



# VILLAGE OF BELCARRA

*"Between Forest and Sea"*

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## **Belcarra Potable Water Infrastructure Project Update**

Since the November 2009 update on the water project, progress on a number of items has been made, making it timely to give project highlights and the to-do's leading to construction.

Given the scope of work, construction, and specific levels of expertise needed to complete the project, a strategy to separate the works into 4 areas of discipline is being pursued.

The project can be categorized into 4 phases:

1. Marine works being the underwater twinned watermains from the District of North Vancouver (DNV) to the Village of Belcarra (Belcarra);
2. Decommissioning the Dutchman Creek Reservoir and increasing the capacity of the Tatlow Reservoir;
3. Complete terrestrial water main infrastructure to serve the properties located within the Local Area Service which includes service connection vaults for each property; and.
4. Valve kiosks, pressure reducing and lift stations in DNV and Belcarra.

Staff remains the lead in this project, and working with a team of consultants we are in a position to initiate tendering in the late spring with construction to follow in the summer.

Perhaps not as obvious as digging watermain trenches or installing service connections, the tasks which must be done to satisfy the various agency requirements and to obtain the required approvals are as equally important as reaching our construction goal.

Since our last status report the following tasks have been completed:

- Preliminary consultative meetings with the Vancouver Fraser Port Authority and the Burrard Environmental Review Committee;
- Receipt of signed "agreement" from the Federal and BC Provincial Governments affirming design and environmental mitigation requirements;
- Receipt of foreshore and intertidal survey of the proposed watermain;
- Receipt of Disposal At Sea Permit under the Canadian Environmental Act;
- Receipt of Fisheries Act Authorization for Works or Undertakings affecting Fish Habitat;
- Receipt permits issued by the Provincial Archaeological Branch - the Site Alteration Permit (for works in DNV) and the Heritage Inspection Permit (for works in Belcarra);
- Adoption of the requisite Local Area Service Establishment and Loan Authorization Bylaw;
- Revised design detail for DNV infrastructure upgrades;
- Supplier meetings to review a number of water meter features suitable for Belcarra;
- Field survey works necessary to prepare a final terrestrial design; and
- Receipt of Port Metro Vancouver Project Permit # 2008-076.

### **Next Steps During the Upcoming Few Months Include:**

- Hold DNV and Belcarra Public Information Meeting regarding construction;
- Prepare design and procedures to satisfy Fraser Health and North Shore Health;
- Synchronize Belcarra Public Works projects with proposed water main construction;
- Finalize remote read, water meter specifications;
- Conduct marine and terrestrial contractor consultations;
- Finalize design and tender documents;

- Undertake project tender and construction award process;
- Continue training and education of staff for certified operator of a water distribution system;  
and
- Prepare service connection construction bylaws and standards.

Please contact Larry Scott or me if there's additional information we can provide.

Lynda Floyd  
Chief Administrative Officer