

John Hart Generating Station Replacement Project

December 2013 - January 2014 Community Construction Update Report #8

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Overview

BC Hydro and SNC-Lavalin Inc. plan to sign the project contract in February.

BC Hydro, SNC-Lavalin, the Campbell River Chamber of Commerce, the Vancouver Island Construction Association and the North Island Employment Foundations Society are working together to hold a business event in Campbell River. The event, in March, will allow for qualified construction contractors and suppliers, and individual job seekers, to hear more about the project and be able to engage on the potential opportunities. More information, including required event registration, will be provided in February and found at: <http://cr.majorprojects.ca>.

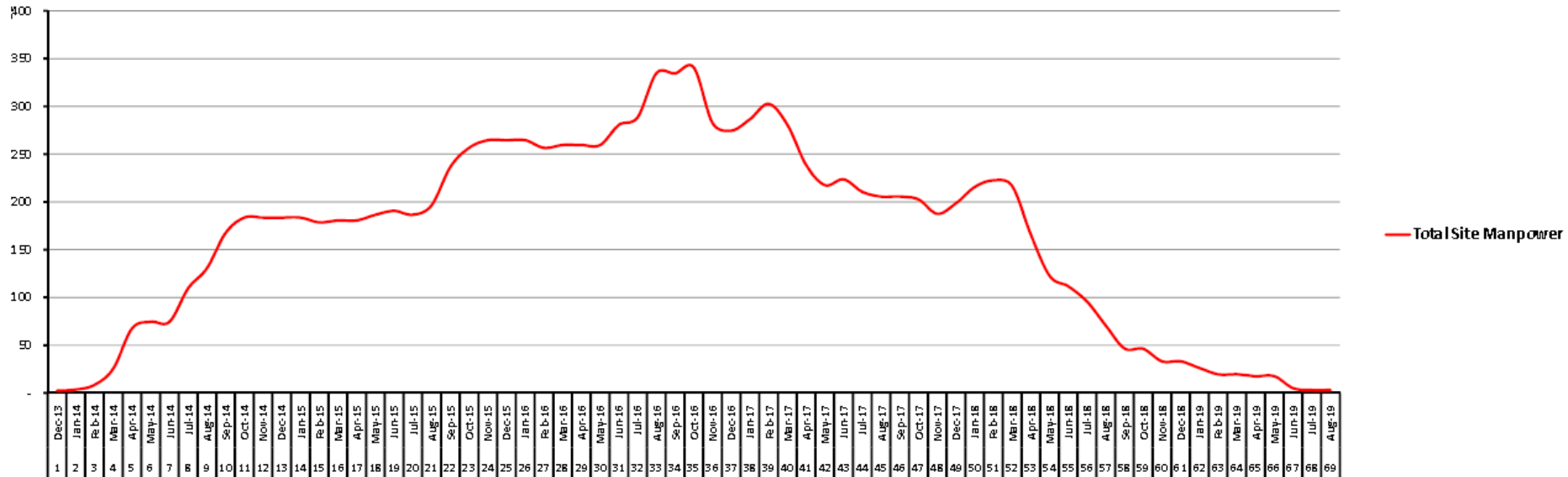
Project update information and discussion is encouraged at the John Hart Project Interpretive Centre, off Brewster Lake Rd.



Overview

This project is high on the radar screen not just locally and on Vancouver Island, but in Western Canada. There is a lot of interest in potential jobs. BC Hydro and SNC-Lavalin are working together to provide the timing, format, and means for people to compete for those opportunities. As a start, SNC has provided a preliminary forecast of monthly jobs over the construction period (note it does not include existing facility decommissioning jobs near the end of the project, nor about a dozen BC Hydro site jobs).

John Hart - Total Site Monthly Manpower



Overview

The design that SNC-Lavalin has provided has less materials and work given all the new facilities are being placed underground. For example:

