152 | 10 | 6157 | C | N N | N |
| 52-02-76 | 30 | 6157 | 0 | N N | Y |
| | | | | | |
| 52-02-76B | 6 | 6157 | 0 | N | N |
| 52-02-81 | 34 | 6157 | 0 | N | Y |
| 52-02-81A | 12 | 6157 | С | N | N |
| 52-02-81B | 12 | 6157 | C | N | N |
| 52-02-82 | 30 | 6157 | 0 | N | Y |
| 52-02-83 | 36 | 6157 | 0 | N | Y |
| 52-02-83A | 12 | 6157 | C | N | N |
| 52-04-150 | 48 | 6157 | C | N | N |
| 52-04-150A | 12 | 6157 | C | N | N |
| 52-04-151 | 48 | 6157 | 0 | N | Y |
| 52-04-152 | 16 | 6157 | C | N | N |
| 617A | 16 | 6895 | O | Y | N |
| 617B | 16 | 6895 | O | N | N |
| 630A | 12 | 6895 | O | N | N |
| 630B | 12 | 6895 | O | N | N |
| 638A | 16 | 6895 | O | Y | N |
| 638B | 16 | 6895 | O | N | N |
| 653A | 4 | 6895 | C | N | N |
| 653B | 4 | 6895 | C | N | N |
| 670A | 16 | 6895 | 0 | N | N |
| 670B | 16 | 6895 | 0 | N | N |
| L-2011 | 20 | 6157 | 0 | N | Y |
| | | | | | |

J.B-1-7-21

| | | Deliveries | | Receipts | | Reported in | |
|------------|-----------|---------------|-----------|----------|--------------|--------------|------------|
| Date | Firm | Interruptible | Total | Total | Net activity | response (a) | Difference |
| 01/11/2009 | 784,855 | 134,131 | 918,986 | 424,026 | 494,960 | 374,305 | 120,655 |
| 02/11/2009 | 879,848 | 195,308 | 1,075,156 | 404,766 | 670,390 | 560,582 | 109,808 |
| 03/11/2009 | 967,881 | 135,744 | 1,103,625 | 250,767 | 852,858 | 867,256 | (14,398) |
| 04/11/2009 | 1,017,639 | 173,441 | 1,191,080 | 296,411 | 894,669 | 1,044,374 | (149,705) |
| 05/11/2009 | 1,259,170 | 139,197 | 1,398,367 | 226,681 | 1,171,686 | 1,034,040 | 137,646 |
| 06/11/2009 | 1,236,161 | 166,097 | 1,402,258 | 228,608 | 1,173,650 | 1,040,416 | 133,234 |
| 07/11/2009 | 845,605 | 106,153 | 951,758 | 419,294 | 532,464 | 606,962 | (74,498) |
| 08/11/2009 | 848,370 | 106,153 | 954,523 | 407,283 | 547,240 | 496,167 | 51,073 |
| 09/11/2009 | 883,991 | 106,153 | 990,144 | 390,248 | 599,896 | 512,440 | 87,456 |
| 10/11/2009 | 1,026,372 | 147,958 | 1,174,330 | 258,196 | 916,134 | 849,000 | 67,134 |
| 11/11/2009 | 1,251,429 | 106,058 | 1,357,487 | 266,721 | 1,090,766 | 976,205 | 114,561 |
| 12/11/2009 | 1,086,565 | 112,930 | 1,199,495 | 222,524 | 976,971 | 940,820 | 36,151 |
| 13/11/2009 | 1,039,512 | 130,472 | 1,169,984 | 331,511 | 838,473 | 770,349 | 68,124 |
| 14/11/2009 | 808,780 | 111,712 | 920,492 | 418,841 | 501,651 | 472,929 | 28,722 |
| 15/11/2009 | 818,129 | 111,712 | 929,841 | 421,630 | 508,211 | 529,728 | (21,517) |
| 16/11/2009 | 1,138,451 | 130,712 | 1,269,163 | 332,879 | 936,284 | 941,215 | (4,931) |
| 17/11/2009 | 1,349,758 | 106,085 | 1,455,843 | 246,685 | 1,209,158 | 1,097,288 | 111,870 |
| 18/11/2009 | 962,516 | 106,062 | 1,068,578 | 261,185 | 807,393 | 830,969 | (23,576) |
| 19/11/2009 | 1,032,466 | 121,547 | 1,154,013 | 345,449 | 808,564 | 825,775 | (17,211) |
| 20/11/2009 | 1,044,245 | 106,109 | 1,150,354 | 268,225 | 882,129 | 842,162 | 39,967 |
| 21/11/2009 | 932,515 | 106,059 | 1,038,574 | 295,087 | 743,487 | 715,911 | 27,576 |
| 22/11/2009 | 1,071,129 | 106,059 | 1,177,188 | 264,837 | 912,351 | 832,570 | 79,781 |
| 23/11/2009 | 1,156,869 | 122,057 | 1,278,926 | 241,474 | 1,037,452 | 952,915 | 84,537 |
| 24/11/2009 | 1,059,908 | 111,887 | 1,171,795 | 303,624 | 868,171 | 894,213 | (26,042) |
| 25/11/2009 | 965,663 | 143,232 | 1,108,895 | 294,001 | 814,894 | 790,984 | 23,910 |
| 26/11/2009 | 1,013,343 | 106,058 | 1,119,401 | 285,462 | 833,939 | 816,945 | 16,994 |
| 27/11/2009 | 1,019,437 | 126,397 | 1,145,834 | 283,635 | 862,199 | 796,346 | 65,853 |
| 28/11/2009 | 1,010,465 | 106,058 | 1,116,523 | 286,699 | 829,824 | 828,065 | 1,759 |
| 29/11/2009 | 1,012,888 | 106,058 | 1,118,946 | 268,172 | 850,774 | 807,843 | 42,931 |
| 30/11/2009 | 1,334,830 | 106,058 | 1,440,888 | 237,800 | 1,203,088 | 1,041,168 | 161,920 |

