CORPORATION OF THE MUNICIPALITY OF CALVIN
MINUTES OF THE SPECIAL JOINT MEETING OF
TUESDAY MARCH 29, 2016

The SPECIAL JOINT MEETING OF LOCAL COUNCILS was held this date at the Calvin Community Centre.

Present CALVIN: Mayor Brown, Deputy Mayor Pennell, Coun Adams, Coun Edwards, Coun O'Connor and Lynda Kovacs
Present TOWN OF MATTAWA: Unable to Attend
Present TOWNSHIP OF PAPINEAU-CAMERON: Coun Fraser, Coun Boulanger, Coun Therrien, Coun Neault and Jason McMartin
Present TOWNSHIP OF BONFIELD: Mayor McLaren, Coun Lagassie, Coun Vaillancourt and Peter Johnston
Guests: 3 - Public
3 - Staff TransCanada – Stefan Baranski, Director Ontario
David Neeley, Lead Conversion Engineer
Sheila Willis, Community Relations Ontario

The purpose of this Special Joint Meeting was to assemble as a group to hear a presentation by members of TransCanada re: Energy East Pipeline project update

The meeting was called to order at 7:00 p.m. by Mayor Brown

DELEGATIONS: None

PECUNIARY/CONFLICT OF INTEREST: None Declared

Mayor Brown welcomed the three representatives from TransCanada, as well as Council Members and Staff from the Townships of Bonfield and of Papineau-Cameron and members of the Public. Mayor Brown then turned the floor over to Stefan Baranski, Director Ontario, TransCanada.

Stefan Baranski, Director Ontario, TransCanada

- Acknowledgement of the recent (Nov 2015) "Safety Day" held in East Ferris for this region
- Commitment to safety is TransCanada's #1 priority
- TransCanada is largest private sector power generator in Canada including 19 power plants, 8 solar facilities in Ontario, and one of North America's largest natural gas pipeline networks (68,500 km of pipeline). Their premier oil pipeline system has a 2.5 million bbl/d ultimate long-haul capacity
- Global energy demand is expected to increase 32% by 2040 with oil remaining, during that period, as largest source of energy
- Energy East is 4,600 km of 42" pipeline from Alberta to New Brunswick with a 1.1 million bpd total capacity
- Expected to create 14,000 jobs during development and construction, add $55 billion in

GDP to the economy and pay $10 billion in additional taxes (currently pay approximately $5 million in property taxes in the Nipissing area alone)

- Energy East project application was submitted to the National Energy Board (NEB) in October 2014
- Dec 2015 an amendment to the application was submitted to NEB including finalized routing of the project, pump station locations, valve siting methodology and locations
- 2016 – 2018 during NEB Hearing process and Cabinet review, TransCanada will be building emergency response plans in partnership with local communities and continue to address questions and concerns with local communities
- Estimated 2018 to commence construction and 2021 for Commissioning and In Service (dates are subject to change – new Federal legislation may mean it could take longer)
- Pipeline movement of oil will displace oil moving by rail – safer and will meet the needs/demands in Quebec and Eastern Canada
- TransCanada is committed to the protection of the environment – approximately $1 billion per year spent on world-class maintenance and integrity programs, monitoring 24/7 and can take immediate action if required, 5 clicks of a mouse will shut down the pipeline and it is set to auto shutdown within 10 minutes if necessary.

David Neeley, Lead Conversion Engineer, TransCanada

- One of 3 Lead Engineers on the project – to provide details of design, construct and operation
- Reuse existing assets as was done before with Keystone in 2010 and no leaks in that facility to date
- Pipeline safety is heavily regulated to CSA Z662-15 Code. Standards are always improving and changing. The line, originally built in this area in the 1990's for carrying gas, is already at a higher standard than required for oil
- Entire line is updated every 4 years, assessed inside and out. Equipment launched inside pipe can detect even minor issues long before an event could take place
- Should there be requirement to repair section of pipeline, contents would be evacuated, line cut and capped and brought back to integrity
- New equipment added will include 319 mainline valves along the route to allow for more sectionalization of pipeline, 71 pump stations (1 North Bay, 1 Papineau-Cameron). Valves are .9 to 1 m underground and will reduce the negative impact of failure (placed every 10 m)
- Working through analysis now, pipeline is mapped out (over 3,000 water crossings). "Worst case" scenarios simulate ruptures and then response plans are prepared accordingly. Detailed design expected to be complete by the end of 2018
- Leaks can be detected instantly, valves either side are shut down.
- Mattawa River crossing pipe is 16mm thick, encased in concrete, buried, epoxy coating/rustproofing, over pressure protection, detection of seismic activity
- All welds are x-rayed and reported to the NEB. Any weakness is ground out and re-welded
- Local emergency response hub will be North Bay. Intensive dialogue has taken place and all watershed information in this area has been shared in detail between the North Bay-Mattawa Conservation Authority and TransCanada

QUESTIONS/ANSWERS

If a rupture were to happen, say caused on a farm by a backhoe, could the pipeline be shut down on both sides of the rupture?

- Yes – valves on either side would be shut down, repairs done and integrity of line restored. Damage would be recognized remotely very quickly and responded to immediately.

TransCanada will be putting new equipment along and into the pipeline to carry the oil. The new installation will be at the highest current standards. Will TransCanada be bringing the existing installation up to the current higher standard as well?

- The line, originally built in this area in the 1990's for carrying gas, is already at a higher standard than required for oil.

What is the emergency response time from North Bay, since that is where the "response hub" will be stationed?

- Emergency response needs packs will be on pallets. Easily airlifted to any location by helicopter if necessary or moved by truck. The oil flow would be shutoff within minutes remotely, the leaked oil is what the concern would be and stopping it from flowing into and waterways or sensitive areas. Emergency response plans are now in process, not yet completed.

Will some of the emergency response be contracted?

- Yes, emergency response contractors will be dictated by the specific plans designed for each area. There are currently about 65 TransCanada employees in the North Bay area.

What do you consider an "issue"? Is it oil coming out of a pipe? Would the oil in a 42" x 200 m long section of pipe be an issue? How much oil is in a section of pipe that size?

- Sheila Willis to provide the answer to the amount of oil in a pipe that diameter and length

What about a slow leak that might go on for weeks or more undetected? How would these types of leaks be detected?

- Overall the system is designed to monitor leaks and pressure. There are flow and pressure detection sensors all along its length. The leak would be detected and when communications fail the entire length of the system is designed to self-shutdown. There are two identical monitoring stations (each an alternate for the other), manned 24/7 by highly trained specialists who monitor every area of the pipeline continuously for communication from sensors.

How will TransCanada control vegetation along the pipeline? Will pesticides be used?

- No pesticides will be used. Much of the pipeline will be hand brushed. David Neely to provide Sheila Willis the name of the vegetation control to be used and Sheila will forward to Peter Johnston (Bonfield).

At this point there were no further questions.

Mayor Brown thanked everyone for their time and for coming out to hear the TransCanada presentation and thanked the TransCanada team for coming to Calvin to provide updated information and answer questions.

2016-046 ADJOURNMENT

Moved by Coun Edwards and seconded by Coun O'Connor that this public Special Joint Meeting of local councils now be adjourned at 8:47 p.m.

Carried