SITE C CLEAN ENERGY PROJECT

MONTHLY FIELD STUDIES SUMMARY

April 2013

The Site C Clean Energy Project (Site C) is now in Stage 3, the environmental and regulatory review phase, which includes 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.

An overview of studies that will be taking place in April 2013 is below. Additional study activities may occur; notice of these studies will be posted at www.bchydro.com/sitec.

Overview
Engineering Investigations
• Instrumentation Monitoring
Wildlife Studies
• Waterfowl Survey
• Jackfish Lake Moose and Elk Monitoring Program
Physical Environment Studies
• Climate and Air Quality Monitoring

Some field studies may require access to public and private land. BC Hydro will obtain permission before accessing private property and will notify property owners who may be directly impacted by helicopters. Ongoing regular BC Hydro work, in addition to the Site C field study activities outlined here, may be taking place on the Peace River and tributaries. This work is related to BC Hydro's Peace River water license requirements program or other operations work.

Field study updates are available at **www.bchydro.com/sitec** and in the Community Consultation offices in Fort St. John and in the Pearkes Centre in Hudson's Hope.

For further information, please contact:
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April 2013

Study Name	Description	Timing
Engineering Investigations – Instrumentation Monitoring	BC Hydro is continuing instrumentation monitoring in the proposed dam site area. There are approximately 80 sites throughout the reservoir area where geotechnical instruments are installed. These sites are visited approximately every three to six months throughout the year for reading and maintenance. During winter months, snow removal will be required periodically to facilitate vehicle access to the site.	February – April 2013
Wildlife Studies – Waterfowl Survey	BC Hydro is conducting a waterfowl survey on the Peace River from Hudson's Hope to the B.C. - Alberta border. The survey will involve using a low-flying helicopter that will fly slowly over the river to perform an inventory of waterfowl present. The survey will take place once a month in mid-March, mid-April and mid-May and will take place over the course of six hours per day.	March – May 2013
Wildlife Studies – Jackfish Lake Moose and Elk Monitoring Program	BC Hydro is initiating a moose and elk monitoring study on the south bank of the Peace River, around the Jackfish Lake Road area, and in the area of the transmission corridor right-of-way. The first phase of the study, which started in March, involves the capture and outfitting of 32 moose and elk with GPS collars. Aerial net gun capture will be used to capture animals for collaring. Phase II will involve tracking collared animals for up to two years, and phase III, the final phase, will involve removing the collars from the study animals following the monitoring period.	December 2012 – April 2015 *Phase I, capturing and collaring, will occur between December 2012 and April 2013.*

April 2013

Study Name	Description	Timing
Physical Environment Studies - Climate & Air Quality Monitoring	BC Hydro is collecting climate and air quality data from eight monitoring stations on private and BC Hydro owned land between Hudson's Hope and Old Fort, south of Fort St. John, as well as seven climate monitoring stations throughout the Peace River watershed. Information on various climate parameters is being gathered, including: air temperature, humidity, wind speed and direction, fog frequency and density, snow depth and precipitation. Monitoring of particulate matter (mixture of solid particles and liquid droplets in the air) will be conducted at Old Fort and Halfway River. These data were used to establish baseline conditions that informed the effects assessment of the Site C project on in-valley climate and air quality in the area. BC Hydro is continuing to collect the data to verify actual changes should the Project be built and to forecast periods of high tributary inflows for construction planning. Stations are visited regularly to retrieve data and for maintenance. Access to the monitoring stations is by vehicle, foot and helicopter.	Ongoing monitoring from February 2009.

Note: Access to public and private land may be required in order to complete study work. BC Hydro will obtain permission from land owners and provide notification to BC Hydro leaseholders before entry onto private or leased lands.