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To determine the utilization of a facility there must be measurement associated with the segment. The following data represents the percentage utilization for the past four complete years based on data gathered by Union's SCADA telemetry system for segments with measurement.

| | | 2008 | 2009 | 2010 | 2011 |
|--------------------------|---------------|--------|---------|--------|---------|
| Central Delivery Area | Bass Lake | < 40% | < 60% | < 40% | < 40% |
| Tited | Bracebridge | < 40% | < 40% | < 40% | < 20% |
| | Burks Falls | < 60% | < 60% | < 60% | < 60% |
| | Cumberland | < 40% | < 40% | < 60% | < 60% |
| | Edgar | < 60% | < 60% | < 60% | < 60% |
| | Gravenhurst | < 40% | < 40% | < 40% | < 40% |
| | Huntsville | < 60% | < 40% | < 40% | < 60% |
| | Madill | < 60% | < 40% | < 40% | < 40% |
| | Muskoka | < 40% | < 40% | < 40% | < 40% |
| | Orillia | < 40% | < 40% | < 40% | < 40% |
| | Parry Sound | < 40% | < 40% | < 40% | < 40% |
| | Powassan | < 60% | < 60% | < 60% | < 60% |
| | Pt Sydney | < 40% | < 40% | < 40% | < 40% |
| | South River | < 60% | < 60% | < 60% | < 60% |
| | South River | < 0070 | < 00 /0 | < 0070 | < 00 /0 |
| Eastern Delivery | | | | | |
| Area | Augusta | < 80% | < 60% | < 60% | < 60% |
| | Baltimore | < 40% | < 60% | < 40% | < 40% |
| | Belleville | < 40% | < 40% | < 40% | < 40% |
| | Brighton | < 40% | < 40% | < 40% | < 40% |
| | Cardinal | > 80% | > 80% | > 80% | > 80% |
| | Cobourg | < 40% | < 40% | < 40% | < 40% |
| | Colborn | < 60% | < 60% | < 60% | < 60% |
| | Cornwall East | < 20% | < 20% | < 20% | < 20% |
| | Cornwall West | < 40% | < 40% | < 40% | < 40% |
| | Gananoque | < 40% | < 40% | < 40% | < 40% |
| | Grafton | < 40% | < 40% | < 60% | < 60% |
| | Iroquois | < 20% | < 20% | < 20% | < 20% |
| | Lennox | < 20% | < 20% | < 20% | < 20% |
| | Long Soo | < 40% | < 40% | < 20% | < 40% |
| | Marysville | < 20% | < 20% | < 20% | < 20% |
| | Mattawa | < 60% | < 60% | < 60% | < 60% |
| | Maynard | < 40% | < 40% | < 40% | < 40% |
| | McKendry | < 40% | < 40% | < 40% | < 40% |
| | | | | | |

