

1.P.U.C. Case No. PE 11-250

1311 No # 104



# Presentation to the Tolls Task Force September 2009 Forecast Update

October 7, 2009



#### Purpose



Present supply, flow and revenue forecasts that underpin:

- 2009/2010 Winter fuel rates
- 2010 Mainline toll setting



#### Description of Forecasts



- 1. Nov 2008
  - 1. Used to underpin 2009 tolls
  - 2. Presented to TTF in Oct & updated in Nov
- 2. Feb 2009
  - 1. Basis for seasonal summer 2009 fuel posting
  - 2. Also used for 2010 toll discussions with TTF
  - 3. Presented to TTF in March
- 3. May 2009
  - 1. Long term forecast update
  - 2. Presented to TTF in June
- 4. Aug 2009
  - 1. Scope: 2009 only
  - Presented to TTF 1<sup>st</sup> week of Sept 2009 with 2009 M/L revenue update
- 5. Sept 2009
  - Current view
  - Underpins 2009 revenue projection, 2010 tolls and winter 09/10 fuel
  - 3. Presented to TTF Oct 7



## Supply - Perspectives



- WCSB supply lower than expected due to unprecedented market conditions:
  - Access to capital
  - Gas prices
  - Uncertainties
- Potentially the lowest natural gas activity levels in over a dozen years, especially in north half of AB and SK
- Widening supply gap compared to last year with little activity this summer
- Estimate that approx. 500-700 MMcf/d of supply is currently shut-in. This was unanticipated last November.



#### WCSB Supply Forecast (2009 - 2010)



- WCSB gas production in 2008 was 15.7 Bcf/d
- Gas supply expected to drop to 14.9 Bcf/d in 2009, a decrease of 800 MMcf/d (Nov. 2008 forecast 400 MMcf/d)
- 2010 supply expected to decrease 500 MMcf/d to 14.4 Bcf/d (relative to current 2009 outlook)
- 2010 supply range of 14.1 14.5 Bcf/d (decrease of 400 – 800 MMcf/d)
- Post 2010, supply to flatten and possibly increase depending on shale success

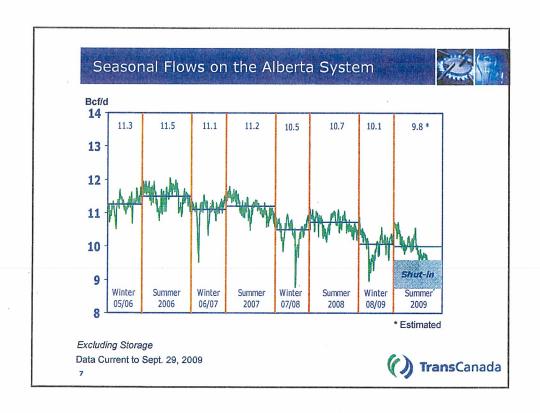


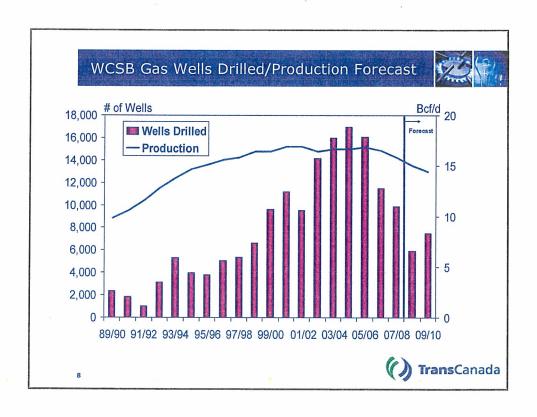
# 2010 Assumptions

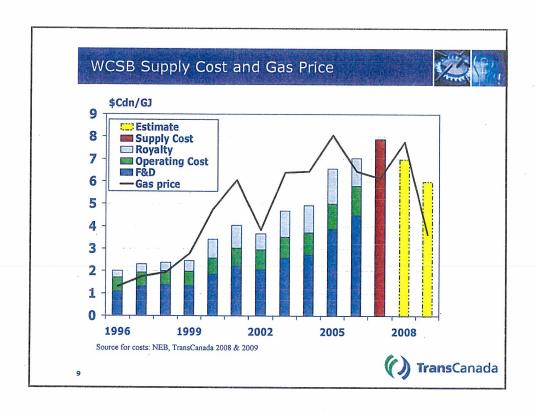


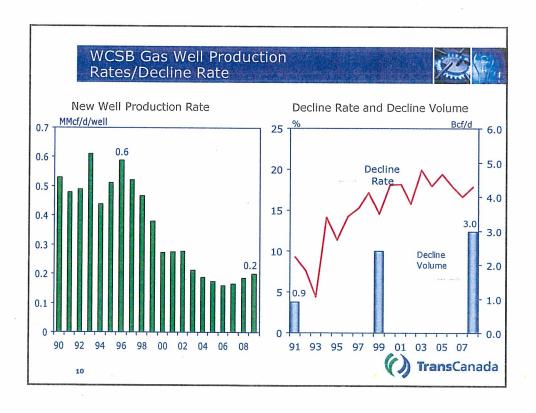
- Are we at the bottom?
- Gas prices and activity levels to be slightly higher
- Supply costs are lower
- Access to capital improving
- Most of the shut-in supply to be back
- More productive wells being drilled











