

FIELD STUDIES INFORMATION SHEET

April – December 2013 – Geomorphology and Sediment Transport Studies

The Site C Clean Energy Project is currently undergoing a cooperative environmental assessment by the Canadian Environmental Assessment Agency and the B.C. Environmental Assessment Office, which includes a Joint Review Panel process. BC Hydro filed its Environmental Impact Statement (EIS) in January 2013 as part of this process. BC Hydro 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 planning, prepare project permits, and ensure information is gathered with respect to monitoring programs proposed in the EIS.

BC Hydro is continuing geomorphology and sediment transport studies started in 2010, and continued in 2011 and 2012. These studies characterize baseline river geomorphology, or shape of the river channels, and sediment transport rates at sites along the Peace River and its tributaries. Data collected this year will be used to inform mitigation planning on the potential effects of the Site C project on river geomorphology, and specifically, potential changes in water turbidity, fish habitat and areas of erosion or deposition.

In 2013, BC Hydro will continue maintenance and operation of four turbidity monitoring stations which were installed in 2012. These stations are located on either river bank both upstream and downstream of the Site C dam site. In addition, BC Hydro will continue suspended sediment data collection during freshet for the Moberly River and will install new turbidity monitoring stations just upstream of the town of Taylor and at the Spectra water intake. Installation of equipment is planned for April 2013.

Once installed, there are regular site visits between May and December 2013 to collect data, check equipment and perform maintenance. Field crew access will be by boat and foot. BC Hydro has obtained the necessary permissions for entry onto private 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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GEOMORPHOLOGY AND SEDIMENT TRANSPORT STUDIES April – December 2013

- BC Hydro is continuing the geomorphology and sediment transport studies
- Monitoring equipment will be installed at up to seven sites along the Peace River and tributaries
- BC Hydro will obtain the necessary permissions before land is accessed
- Knight Piesold Ltd., Consulting Engineers and Environmental Scientists is leading the work