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| Milhaven | < 60% | < 60% | < 80% | < 80% |
|----------------|-------|-------|-------|-------|
| Morewood | < 40% | < 60% | < 60% | < 60% |
| Morrisburg | < 60% | < 60% | < 60% | < 60% |
| Napanee | < 40% | < 40% | < 40% | < 40% |
| Osnabrouck | < 60% | < 60% | < 60% | < 60% |
| Pittsburg | < 60% | < 60% | < 40% | < 40% |
| Prescott | < 20% | < 80% | < 80% | < 80% |
| Port Hope | < 60% | < 40% | < 40% | < 60% |
| Rutherglen | < 40% | < 40% | < 20% | < 20% |
| Strathcona | < 80% | < 80% | < 80% | < 80% |
| Sydenham | < 20% | < 20% | < 20% | < 20% |
| Thurlow | < 60% | < 60% | < 60% | < 40% |
| Trenton | < 60% | < 60% | < 60% | < 60% |
| Westbrook | < 40% | < 40% | < 40% | < 60% |
| Winchester | < 60% | < 60% | < 40% | < 40% |
| Williamsburg | < 40% | < 40% | < 40% | < 60% |
| Wooler | < 40% | < 40% | < 40% | < 40% |
| | | | | |
| | | | | |
| Boston Cr | < 20% | < 20% | < 20% | < 20% |
| Calendar | < 40% | < 60% | < 60% | < 60% |
| Calstock | < 60% | < 40% | < 20% | < 40% |
| Cargill | < 60% | < 80% | < 80% | < 80% |
| Cedar Heights | < 60% | < 40% | < 40% | < 40% |
| Coleman | < 60% | < 60% | < 40% | < 40% |
| Earlton | < 40% | < 40% | < 40% | < 40% |
| Englhrt | < 40% | < 40% | < 20% | < 40% |
| Fauquir | < 60% | < 60% | < 40% | < 60% |
| Haileybury | < 40% | < 40% | < 40% | < 40% |
| Harty | < 60% | < 60% | < 60% | < 40% |
| Hearst | < 60% | < 40% | < 40% | < 40% |
| Iroquois Falls | < 80% | < 80% | < 80% | < 80% |
| Kapuskasing | < 40% | < 40% | < 40% | < 40% |
| Kirkland Lake | < 60% | < 80% | < 80% | < 80% |
| Marten River | < 40% | < 40% | < 40% | < 60% |
| Matheson | < 60% | < 40% | < 40% | < 60% |
| Mattice | < 60% | < 60% | < 40% | < 60% |
| Monteith | < 60% | < 60% | < 40% | < 40% |
| Moonbeam | < 60% | < 60% | < 40% | < 60% |
| | 000: | 000: | 000: | 004: |

< 80%

< 80%

< 80%

< 80%

Northland Iroquois Falls

Northern Delivery

Area

| | New Liskeard | < 40% | < 40% | < 40% | < 40% |
|------------------|-------------------|-------|-------|-------|-------|
| | Opastika | < 40% | < 40% | < 40% | < 40% |
| | Ramore | < 80% | < 60% | < 60% | < 60% |
| | Smooth Rock Falls | < 40% | < 40% | < 40% | < 40% |
| | TCPL Kapuskasing | < 20% | < 40% | < 40% | < 40% |
| | TCPL North Bay | < 60% | < 80% | < 80% | < 80% |
| | Temagami North | < 20% | < 20% | < 20% | < 20% |
| | Temagami South | < 60% | < 60% | < 60% | < 60% |
| | Thorne | < 40% | < 60% | < 40% | < 40% |
| | Trout Lake | < 60% | < 40% | < 40% | < 40% |
| | Val Gagne | < 40% | < 60% | < 60% | < 60% |
| | Val Rita | < 40% | < 40% | < 40% | < 60% |
| | West Ferris | < 40% | < 20% | < 20% | < 40% |
| | Widdlefield | < 60% | < 60% | < 40% | < 40% |
| | Zucks | < 60% | < 80% | < 80% | < 80% |
| | | | | | |
| Sault Ste. Marie | | | | | |
| Delivery Area | SSM | < 60% | < 60% | < 80% | < 80% |
| | | | | | |
| Western Delivery | | | | | |
| Area | Atikokan | < 40% | < 20% | < 20% | < 20% |
| | Barclay | < 60% | < 60% | < 60% | < 60% |
| | Beardmore | < 60% | < 60% | < 60% | < 60% |
| | Dryden | < 40% | < 20% | < 20% | < 20% |
| | Geraldton | < 40% | < 40% | < 40% | < 40% |
| | Hurkett | < 40% | < 40% | < 40% | < 60% |
| | Keewatin | < 40% | < 40% | < 40% | < 40% |
| | Kenora | < 40% | < 40% | < 40% | < 40% |
| | Kenora Airport | < 40% | < 40% | < 40% | < 20% |
| | Long Lac | < 40% | < 20% | < 20% | < 20% |
| | Nipigon | < 60% | < 40% | < 40% | < 40% |
| | Red Rock | < 60% | < 20% | < 20% | < 20% |
| | Thunder Bay | < 40% | < 40% | < 40% | < 40% |
| | Vermillion Bay | < 40% | < 40% | < 40% | < 40% |
| | | | | | |
| Trafalgar | Beachville | < 60% | < 40% | < 40% | < 40% |
| | Brantford | < 60% | < 60% | < 60% | < 80% |
| | London West | < 40% | < 40% | < 40% | < 40% |
| | Galt | < 40% | < 40% | < 40% | < 40% |
| | Halton | > 80% | > 80% | < 20% | < 40% |
| | | | | | |