#### Western Canada Forecast - Key Messages



- 2009 Mainline flows down from Nov 2008 forecast:
  - lower supply and downstream market conditions
- Summer 2009 record high storage level
  - Forecast:
    - winter 09/10 draw of 242 Bcf (1.60 Bcf/d)
    - Refill summer 2010 (1.13 Bcf/d)
- WCSB supply declining into 2010
  - Growth potential post 2010: Montney and Horn River
- Alberta demand growing lead by oil sands
  - Growth profile somewhat lower than in earlier forecasts
- Mainline flows forecast to average 4.16 Bcf/d next winter and 3.97 Bcf/d for the 2010 year



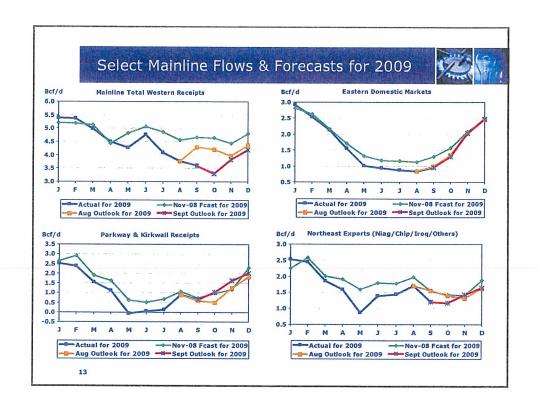
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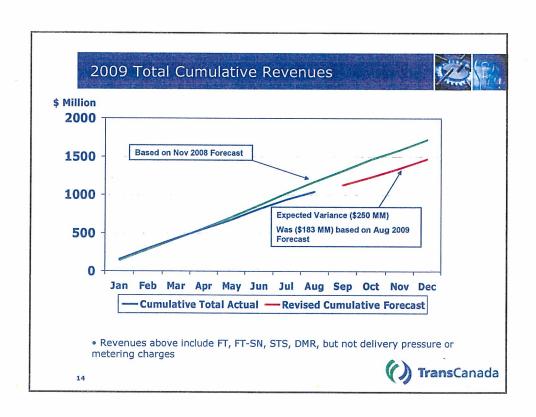
#### Eastern Canada Forecast – Key Messages



- 2009 flows lower than Nov 2008 forecast due to recession, cool summer and alternative supplies
- Ontario and Quebec 2010 demand expected grow slightly from 2009 level with growth in electrical power generation
- Exports to U.S. northeast expected to reduce
  - Coming under pressure from Canaport LNG, Marcellus Shale, REX extension, Mid-Continent shales







#### Western Canada Forecasts for 2009 & 2010



| Bcf/d              | Sept 2009<br>For 2009 | Feb 2009<br>For 2010 | Sept 2009<br>For 2010 |  |
|--------------------|-----------------------|----------------------|-----------------------|--|
| WCSB Supply        | 14.87                 | 14.78                | 14.38                 |  |
| Net Storage Draw   | -0.01                 | -0.01                | 0.06                  |  |
| Net Supply         | 14.86                 | 14.77                | 14.44                 |  |
| WC Demand          | 4.84                  | 5.11                 | 4.97                  |  |
| Exports            | 10.02                 | 9.66                 | 9.48                  |  |
| Mainline           | 4.34                  | 4.29                 | 3.97                  |  |
| Northern Border    | 1.55                  | 1.32                 | 1.50                  |  |
| GTN                | 1.78                  | 1.70                 | 1.67                  |  |
| Alliance           | 1.62                  | 1.65                 | 1.60                  |  |
| Northwest Pipeline | 0.77                  | 0.72                 | 0.73                  |  |

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### Eastern Canada Forecasts for 2009 & 2010



| Bcf/d                | Sept 2009<br>For 2009 | Feb 2009<br>For 2010 | Sept 2009<br>For 2010 |
|----------------------|-----------------------|----------------------|-----------------------|
| NOL                  | 2.08                  | 2.06                 | 1.82                  |
| Kirkwall receipts    | 0.72                  | 0.67                 | 0.68                  |
| Parkway receipts     | 0.44                  | 0.59                 | 0.60                  |
| Ont/Que Market       | 1.63                  | 1.83                 | 1.70                  |
| NE Export Deliveries | 1.61                  | 1.49                 | 1.40                  |



