

John Hart Generating Station Replacement Project

June 2014 Community Construction Update Report #12

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Approximate Project Schedule

July-December 2014

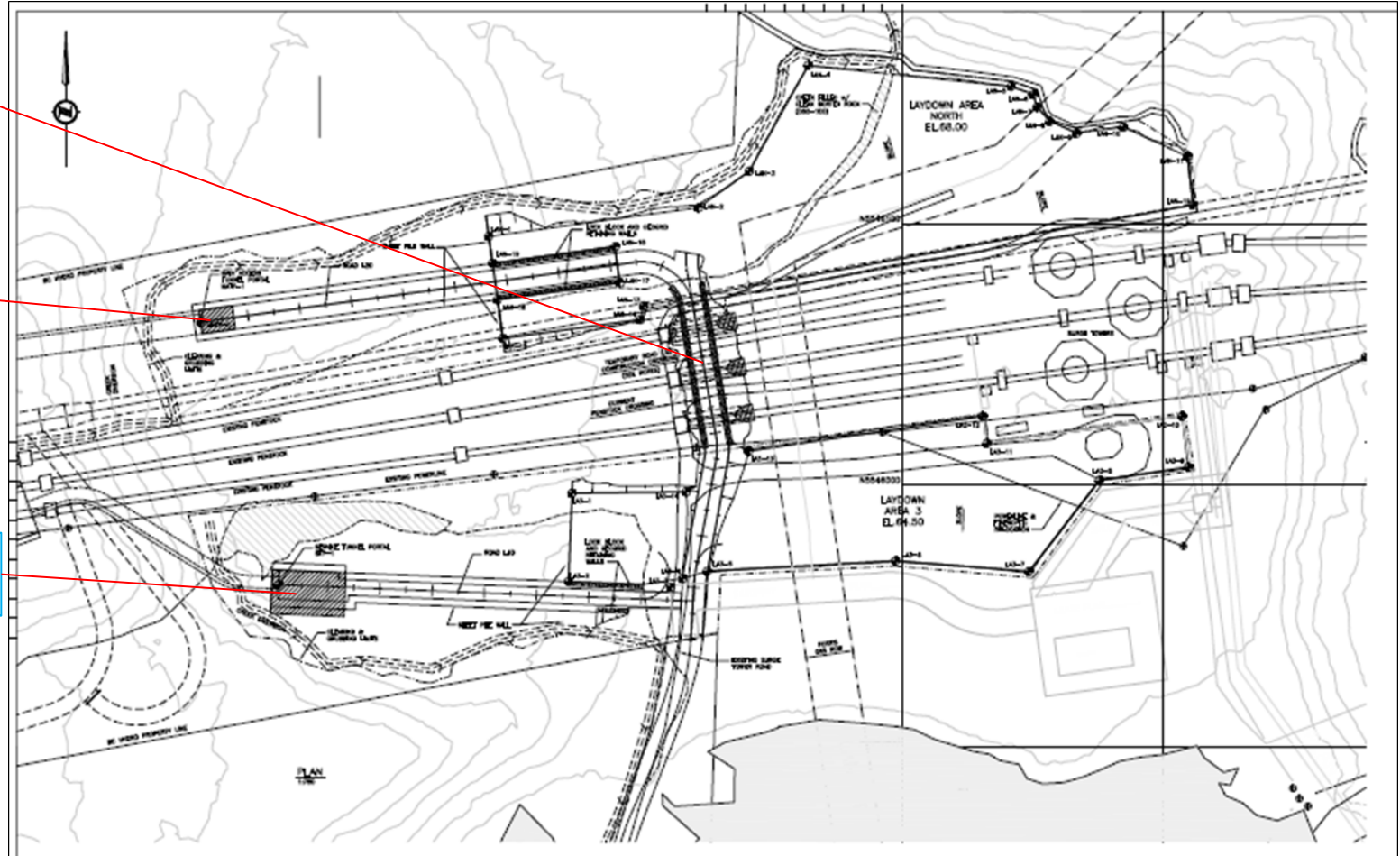
- June/July: Tree and overburden work;
- July: Bridge over the penstock;
- July: Blasting starts aboveground;
- August/September: Blasting moves underground;
- October: Start of underground rock tunneling; and
- Estimated work schedule
 - Two shifts, for a total of 20 hours per day
 - It will start off being five days a week.



