

# **MATL Project:**

## ***Montana-Alberta Tie-Line***

# **Update**

## **January 31, 2012**

**Robert Stade**  
**Engineering Project Manager**



- **North American leader in energy delivery**
- **Essential link between supply and demand**
- **More than 80,000 km of pipeline and distribution networks**
- **Owner/operator of world's longest liquids pipeline system**
- **160 years of gas distribution experience, and 60 years of pipeline transmission experience**
- **Over US \$27 billion in assets, market capitalization of ~ \$ 17 billion**
- **Employs more than 6,000 people**
- **Energy Transportation is our business**

Enbridge has over 60 years of pipeline operating experience



- Enbridge Inc. acquisition of Tonbridge Power Ltd. approved on September 26, 2011 by Tonbridge shareholders. The acquisition deal closed on October 13, 2011.
- Enbridge's acquisition results in ownership of the Montana Alberta Tie-Line (MATL), a 214-miles, 300 MW and 230 kV electrical transmission line from Great Falls, Montana to Lethbridge, Alberta.
- WAPA is the primary share holder of the MATL project.
- Project is situated in a green energy corridor to satisfy future renewable power demands.



## Summary

- 214-mile (345 km) line will tie into the Alberta grid at a new substation located nine miles (15 km) northeast of the city of Lethbridge.
- The line will run approx. 81 miles (130 km) south to the US/Canada border at a point west of the Sweetgrass/Coutts border crossing.
- From there, it will run a further 133 miles (215 km) south to terminate at NorthWestern Energy's Great Falls substation which is located just north of Great Falls, Montana.

Information Source:

<http://www.matl.ca/Project/ProjectOverview.aspx>

## Two (2) Remediation Sections:

***1. From Marias Switch Yard to US/Canada Border***

***2. From US/Canada Border to HWY 61 Alberta***

Both sections consist of the following three activities each:

- Stabilize previously erected structures that have foundation settlement, pole lean or guy wire slacking;
- New construction of structures 102/3 to 103/4; and
- Conductor, OPGW and OHSW stringing, sagging and clipping for portions not installed



**Figures 1 and 2 – Photographs of Remediation Structure 168/1 (exhibiting leaning due to improper setting)**

## Two (2) Greenfield Sections:

### **1. *From Marias Switch Yard to Great Falls, MT***

Construction of structures 0/1 to 94/2. These structures consist of:

- 516 monopoles;
- 34 H-frame; and
- 4 triple sets

### **2. *From HWY 61 in Alberta to 120S Substation***

Construction of structures 181/1 through 214/5. These structures consist of:

- 323 monopoles



Pole  
remediation



Pole  
remediation –  
hydro vac



Permafrost  
backfill



Shelter  
being built  
around the  
PST at 120S  
substation

# Milestone Schedule



Activity	Target
Detailed Engineering	November 2011
Procurement of Long-Lead Items	December 2011
Contracts Awarded (Construction)	December 2011
Outstanding Land, Environment & Regulatory Matters	Q1/2 2012
MT & AB Remediation Construction	Q3 2012
MT & AB Greenfield Construction	Q4 2012
Marias & 120S Stations	Q3 2012
Construction Complete	Q4 2012
Testing & Commissioning	Q4 2012
In Service Date	Q4 2012



*Questions?*