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| | Hamilton | < 60% | < 60% | < 40% | < 60% |
|--------------|-------------------|-------|-------|-------|-------|
| | Hensall | < 40% | < 40% | < 40% | < 40% |
| | Kerwood | < 40% | < 40% | < 40% | < 40% |
| | London North | < 60% | < 60% | < 60% | < 60% |
| | Milton East | < 20% | < 20% | < 20% | < 80% |
| | Milton | < 40% | < 40% | < 20% | < 20% |
| | Owen Sound | < 40% | < 40% | < 40% | < 40% |
| | Oxford | < 40% | < 40% | < 40% | < 40% |
| | Parkway Trans | < 60% | > 80% | < 40% | < 80% |
| | Puslinch | < 40% | < 40% | < 40% | < 40% |
| | St Marys | < 60% | < 40% | < 40% | < 40% |
| | Strathroy | < 40% | < 20% | < 20% | < 20% |
| Sarnia | Sarnia | < 60% | < 60% | < 80% | < 80% |
| Panhandle | Panhandle | < 40% | < 40% | < 40% | < 40% |
| Low Pressure | | | | | |
| Market | Low Pressure | < 40% | < 40% | < 40% | < 60% |
| Union CDA | Bronte | < 60% | < 40% | < 60% | < 40% |
| | Burlington | < 20% | < 20% | < 20% | < 20% |
| | Hamilton #3 | < 20% | < 20% | < 80% | < 20% |
| | Kirkwall Dominion | < 40% | < 20% | < 40% | < 40% |
| | | | | | |