The first “ground breaking” on June 23 with brush removals for the preparatory works.

InPower is getting ready to clear the area for the tunnel entrances upstream of the surge towers. It will involve removing a mix of underbrush and trees, and the soils sitting above the rock. This will need to be dug out before the tunnel work in rock can begin in October.

The Two Underground Portals



Bridge over the penstocks

North Portal

South Portal

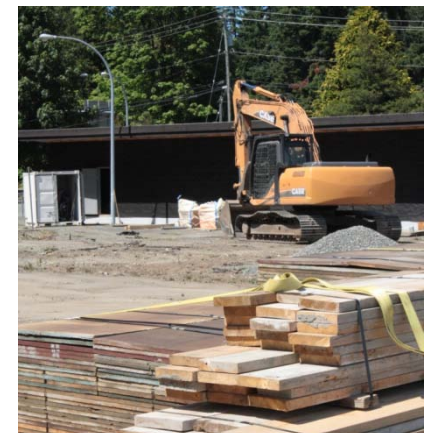
Plan of the site design for the two underground portals, located up the penstock corridor from the surge towers (three circles).

Construction Work Has Begun

- Site access and preparation: brush clearing;
- Building a construction vehicle bridge over the penstock;
 - Bridge will be constructed with half-arched culverts that will be trucked to site;
 - Main purpose of bridge is to provide vehicle access to the north side of the penstocks;
 - The finished bridge will be approximately 9.5 metres wide; and
 - Bridge construction to take about 2-4 weeks.
- Utility relocations include fibre optic cables and power lines; and
- Preparing for July blasting (during the day). Blasting permit granted from the City of Campbell River. Blasting begins aboveground for about two months then moves underground.
 - On June 24, BC Hydro and InPower BC provided a City Council presentation on requested amendments to noise and blasting bylaws. The presentation can be viewed here: <http://www.campbellriver.ca/your-city-hall/city-council/council-meetings/webcast/archives/lists/meeting-archives/2014-council-meeting-archives>
 - On June 24, City Council granted the John Hart project a noise variance
 - On June 24, City Council initiated the process to consider amendments to the City blasting bylaw that would permit blasting on the site 24/7. The public will have an opportunity to comment on the proposed amendments on July 8, and Council will make its decision on July 22.

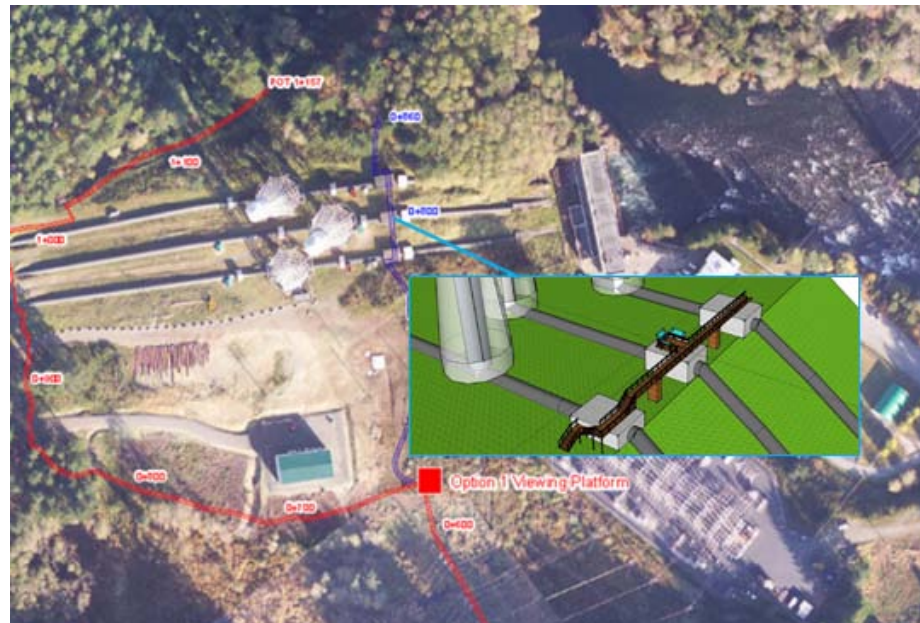
Temporary Project Site Office Has Been Selected

