John Hart Generating Station Replacement Project

September 2014 Community Construction Update Report #15

Prepared by: Stephen Watson, BC Hydro
(O) 250-755-4795 or (C) 250-616-9888
steve.watson@bchydro.com

Project Update And Schedule

BC hydro
FOR GENERATIONS

Project Status Update:

- Construction bridge over penstocks now complete, enabling access to north side portal;
- Tree clearing around north portal, on BC Hydro property, has been completed as prescribed by a professional forester;
- Overburden clearing and removal from site ongoing;
- Digging underway for entrance to south portal, with shotcrete being poured;
- Blasting is expected to begin in October;
- Further geotechnical test drilling for the underground station is underway; and
- New non-public parking site being created on Surge Tower Road, next to the city's water treatment plant.

Estimated schedule from October 2014 – January 2015:

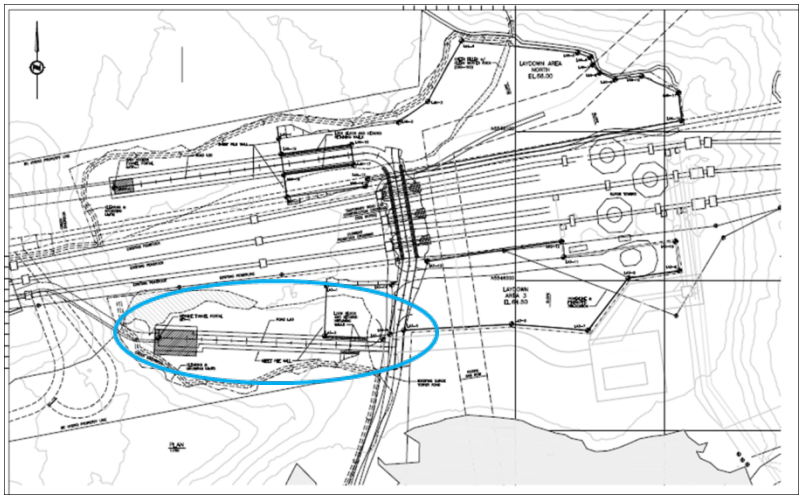
- October: Blasting to begin on site with related truck traffic for hauling;
- November: Blasting expected to move underground;
- October/November: New project office opened at Highway 19a and Highway 28;
- January 2015: Estimated closure date for Brewster Lake Road.