Capacity awarded for each open season in 2006, 2007, 2008

Open Season 2006 - Dawn Trafalgar

| Open Ocason 2000 Dawn Trainigar | | | Contracted | | | | |
|--------------------------------------------|---------|----------|------------|-------|------|------------|-----------------|
| Party | Receipt | Delivery | Quantity | Units | Term | Start Date | End Date |
| Enbridge Gas Distribution Inc. | Dawn | Parkway | 106,000 | GJ | 12 | Nov 1/06 | Oct 31/18 |
| TransAlta Cogeneration LP | Dawn | Parkway | 11,809 | GJ | 10 | Nov 1/06 | Oct 31/16 |
| Connecticut Natural Gas Corp | Dawn | Parkway | 18,077 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Southern Connecticut Natural Gas Corp | Dawn | Parkway | 34,950 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Brooklyn Union Gas Company | Dawn | Parkway | 12,953 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Keyspan Gas East Corporation | Dawn | Parkway | 17,160 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Boston Gas Company | Dawn | Parkway | 9,282 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Colonial Gas Company | Dawn | Parkway | 6,475 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Essex Gas Company | Dawn | Parkway | 2,158 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| EnergyNorth Natural Gas | Dawn | Parkway | 4,317 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Bay State Gas Company | Dawn | Parkway | 27,803 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Northern Utilities Inc | Dawn | Parkway | 6,333 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Yankee Gas Services Co | Dawn | Parkway | 43,116 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Central Hudson Gas & Electric | Dawn | Parkway | 10,792 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| National Fuel Gas Distribution | Dawn | Kirkwall | 10,791 | GJ | 11 | Nov 1/06 | Oct 31/17 |
| Energy Source Canada Inc. | Dawn | Parkway | 2,500 | GJ | 10 | Nov 1/06 | Oct 31/16 |
| Energy Source Canada Inc. | Dawn | Parkway | 2,500 | GJ | 15 | Nov 1/06 | Oct 31/21 |
| UBS Energy Canada Inc. | Dawn | Parkway | 10,000 | GJ | 10 | Nov 1/06 | Oct 31/16 |
| Stelco Inc. | Dawn | Parkway | 17,351 | GJ | 12 | Nov 1/06 | Oct 31/18 |
| TransCanada Pipelines Limited | Dawn | Parkway | 248,103 | GJ | 10 | Nov 1/06 | Oct 31/16 |
| BP Canada Energy Company | Dawn | Parkway | 20,000 | GJ | 16 | Nov 1/06 | Oct 31/22 |
| City of Kitchener | Dawn | Parkway | 4,000 | GJ | 10 | Nov 1/06 | Oct 31/16 |
| Gaz Metro | Dawn | Parkway | 35,000 | GJ | 10 | Nov 1/06 | Oct 31/16 |
| Total 2006 | | | 661,472 | = | | | |
| | | | | | | | |
| Open Season 2007 - Dawn Trafalgar | | | | | | | |
| Keyspan Utility Services LLC, as agent for | Dawn | Kirkwall | 138,600 | GJ | 11 | Nov 1/07 | Oct 31/18 |
| Southern Conneticut | Dawn | Parkway | 8,903 | GJ | 11 | Nov 1/07 | Oct 31/18 |
| Conneticut Natural | Dawn | Parkway | 13,490 | GJ | 11 | Nov 1/07 | Oct 31/18 |
| Keyspan Gas East | Dawn | Parkway | 22,772 | GJ | 11 | Nov 1/07 | Oct 31/18 |
| Keyspan Gas West | Dawn | Parkway | 30,217 | GJ | 11 | Nov 1/07 | Oct 31/18 |
| Yankee Gas | Dawn | Parkway | 20,560 | GJ | 11 | Nov 1/07 | Oct 31/18 |
| Enbridge Gas Distribution | Dawn | Parkway | 57,100 | GJ | 12 | Nov 1/07 | Oct 31/19 |
| Gaz Metro LP | Dawn | Parkway | 65,000 | GJ | 20 | Nov 1/07 | Oct 31/27 |
| GTAA | Dawn | Parkway | 7,500 | GJ | 11 | Nov 1/07 | Oct 31/18 |
| Vermont Gas System | Dawn | Parkway | 20,000 | GJ | 10 | Nov 1/07 | Oct 31/17 |
| | | | | | | | |

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Open Season 2006 - Dawn Trafalgar

| Party | | Receipt | Delivery | Contracted Quantity | Units | Term | Start Date | End Date |
|-------------------------------------------|-------------------|---------|----------|---------------------------|---------|------|------------|-----------|
| Sithe Goreway | Total 2007 | Dawn | Parkway | 125,000 509,142 | GJ • | 10 | Nov 1/07 | Oct 31/17 |
| <u> Open Season 2008 - Dawn Trafalgar</u> | | | | | | | | |
| Thorold Cogen LP | | Dawn | Parkway | 49,500 | GJ | 10 | Nov 1/08 | Oct 31/18 |
| Portlands Energy Centre | | Dawn | Parkway | 100,000 | GJ | 20 | Nov 1/08 | Oct 31/28 |
| TransCanada Energy | | Dawn | Parkway | 132,000 | GJ | 20 | Nov 1/09 | Oct 31/28 |
| | Total 2008 | | · | 281,500 | - | | | |

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Benchmarking Survey Participants

AGA Survey Participants (Distribution)

AGL Resources

Alabama Gas Corporation

AltaGas Utilities, Inc.

Ameren Corporation

ATCO Gas

Atmos Energy Corporation

Avista Utilities

Baltimore Gas & Electric Company

BG Group Subsidiary: Comgas

BG Group Subsidiary: Mahanagar Gas Limited

CenterPoint Energy - Arkansas/Oklahoma

CenterPoint Energy - Louisiana/Mississippi

CenterPoint Energy - Minnesota Gas Co.

CenterPoint Energy - Texas

Central Hudson Gas and Electric Corp.

