

FIELD STUDIES INFORMATION SHEET

May – September 2012: Geotechnical Investigations & Instrumentation Monitoring

The Site C Clean Energy Project (Site C) is now in Stage 3, the environmental and regulatory review phase, which will include an independent environmental assessment. Stage 3 work includes conducting environmental and engineering field studies on and around the Peace River between the Williston Reservoir and the Alberta border. Site C is in the early stages of a cooperative environmental assessment process by federal and provincial regulatory agencies, which includes a joint review panel.

To gather more information about ground conditions, BC Hydro is continuing geotechnical investigations at the proposed dam site area. The study will include subsurface investigations between May and September at the dam site. This will involve using a drill rig to drill holes. Prior to the start of any drilling, BC Hydro will carry out archaeological and environmental assessments. In most of the drill holes, geotechnical instruments will be installed to monitor ground movement and groundwater levels.

Geotechnical instruments are installed at approximately 80 sites throughout the reservoir area. These sites are visited approximately every three to six months throughout the year for reading and maintenance. Over the spring and summer months, some instrumentation sites will have data loggers installed. During the first one to three months following, monthly manual readings may be taken to verify that the instruments are functioning correctly. Subsequently, regular inspections, manual readings and maintenance of instrumentation and data loggers will be carried out every three to six months.

To maximize safety and efficiency, helicopters will be used periodically to access the south bank at the dam site for the subsurface investigations, as well as instrumentation sites along the south bank.

This program consists of investigations on both private and Crown land.

BC Hydro will provide notification to BC Hydro leaseholders before entry onto leased lands. Field study updates are available at www.bchydro.com/sitec 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 & INSTRUMENTATION MONITORING May – September 2012

- BC Hydro is conducting geotechnical investigations throughout the project area
- During the 2012 field season this work includes geotechnical drilling at the dam site and instrumentation monitoring throughout the reservoir area
- BC Hydro will obtain the necessary permissions before land is accessed
- Helicopters will be used periodically to access the south bank