

September 25, 2015

**Harry Smith 367S Substation and Transmission Lines  
South and West of Edmonton Area Transmission Development  
Telecommunications Work on Transmission Line 739L**

You are receiving this information package because you reside or own lands near the existing 739L transmission line that AltaLink is applying to make minor modifications to. The work is part of the South and West of Edmonton Area Transmission Development, specifically the proposed Harry Smith 367S Substation and Transmission Line Project.

The work includes replacement of the overhead shield wire on the existing 739L transmission line. This fiber optic cable will replace the existing shield wire on top of the line, and will be indistinguishable from the existing wire. In addition, AltaLink may also replace a number of aging poles in the existing road allowance if required. The majority of the existing poles will remain in place and any new poles will be similar in height and appearance to the existing structures. The existing 739L transmission line is located on the north side of Highway 628 and along Range Road 275/Boundary Road. Please see the map included in this information package for more details.

**Project background**

The proposed Harry Smith Substation and Transmission Line project will be located to the west of Edmonton and south of Spruce Grove. The project includes the following components:

- a new 240 kV/138 kilovolt (kV) substation to be called Harry Smith 367S Substation
- upgrade and expansion of the existing Acheson 305S Substation that will take place on AltaLink owned land
- construction of new 240 kV and 138 kV transmission lines
- rebuilding a portion of the existing 739L line (east of where your property is located), using 138 kV double circuit structures to connect the Harry Smith Substation to the existing Acheson 305S Substation

In order for the proposed Harry Smith 367S Substation to communicate with the existing Stony Plain 434S Substation, AltaLink plans to install fiber optic cable on the existing 739L transmission line, for telecommunications between the two substations.

As a result, some ageing poles along the existing 739L line may need to be replaced to accommodate the fiber optic cable. The replacement poles will look similar to the existing poles on the 739L line, and will still be located in road allowance. The portion of the existing transmission line where poles may need to be replaced is shown on the detailed photo map (DP5) included in this package. The specific poles that require replacement will be identified through further detailed engineering.

## Next Steps

We plan to file our Facilities Application with the Alberta Utilities Commission (AUC) in the coming weeks. Once we have identified which poles need to be replaced along the existing 739L transmission line, we will contact stakeholders adjacent to these locations.

The AUC will review the application and can approve, approve with conditions or deny the Project. To learn more about the AUC process and how you can become involved please refer to the AUC Brochure: *Public involvement in a proposed utility development* included in this package.

If the Project is approved, you may see or hear the following during the construction process:

- noise and construction crews
- transmission structure construction
- wire stringing on the transmission structures

## Contact us

Stakeholder input has been important in determining the best solution for this project. Please contact us at 1-877-267-1453 (toll-free) or [stakeholderrelations@altalink.ca](mailto:stakeholderrelations@altalink.ca) if you have any questions. Further information about this project and maps are available at: <http://www.altalink.ca/projects/view/187/harry-smith-367s-substation-and-transmission-lines-project>.

Sincerely,



Kevin Thorvaldson  
Manager, Stakeholder Engagement