- InPower BC was originally looking to situate their site office in the lower John Hart property. After review, it was best to go off-site given the proximity of an ideal location;
- The project site office area will be at the old Campbellton School yard, at the intersection of Highway 28 and Highway 19;
 - InPower has secured a lease agreement for this approximate 7 acre site and is working with the City of Campbell River on permitting;
- This will be the area where workers will arrive to then be bussed to the construction site. This will significantly limit the vehicle traffic to and from the John Hart site. The public parking lot beside the generating station may remain open for the duration of project construction; and
- InPower BC expects the site office area to be ready in September or October, in time for the rock tunneling stage of the project.



Station View Trail

- The trail was closed on June 23;
- Trail (red) will be relocated about 200 metres downstream of current location where it crosses the three penstocks. The relocated trail (blue) will go along the plateau edge from the current interpretive kiosk to the penstocks just below the three white surge towers; and
- The new re-alignment will offer great views upstream to the two portals and downstream over the generating station and the Campbell River. The trail may re-open in mid-August. The Canyon View Trail remains open during this period.



Economic Opportunities

- With the work beginning, a list of local subcontractors working on project is beginning to grow: Mainstream Biological, Upland Excavating, Zinc Communications and Greencoast Media.
- The Project Union Labour Agreement is now finalized:
 - Agreement now in place, based on 1965 Treaty Dams Hydro labour agreement;
 - Benefits of agreement;
 - All trades are under one umbrella agreement;
 - Fair/high rates;
 - Equity provision (gender, aboriginal peoples, persons from visible minority groups, and persons with disabilities);
 - Local hiring provision (hire union workers in 90km radius first, then outside);
 - If not in union, can join union to work on project; and
 - Simplified hiring via union hall model;
 - InPower BC is developing the process for the hiring contacts, and this will soon be posted at majorprojects.ca web site.
- Progress continues in preparing hiring agreements that will ensure project jobs awarded and tendered in a fair way. Watch for more information in July about what this means for local contractors, labourers, and interested groups.

People Profile – Amber Ashenhurst

About Amber:

- **Background:**

A MSc in Ecology and Environmental Biology (University of Alberta). She has worked in environmental consulting for a long time, and prior to that worked as a park naturalist and kayak guide. This is her third civil hydroelectric project.

Home:

She now lives in Campbell River with her family. Amber has also lived and worked in BC, Alberta, Alaska and the NWT.

Hobbies:

Hiking, kayaking, skiing (both x-country and telemark), knitting, and reading (especially to her kids).

- **Project responsibility:**

As InPower BC's Environmental Manager, she will be responsible for the day-to-day implementation of the Construction Environmental Management plan (CEMP), and auditing and reporting on the performance of the project work relative to the CEMP, environmental laws, the terms and conditions of all permits under environmental laws, and the requirements of the project contract with BC Hydro. She is employed by Hatfield Consultants, who is one of InPower BC's subcontractors on the project.

“It will be wonderful to watch this amazing project unfold. I enjoy being the scientist amongst engineers, and have a wonderful time engaging them about the environment. The environmental standard of this project is the most rigorous I have ever experienced. I am looking forward to working with these many knowledgeable and passionate people in the successful achievement of this project. It will be incredible to be part of the project from contract award right through to operation.”



Construction – Point of Interest

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

Red Legged Frog fencing/screen, recapture and relocation:

- A red-legged frog management plan has been completed and is being implemented to create a safe passageway for frogs moving through the site;
- Drift fencing is being installed in areas to prevent frogs from entering the work area and to redirect them back into their wetland. These fences are installed primarily for redirection and prevention;
- A qualified environmental professional (QEP) has provided direction for the installation of the fence and a permit is in place for a QEP to be able to salvage and opportunistically handle red-legged frogs if needed; and
- Drift fencing will be maintained throughout the project to ensure they remain in place and functional.

