Enbridge Bakken Expansion Program

COQA

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Agenda

• About Enbridge
• Growing Bakken Production
• Enbridge in the Bakken
• Superior Market Access
• Contract Storage
• Conclusion
Bakken Production & Capacity Forecast

Raymond James Production

Bakken Expansion Program - 325,000 bpd (expanded capacity)

Bakken Expansion Program - 145,000 bpd

Historical
Teso

ENB Dev Wells
ENB Infill Wells

Baker

EPND Current

*RJ Delta

TCPL Marketlink

*Source: Raymond James January 24, 2011
Bakken Regional Infrastructure Expansions Status Update

- **North Dakota Pipeline Capacity**
  - 185,000 bpd growing to 210,000 bpd
  - Phase 6 (51 kbdp of additional capacity)
  - Portal Reversal (25 kbdp of additional capacity)
  - Alexander to Beaver Lodge
  - System Optimization
  - Berthold Truck Station

- **Bakken Expansion Program**
  - Capacity: 145,000 bpd
  - In-service Jan 1, 2013
  - Expandable to 325,000 bpd
Bakken Expansion Program Configuration

1. Beaver Lodge Loop Project
2. Portal Reversal Expansion Project
3. Bakken Expansion 16” Line
4. Cromer Terminal Facilities
5. South of the River Initiatives
• Petition for Declaratory Order on Commercial Structure approved from Federal Energy Regulatory Commission (FERC)  
  – November 2010

• Affirmed with U.S. Department of State that reversal of “Portal Link” cross border did not require new Presidential Border Crossing Permit  
  – The section had originally transported Canadian production south.

• North Dakota Public Service Commission (PSC) Application  
  - Filed November, 2010  
  - Decision expected May, 2011

• National Energy Board (NEB) Application Filed January, 2011  
  – Hearing is set for October 4th 2011.
Bakken production continues to climb...

...while refinery conversions in Midwest will further reduce regional demand for light crude

### Refinery Conversions

<table>
<thead>
<tr>
<th>Refinery Conversions</th>
<th>Year</th>
<th>Change in Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRB Wood River</td>
<td>2012</td>
<td>-130,000</td>
</tr>
<tr>
<td>BP Whiting</td>
<td>2013</td>
<td>-230,000</td>
</tr>
<tr>
<td>MAP Detroit</td>
<td>2013</td>
<td>-70,000</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>-430,000</td>
</tr>
</tbody>
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Growth in light production coupled with refinery conversions in Upper Midwest will continue to cause market disparity for WTI
Enbridge Extending Light Crude to Premium Light Sweet Markets

- "Bakken Sweet to USGC"
- "Sweeten Spearhead"
- "PADD I and PADD II Premium Markets"
Preserving Bakken Quality into Enbridge Mainline

EPND Common Stream Quality at Clearbrook
1Q 2006 - 1Q 2011  (Sulfur Content -- Percent)

1Q 2011: 0.17% Sulfur
Monarch Pipeline Project

Greenfield
- A 475 mile pipeline from Cushing to the interconnect north of Houston to serve US Gulf Coast refinery hub
- Utilize existing terminal at Cushing and deliver into existing terminal and pipeline infrastructure in Houston area
- Designed based on 350 kbd of WTI
- Expandable to meet market needs to connect supplies to vast Gulf Coast hubs
- Targeting a Q4 2013 in-service date
Contract Storage and Terminalling

• **Contract Storage**
  – $77 million Cushing expansion
  – Additional 3 million barrels of capacity
  – In-service late 2011
  – Total system capacity after expansion: 19 million barrels

• **Operational Flexibility**
  – Growing Lakehead volumes will spur additional investment
✔ Investing in infrastructure to get production to market

✔ Providing producers with access to the right markets

✔ Developing projects to access more markets and greater optionality
Questions?