Construction Pictures – Aerial Pictures From Time Lapse Camera

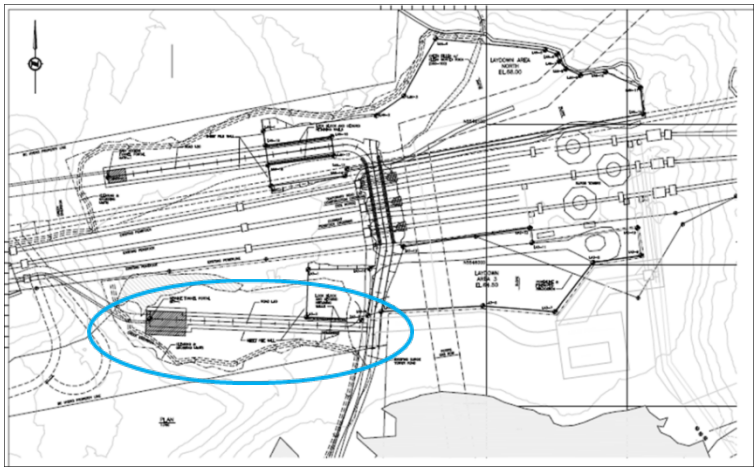
BC hydro
FOR GENERATIONS

Construction Pictures Around the South Portal Entrance

BC hydro
FOR GENERATIONS



Construction Pictures Around the South Portal Entrance



Construction Pictures Around the South Portal Entrance

BC hydro
FOR GENERATIONS

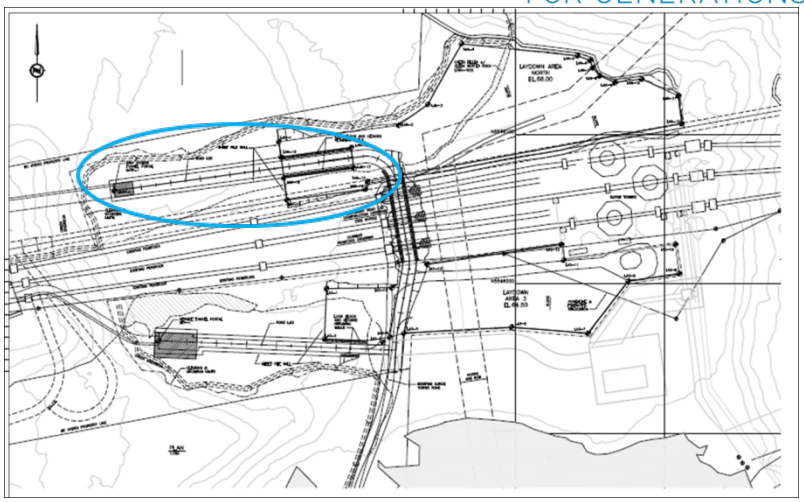
Temporary Construction Bridge over Penstocks

BC hydro
FOR GENERATIONS

Temporary Construction Bridge over Penstocks - Pictures

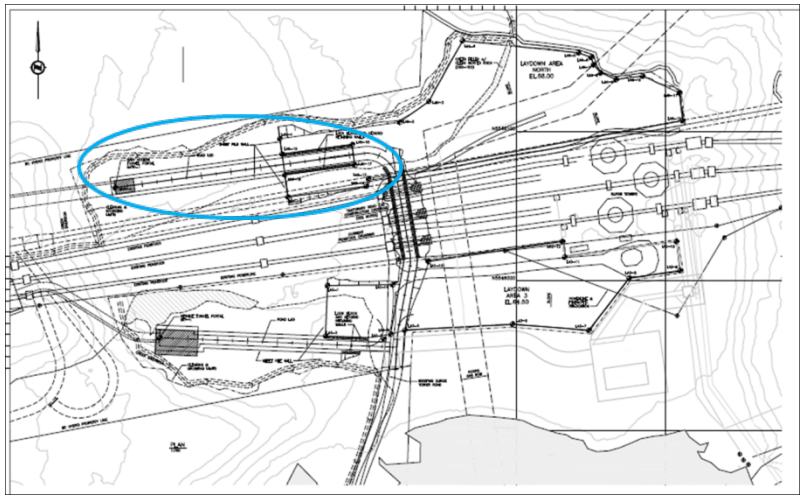
View of construction bridge and building of site electrical substation in foreground, and in right picture.

Construction Pictures Around the North Portal Entrance



Tree removals.

Construction Pictures Around the North Portal Entrance



Site Office – Old Campbellton School Yard

- An off-site parking and office location is required because there is limited parking and laydown at the John Hart site, as well as other considerations such as deliveries and storage, and that this is a five year project. The off-site hub will reduce traffic on Highway 28 as most of the worker traffic is eliminated given the Campbellton parking and busing to the site. A development permit has now been granted by the City of Campbell River for the renovation of the existing buildings and addition of temporary structures.

The site office is planned to be open in October.

Traffic Update

- Increased truck traffic has already begun on Hwy. 28 heading both east and west of Surge Tower Road and the construction site;
- Drivers should be aware of increasing truck turns from site access; and
- These trucks have designated routes that keep them on Hwy 28 and Hwy 19.

Environment – Red-Legged Frog

- The day prior to work starting on certain areas of the project, the project team is required to undertake a wildlife salvage. The focus is on red-legged frogs and other listed species such as Pacific sideband snails;
- An amphibian specialist is brought in to lead the sweep for frogs and other animals. Sweeps this month found no frogs;
- Opportunistic salvages take place when a frog or other animal is found on site and relocated. This month two frogs were found and relocated (as were 60 mice and six bunnies); and
- “I saved a frog” stickers are given to site crews who spot and relocate a red-legged frog or who make another contribution to environmental protection.

An opportunistic find.

Economic Update

- Site workers: About 70 full-time people.

- Additional local contractors and suppliers – Wacor, McElhanney (Campbell River) Safety Net Security and Tower Fencing (Courtenay).

- Hiring Process information update: Details are available at majorprojects.ca and via employment partners such as NIEFS and NVIATS.
  - Information on the Job Seekers file was updated in September to include more information about certain job categories (including safety) and revised contact information; and
  - Information on the Subcontractors and Suppliers Opportunities.