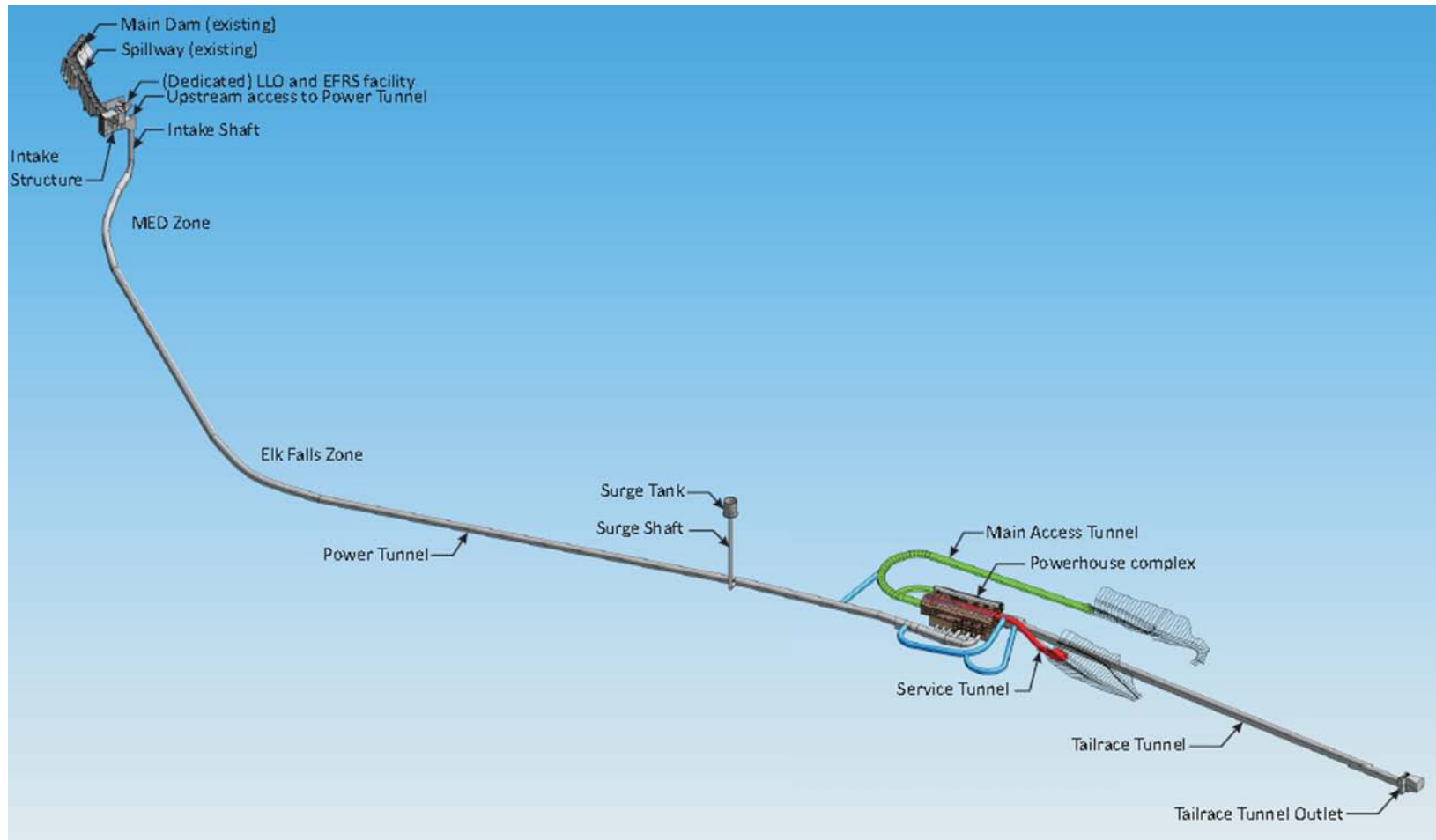
- The generating station and water bypass facility will be carved out of the rock, so there is less concrete needed as the rock will provide for the forming;
- Confined spaces of the 8.1-metre diameter tunnel along with the generating station area will mean specialised machines for controlled blasting and drilling; and
- Some of the ancillary project work, such as site security jobs, will be less given the work is subsurface.

For the first 18 months, starting around April, the project will resemble a mining operation in taking out the rock, with a lot of trucks moving the rock around the site as well as entering and leaving the site. Work will then shift to building the new facilities in 2016.

The number of people working at the John Hart site will build to about 200 people by the end of this year and peak at about 340 in 2016. This is different than the 400 jobs estimate provided a few years ago based on a partly above-ground generating station design.

