



### Building Canada Fund - Communities Component Application Report

<b>Project Number:</b>	26044
<b>Application Status:</b>	Submitted
<b>Current Date:</b>	2011-08-08

<b>SECTION I - MUNICIPAL APPLICANT OR SPONSOR</b>		
<b>Legal Name of Applicant/Sponsor:</b> Regional District of Central Okanagan		
<b>Municipal Code/Band No.:</b>	<b>Municipal Type:</b> Regional District	
<b>Street Address/P.O. Box No.:</b> 1450 KLO Rd	<b>Street Address/P.O. Box No. (additional):</b>	
<b>Town/City:</b> Kelowna	<b>Province:</b> British Columbia	<b>Postal Code:</b> V1W 3Z4
<b>Contact Given/Family Name:</b> Chris Radford		
<b>Contact Position:</b> Infrastructure Services Coordinator	<b>Language Preference:</b> English	
<b>Street Address/P.O. Box No.:</b> 1450 KLO Rd	<b>Street Address/P.O. Box No. (additional):</b>	
<b>Town/City:</b> Kelowna	<b>Province:</b> British Columbia	<b>Postal Code:</b> V1W 3Z4
<b>Telephone No.:</b> (250) 469-6237	<b>Fax No.:</b>	<b>Email Address:</b> chris.radford@cord.bc.ca

* Is the project consistent with all applicable land-use and resource management plans?	Yes
* Has the project tender been awarded?	No
* Has construction started?	No
* Does the project involve federal or provincial owned assets?	No
* Will the project be planned, constructed and operated in a manner that takes into account risks related to extreme natural events and/or climate change?	Yes

SECTION III - PROJECT SUB-CATEGORY	
Primary Project Sub-Category:	Drinking water distribution systems
% of Net Eligible Costs to this Project Sub-Category?:	100
Primary Asset Code:	Water systems distribution: Trunk distribution mains, water lines, hydrants

Project Screening Criteria
<b>Category:</b> Water Infrastructure
<i>Building Canada promotes long-term funding for water infrastructure projects designed to: Improve the safety, management, reliability and efficiency of Canada's drinking water treatment and distribution systems; Increase the number of households with access to safe drinking water that meets or exceeds the Guidelines for Canadian Drinking Water Quality; Improve protection and management of drinking water sources; Improve conservation of water.</i>
If the project involves new construction or material rehabilitation of a drinking water treatment plant, please affirm that the drinking water quality, following completion of the project, will meet or exceed provincial standards.
Yes
Full life cycle cost accounting in respect of water infrastructure assets.
Yes
An integrated watershed management plan.
No
Are user fees or metering for residential or commercial projects implemented?
Yes
Will full cost pricing be implemented?
Yes
If no, how will cost recovery be pursued and how will capital and operating and maintenance shortfalls be addressed?
N/A
Explanation:

SECTION IV - PROJECT BENEFITS	
Do you intend to upload a Cost Benefit Analysis or other study with your application?	No
Project Benefits	Applicable Benefit?
(1) Increased number of households provided with access to improved drinking water quality	Yes
(2) Improved quality of drinking water	Yes
(3) Increased number of households equipped with residential metering	Yes
(4) Increased service reliability of water treatment and distribution facilities	Yes
(5)	
<b>Additional Benefits:</b> • Achieve the required fireflows and fire protection reserves for the service area.	

SECTION V -TIMELINES AND RATIONALE	
<i>Timelines or milestones represent key dates in the project when progress is achieved (such as the completion of a phase or a component of the project) and should be provided for projects whose construction time is expected to last beyond one year. A description of each milestone and its anticipated completion should be provided.</i>	
<b>Project Start Date:</b> 2009-06-01	<b>Project End Date:</b> 2011-12-31
<b>Tender Date:</b> 2010-01-01	
<b>Construction Start Date:</b> 2010-03-01	<b>Construction End Date:</b> 2011-11-01

Project Rationale
1. What are the specific problems or objectives that this project will address?
<i>This section should provide a synopsis of what is happening currently within the municipality or region and what might happen if no action is taken at this time. Make sure that you define the business opportunity/problem in clear terms. If statistical information is available to support this business case then state what and where it can be found. It should describe the history and the current state of affairs giving rise to the general business problem and thus the need for the project.</i>
<ul style="list-style-type: none"> <li>• Currently residents are required to haul water year round from other areas that may or may not be monitored as safe potable water. There is also a lack of nearby fire fighting facilities &amp; equipment for these communities; and</li> <li>• The creation of community water systems will ensure reliability and safety and eliminate duplication of small storage tanks, personal trucking of water and additional energy requirements.</li> </ul>
2. How would your project address these specific problems or objectives?
<i>This section should indicate how the project would improve or fix the problem stated in the "Project Rationale" section. It should explain why Federal - Provincial funding is required to enable the project to proceed, increase its scope (size) or allow it to proceed earlier than originally planned. Include a brief explanation of a) how the project supports the local development plan for the community and b) how the project will affect the social, economic and/or natural environment of the municipality.</i>
The construction of a new community water system will provide residents with a safe, potable water supply and infrastructure required for fire suppression to Regional District subdivision standards. The water quality will also meet the objectives set out by Interior-Health and the Canadian Drinking Water guidelines.
3. What alternatives to the proposed solution have been considered?
<i>Describe the alternatives considered.</i>
Feasibility of source and delivery have been examined. The Engineer reports are attached to the application and include: Groundwater investigations.
4. Does this project contribute to a sustainable environment?
<i>Indicate how the project will contribute to a sustainable environment.</i>
Yes, the construction of a water system will ensure that the community will be served by a single community system, not requiring duplication of small storage tanks, personal trucking of water, additional energy requirements. The efficiencies of a community water system will definitely contribute to a sustainable environment.
5. Describe any innovative technology that will be employed during the realization of the project.
<i>Provide details on the technology to be incorporated in to the proposed project. Focus on new approaches, best practices and whether the project uses the best available technologies (that are economically feasible) or innovation to address the problem.</i>
The project will include water quality monitoring devices and controls to ensure that objectives are met to public health concerns and efficiencies of resources. Through on line field devices integrated into the SCADA systems, operators will be able to control, monitor and record water quality data and consumption.
6. What are the significant project risks and what is your strategy to mitigate those risks?
<i>Risks are uncertainties or constraints that may prevent the project from completing on time, on budget, or in its original scope. Few projects are completely without risk, however, most successful projects manage or mitigate their risks through good planning and on going management. Indicate any known risks (such as short construction season, possible uncertainties in building site that might</i>

Total Net Project Cost:

6,086,266.00

Groundwater Study	Fintry-Delta Groundwater Feasibility.zip	2009-04-08
Detailed Cost Estimates	Upper FintryShalal RdValley of the Sun Water System.xls	2009-04-08
Westside Joint Water Committee	http___www.wjwc.pdf	2009-04-08
Regional District Website Re: Water Education and Programs	RDCO WAtEr Page.pdf	2009-04-08
Northwest Side Water Report - FINAL	Northwest Side Water Report - FINAL.pdf	2009-04-08
Financial Plan	Upper_FintryShalal_RdValley_of_the_Sun_Water_System_5_year_Financial_Plan1.pdf	2009-04-20
Board Resolution	Board_Resolution_Upper_Fintry_Shalal_Rd_Valley_of_the_Sun.pdf	2009-04-20
Drinking Water Form	DRINKING_WATER_Form_April_7_2009.doc	2009-04-20