

Phase 2 of the Campbell River Water Supply Upgrade Project is now in the final design phase. The following Questions and Answers are intended to provide an overview of the project.

1. What is the project?

Work under this project involves the relocation of the City's water supply required as a result of BC Hydro's John Hart Redevelopment Project. This includes re-connecting the City's water source at John Hart Lake to the Elk Falls Water Quality Centre (EFWQC). The City and BC Hydro have collaboratively developed a project plan that will see the City work delivered under two separate projects generally described as a new large diameter transmission main connected to a new intake structure. Phase 2 of the project involves designing and building an intake structure with pump station into the John Hart Lake.

2. Where is the project?

The location of the intake structure is at John Hart Lake, adjacent to the Brewster Lake Road bridge with the new watermain connecting to the EFWQC via Highway 28.

3. When is the phase 2 construction work going to take place?

Phase 2 construction work will commence in the spring of 2016 and be complete by the end of 2017.

4. What is the cost of the project?

The approved budget for all work being delivered by the City is \$16.6m.

5. How is the project being funded?

The project is being funded through a partnership agreement with BC Hydro which sees the costs being split with BC Hydro responsible for 75% of total costs and the City responsible for 25% of total costs. The City's portion will be funded by a combination of Accumulated Surplus and Debt.

6. Who has been involved in developing the plans?

Stantec Consulting Ltd. is the lead consultant with a team of sub consultants undertaking all design.

7. Who will be constructing the work?

Phase 1 work is being delivered by Upland Contracting Ltd., with Phase 2 work anticipated to be tendered in late fall 2015.

8. How will traffic be managed during construction?

The Contractor is required to develop and submit for approval a detailed traffic management plan. The work associated with the second phase will lead to traffic impacts on Brewster Lake Road at the Highway 28 entrance to BC Hydro's John Hart site. Please visit the City's website page for updates regarding traffic related impacts.



9. Have the project plans changed?

In mid 2015, the City was asked to review the BC Hydro work during which the City suggested, and BC Hydro accepted, a modification to the original project plan; this will see the City delivering the BC Hydro work. This modification removes the new section of watermain to be installed by BC Hydro through Elk Falls Provincial Park connecting the existing ultra violet treatment facility to the new pipeline and replaces it with an extension of the pipeline on the Highway 28 to connect at the existing chlorination building. This will allow the existing ultra violet and chlorination facilities to be consolidated at the new pump station located at John Hart Lake allowing for treatment directly at the source.

10. Will the City have more responsibility now with the relocation of the ultra violet plant?

This expands the City project scope and provides both increased efficiencies during construction but also long term benefit in streamlining operations, and the benefit of consolidating all water intake and treatment facilities in one location.

11. What is onsite sodium hypochlorite generation?

On-site sodium hypochlorite generation is a proven, cost-effective, reliable and safe alternative disinfection treatment method that will replace chlorine gas with low concentration sodium hypochlorite. On-site generated sodium hypochlorite is stable and easier to handle resulting in less risk to the operations staff; additionally, less chlorine is lost to the atmosphere because of better mixing and retention in the treated water.

12. Who will supply the new on-site sodium hypochlorite generation system?

Tender no. 792 was conducted and awarded to Severn Trent De Nora, LLC, for the purchase of the sodium hypochlorite generation equipment. The installation of the equipment will be incorporated into the new treatment/pump station building.

13. Has the cost of the project changed?

The total approved project budget is now at \$22.4m, with BC Hydro and the City continuing to share 75/25% responsibility for the first \$16.6m and BC Hydro 100% responsible for the additional \$5.8m.

14. Will the City still rely on BC Hydro for the water supply?

No, the City will establish a new lake intake and the water supply will now be independent of BC Hydro's system.

15. Will it cost the City more for water now?

No, the City's water license entitles the City to the water we require.

16. When will the new water system be online?

The new water system is scheduled to be up and running by the end of 2017.



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