Citizens Gas Company

Colorado Springs Utilities

Consolidated Edison Co. of NY

Consumers Energy Company

Delmarva Power & Light

Delta Natural Gas Company

DTE Energy - MichCon

Duke Energy

Enbridge Gas Distribution Inc.

Enbridge Subsidiary: St Lawrence Gas Company

Entergy Gas Services, Inc Equitable Gas Company

Gaz Metro

Integrys Energy Group

Integrys Energy Group: Michigan Gas Utilities Company Integrys Energy Group: Minnesota Energy Resources

Integrys Energy Group: North Shore Gas Integrys Energy Group: Peoples Gas

Integrys Energy Group: Wisconsin Public Service Corporation

Laclede Gas Company LGE & KU Energy

MDU Utility Group: Intermountain Gas Company MDU Utility Group: Montana Dakota Utilities National Fuel Gas Distribution Corporation

National Grid

New Jersey Natural Gas Company

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Nicor Gas

NiSource: Columbia Gas of Kentucky NiSource: Columbia Gas of Maryland Attachment 18 Page 2 of 4

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NiSource: Columbia Gas of Massachusetts (formerly Bay State Gas Company)

NiSource: Columbia Gas of Ohio

NiSource: Columbia Gas of Pennsylvania NiSource: Columbia Gas of Virginia

NiSource: Kokomo Gas and Fuel Company

NiSource: NIPSCO (Northern Indiana Fuel and Light) NiSource: NIPSCO (Northern Indiana Public Service Co)

NW Natural

ONEOK Subsidiary: Kansas Gas Service

ONEOK Subsidiary: Oklahoma Natural Gas Co.

ONEOK Subsidiary: Texas Gas Service

Pacific Gas and Electric Co.

PECO Energy

Peoples Natural Gas

Philadelphia Gas Works

Piedmont Natural Gas Company

Public Service Electric & Gas Company

Puget Sound Energy

Questar Gas Company

SEMCO Energy, Inc.

Sempra Energy Utilities Subsidiary: San Diego Gas & Electric Sempra Energy Utilities Subsidiary: Southern California Gas

Source Gas, LLC

South Jersey Gas Company

Southwest Gas Corporation

TECO Peoples Gas

UGI Utilities, Inc.

UIL Holdings Corporation: Connecticut Natural Gas Company UIL Holdings Corporation: Southern Connecticut Gas Company

Union Gas Limited Valley Energy, Inc.

Vectren Corporation

Vermont Gas Systems, Inc.

Washington Gas Light Company

We Energies

Westfield Gas & Electric Light Company

Xcel Energy: Northern States Power - Minnesota Xcel Energy: Northern States Power - Wisconsin Xcel Energy: Public Service Company of CO

Yankee Gas Services Company

AGA Survey Participants (Transmission)

Consolidated Edison of New York

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Consumers Energy Dominion East Ohio

DOW Pipeline

DTE Energy - MichCon

Eastern Shore Natural Gas

El Paso Pipeline Group

Kansas Gas Service

LGE and KU Energy

Michigan Gas Utilities

National Fuel

Nicor Gas

NorthWestern Energy

NW Natural

Oklahoma Natrual Gas Company

Peoples Natural Gas

Piedmont Natural Gas

Questar Pipeline

SourceGas

Southwest Gas Corporation

TransCanada Pipelines Ltd.

Union Gas Limited

Washington Gas Company

Wisconsin Public Service Corporation

CGA Survey Participants

AltaGas Utilities

ATCO Gas

Enbridge Gas Distribution

Enbridge Gas New Brunswick

Fortis BC

Gaz Metro

Gazifere

Heritage Gas

Manitoba Hydro

PNG

SaskEnergy

TransCanada

Union Gas

PSE&G Survey Participants

AGL Resources

Bay State Gas

Baltimore Gas & Electric

Citizens Gas

Columbia Gas - Kentucky

Columbia Gas - Maryland

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Columbia Gas - Ohio Columbia Gas - PA Columbia Gas - Virginia

Con Edison

CPS Energy

Delmarva Power & Light

DTE Energy

Enbridge Gas

Kansas Gas Service

New Jersey Natural

NSTAR

Oklahoma Natural Gas

ONEOK

Pacific Gas & Electric

PECO Energy

Peoples Gas

PSE&G

Puget Sound

South Jersey Gas

Southwest Gas

Texas Gas Service

UGI Utilities

Union Gas

Yankee Gas

Xcel PSCO