

## FIELD STUDIES INFORMATION SHEET

### Geotechnical Investigations and Soil Resistivity Testing Along Transmission Right-of-Way: July - September 2014

The Site C Clean Energy Project is continuing to conduct environmental and engineering field studies on and around the Peace River between the Williston Reservoir and the Alberta border to inform detailed mitigation and monitoring planning as part of the project's environmental assessment process. Project construction will not take place unless Site C receives environmental certification, regulatory permits and authorizations, and approvals to proceed.

BC Hydro is conducting geotechnical investigations and resistivity testing on the south bank of the Peace River starting at Peace Canyon dam, following the existing BC Hydro 138 kV transmission line right-of-way, for approximately 77 km to the north-east. The work is to investigate the proposed 500 kV transmission tower foundation locations for the design of the 500 kV transmission lines, which would run from Peace Canyon dam to the substation on the south bank of the Site C dam site. The work is currently planned to start in July, pending permit approval.

Contractors will be using an auger to drill holes up to 250 mm in diameter. Material brought to surface by the auger will be used to backfill the holes upon completion.

At select locations, soil resistivity testing will also be carried out to provide information for design of the transmission line grounding system. Resistivity testing measures how much the soil resists the flow of electricity. Work includes inserting a series of 1" diameter metallic test probes into the ground and applying a test current.

Field study updates are available at [www.sitecproject.com](http://www.sitecproject.com) and in the Community Consultation offices in Fort St. John and Hudson's Hope.

For further information, please contact:  
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#### GEOTECHNICAL INVESTIGATIONS AND SOIL RESISTIVITY TESTING: July – September 2014

- BC Hydro is conducting geotechnical investigations and soil resistivity testing on the south bank of the Peace River, following the existing transmission line right-of-way for approximately 77 kilometres to the north-east.
- An auger drill will be used to drill holes at select locations.
- To maximize safety and efficiency, it is anticipated that a low and slow flying helicopter will be used to access select boreholes.
- BC Hydro will obtain the necessary permissions before investigations are completed.
- Foundex Explorations is conducting the drilling.