#### Western Canada Forecast for Winter 09/10



| Bcf/d              | Winter 08/09<br>Actual | Winter 09/10<br>Forecast | Change                                |  |
|--------------------|------------------------|--------------------------|---------------------------------------|--|
| WCSB Supply        | 15.36 15.09            | 14.58                    | (0.7 <sup>8)</sup> ( <del>0.51)</del> |  |
| Net Storage Draw   | 1.44                   | 1.61                     | 0.17                                  |  |
| Net Supply         | 16.80 16.52            | 16.19                    | (0.61) (0.33)                         |  |
| WC Demand          | 5.87                   | 5.96                     | 0.08                                  |  |
| Exports            | 10.93 10.65            | 10.23                    | (0.70) (0.42)                         |  |
| Mainline           | 4.98                   | 4.16                     | (0.82)                                |  |
| Northern Border    | 1.69                   | 1.80                     | 0.11                                  |  |
| GTN                | 1.84                   | 1.82                     | (0.02)                                |  |
| Alliance           | 1.69                   | 1.69                     | -                                     |  |
| Northwest Pipeline | 0.78                   | 0.75                     | (.03)                                 |  |

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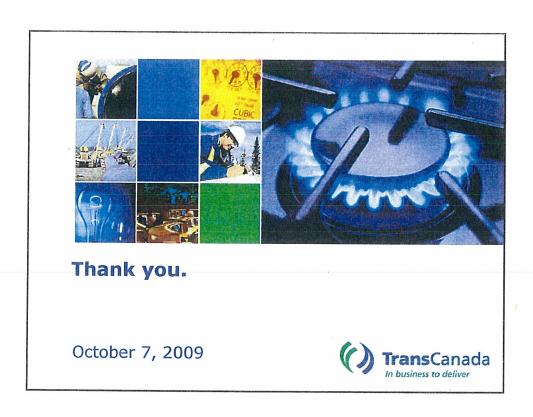


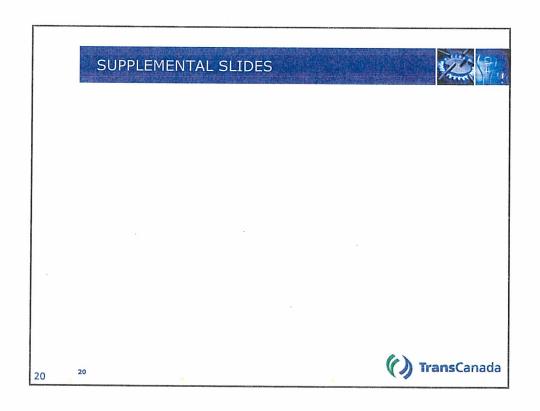
#### Eastern Canada Forecast for Winter 09/10



| Bcf/d                | Winter 08/09<br>Actual | Winter 09/10<br>Forecast | Change |
|----------------------|------------------------|--------------------------|--------|
| NOL                  | 2.53                   | 2.03                     | (0.50) |
| Kirkwall receipts    | 1.01                   | 0.84                     | (0.18) |
| Parkway receipts     | 1.08                   | 1.27                     | 0.20   |
| Ont/Que Market       | 2.41                   | 2.46                     | 0.05   |
| NE Export Deliveries | - 2.22                 | 1.71                     | (0.51) |







#### Western Canada Forecasts for 2009



| Bcf/d              | Nov 2008 | Feb 20 <b>0</b> 9 | May 2009 | Aug 2009 | Sept 2009 |
|--------------------|----------|-------------------|----------|----------|-----------|
| WCSB Supply        | 15.36    | 15.16             | 15.04    | 14.93    | 14.87     |
| Net Storage Draw   | 0.07     | 0.04              | 0.04     | 0.08     | -0.01     |
| Net Supply         | 15.43    | 15.20             | 15.08    | 15.01    | 14.86     |
| WC Demand          | 4.89     | 4.86              | 4.86     | 4.83     | 4.84      |
| Exports            | 10.54    | 10.34             | 10.22    | 10.18    | 10.02     |
|                    |          |                   |          |          |           |
| Mainline           | 4.86     | 4.80              | 4.80     | 4.51     | 4.34      |
| Northern Border    | 1.51     | 1.40              | 1.31     | 1.55     | 1.55      |
| GTN                | 1.79     | 1.77              | 1.78     | 1.74     | 1.78      |
| Alliance           | 1.66     | 1.65              | 1.61     | 1.62     | 1.62      |
| Northwest Pipeline | 0.73     | 0.73              | 0.75     | 0.76     | 0.77      |