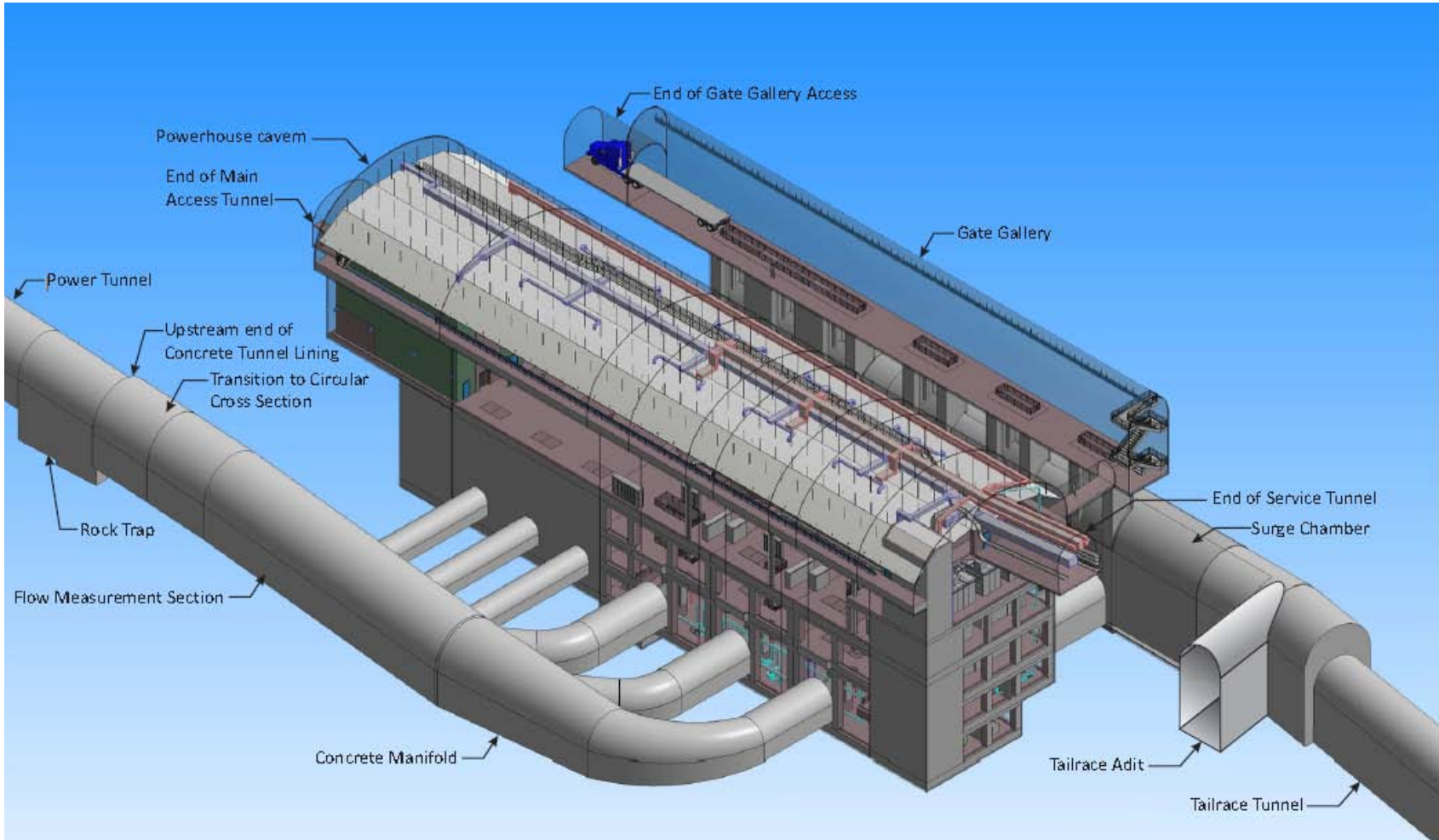
Overview – Rendering of the Design

SNC-Lavalin is coordinating the project out its Vancouver office, including working with their international team members on the specialised design and fabrication of key components like the generators and turbines.



Note: The blue-colour tunnels help with the rock excavation process, then will be blocked off.