- Events were held in July 2012 and March 2014 to collect contacts and introduce project proponents to local businesses. InPower BC and their main subcontractors have developed resource lists based on those meetings. Company information continues to be collected and added to these lists for future reference. To be included, email johnhartproject@snclavalin.com.
  - As tender opportunities arise, companies will be selected from this database to be contacted.

Local Business Profile – Mainstream Biological Consulting

Background:

A Campbell River-based environmental consulting company with experience working on local BC Hydro projects and complex industrial construction projects across Vancouver Island. The Mainstream Biological team provides a range of services including biological and environmental assessments, environmental management and monitoring for regulatory compliance.

What you may not know about us:

Mainstream is owned and operated by Monica and Lance Stewardson, who both grew up in Campbell River. Monica started the business in the family's den in 2000 and Lance left his previous career as a teacher to help it grow.

Project role:

Mainstream Biological will serve as the independent environmental monitor responsible for overseeing the environmental management plan and ensuring construction activities comply with that plan, permits and other environmental legislation and regulation.

People working:

Four people on Mainstream's staff will be engaged in the part-time contract for the John Hart Generating Station Replacement Project: Monica will act as the lead helping to coordinate a second Registered Professional Biologist (RPBio) and two First Nations environmental monitors.

Local Business Profile – Mainstream Biological Consulting

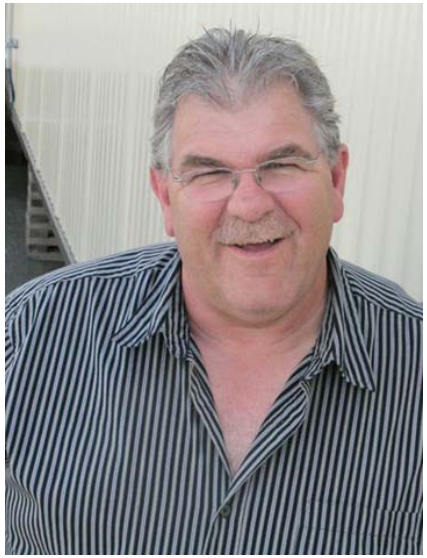
What makes Campbell River a great place to live and work:

For Monica and Lance, it's a great place because it's where they're from. With the ocean, lakes and rivers nearby, they say they can be lost in nature quickly – which they love. As a hub for the North Island, it's also a great location for their business, which provides service to a market previously not provided for by a local business.

Quote:

"Having grown up here in town, the John Hart facility has been a landmark facility – for us, it's exciting to be involved in the construction of a new facility that will be the landmark for the next 60 years."

People Profile – Bob Shelley



About Bob:

Background:

A red-seal heavy equipment mechanic with many additional systems and skills training accomplishments under his belt. Bob has worked throughout Canada and the world in the mining industry with major equipment manufacturers. He commissioned the largest drill in the world. Bob is now the Master Mechanic for Frontier-Kemper, the subcontractor leading the controlled blasting and mining portion of the John Hart project.

Home:

Originally from Newfoundland but has since called many places home. Married to beautiful Wendy for 33 years (and looking forward to the next 33) with two children Tyler and Jenna who live in Edmonton. Bob says Campbell River is now home – despite moving around over the years, they get involved in each place and make each feel permanent.

Hobbies:

Changes over time but currently Bob really enjoys motorcycles, fishing (needs to get a boat), and Arts and Culture. That sometimes is not always the fine arts but it's art, he jokes.

Project responsibility:

To make sure the proper equipment and services are on site and to support the operations with regular maintenance so the equipment runs on schedule, on budget, and in a safe and environmentally friendly manner. He will help to guide and implement the maintenance program .

"Just to be a part of the setup and go through to the finish to see the concrete results and how we contributed to this project. This is the catalyst."

Construction – Point of Interest

Each month, BC Hydro and InPower BC will provide a construction fact, occurrence, or situation.

- The high-tech onsite water treatment facilities are a lifeline of the project and critical to environmental protection during construction work;
- The facility treats water used during excavation to remove sediments and bring pH levels into compliance with BC water regulations;
- The water is closely monitored and then released back into the environment;
- The systems are adaptable to increase in size as more water needs to be treated and larger tanks are required; and
- In years past, this kind of treatment work would have been done using settling ponds. The new equipment creates a more reliable system with a much smaller footprint.