Overview - Rendering of the Facility Design

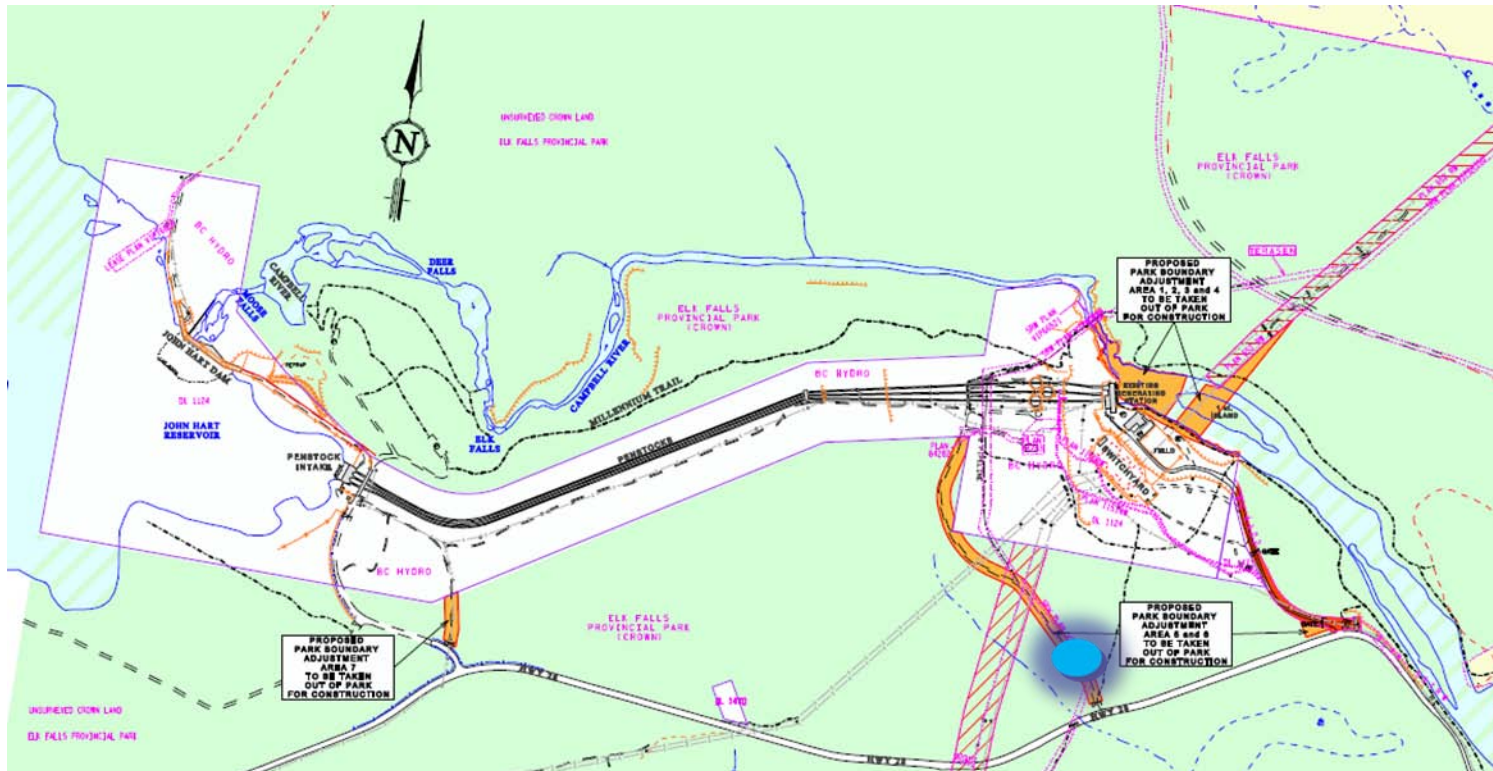


Accommodation: There is community interest in housing rentals to project crews, administration and management. A few points:

- There will be no work camps;
- There is no database being kept on accommodation;
- It will be up to the individual workers to obtain their own accommodation; and
- Consider that a significant number of project workers may be local.

Early Works - Surge Tower Rd

- Limited work was done to Surge Tower Road (see blue dot below) in 2013 but that has now changed as we prepare for project construction. This road will be a major haul route in and out of the site.
- Upland Excavating started work the week of January 20 to prepare the road for good two-way truck movement.



Surge Tower Rd – Construction Photos



There will be about 4-5 construction equipment operators, and about 3-4 dump trucks leaving and entering the site. This road work will sustain up to 15 jobs until completion.

People Profile – Diane McSherry

About Diane:

- **Background:**

BC Hydro's Project Director for the John Hart project. Worked for BC Hydro for 13 years, with Generation Project Delivery for the past 7 years. Formerly with BC Transmission Corporation. Has worked in retail, consulting and energy industries. She has a CGA and MBA.

- **Home:**

Born in the United Kingdom and emigrated to Canada in 1989. Now lives in Vancouver.

- **Hobbies:**

Skiing, hiking, and driving my kids to numerous activities.

- **Project responsibility:**

As Project Director she is responsible for all elements of the project.



“It has been a challenging and very complicated project over the past six years to ultimately arrive at the right project solution. I am very pleased with what the team has achieved. The project has made key milestones with the biggest one being next month with the project contract signing with SNC-Lavalin and their wider team members like AECOM and Frontier-Kemper. I am excited that the project is moving forward and construction will be commencing.”

Construction – Point of Interest

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

In February or March, SNC-Lavalin will be drilling within the John Hart pipeline corridor right above where the new generating station and water bypass facility will be housed, 70-100 metres below the surface. The purposes of the drilling is to better understand the rock consistency and location for when the major drilling and controlled blasting work starts later this year.

The drilling will take place near the blue dot area.

