

# Memo



**Date:** Jan.22/10  
**File:** 0610-51  
**To:** City Manager  
**From:** Strategic Projects Manager  
**Subject:** Okanagan Basin Water Board Water Conservation and Quality Improvement Grants

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## **Recommendation:**

THAT Council endorses the applications to the Okanagan Basin Water Board (OBWB) Water Conservation and Quality Improvement Grants for the following:

- Source Water Protection Plan for City of Kelowna Water Supply ;
- Mill Creek Restoration Plan;
- Grey Water Recycling Plan;
- Landscape and Irrigation Pilot (City Parks) Assessment and Plan;

And THAT Council also provides a letter of support to the Okanagan Basin Water Board for the following project:

- Valley-wide Goose Egg Adling Program

## **Background:**

The purpose of the Okanagan Basin Water Board's Water Conservation and Quality Improvement Grant Initiative is to assist local government in addressing issues that enhance the valley-wide sustainable use of water. As part of the application process, all applications must be accompanied by a Board or Council resolution from the respective Regional District Board and/or Municipal Council. This includes applications from local governments and all non-profit/community groups or improvement districts.

The following applications will be submitted to the OBWB for the February 19th deadline:

### Source Water Protection Planning for City of Kelowna Water Supply

The City of Kelowna is required under its Water Utility Operational Certificate to develop a Source Water Protection Plan in consultation with Interior Health and stakeholders. The source water for our water utility is Okanagan Lake. A source water protection plan is required for the City's Filtration Deferral Application in progress with Interior Health. Deferring the costs of future filtration through protection of our Okanagan Lake intake source water is a priority for our Water Utility.

### Mill Creek Restoration Plan

Mill Creek has been the subject of numerous studies and work over the years however the works to date need to be compiled and a plan developed that addresses the City objectives for this creek corridor. City Infrastructure Planning projects in the near term and in the future will require that mitigation and compensation is likely necessary to meet creek corridor objectives.

### Grey Water Recycling Plan

Reuse of high quality, treated grey water is a growing trend both globally and within the Okanagan Water Basin area. This grant application is to complete a work plan that will outline the scope of a subsequent infrastructure project by identification of suitable applications and regulatory requirements. Public

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consultation and risk analysis will provide a foundation for an ongoing education component that will promote support for project implementation.

#### Irrigation Systems Assessment & Strategy

Over the past two years the Parks Division has worked closely with the Water Utility to find ways to meet a 15% water reduction target. This initiative (Irrigation Systems Assessment & Strategy) is directed towards finding and implementing best practices and ways to achieve water use reductions and efficiencies related to parks irrigation systems. It has been determined that the best way to achieve the target is a complete assessment of all park irrigation systems to determine the feasibility of installing centrally controlled weather-based timers. In addition, park design standards and maintenance practices must be upgraded to achieve the water conservation goals.

Further, the City of Kelowna has been asked for a letter of support to accompany a grant application to the Okanagan Basin Water Board:

Valley-wide Canada Goose Egg Adling Program: this program is proposed to be funded by taxpayers on a basin wide population basis to a total of \$150,000. Funding assistance from the OBWB will assist this program to limit the Canada goose population and their impact on Okanagan Lake beaches, improving water quality for swimming and drinking water.

#### **Internal Circulation:**

Utility Services Manager  
Environment & Land Use Manager Infrastructure Planning Director

#### **Legal/Statutory Authority:**

Chapter 7 of the Official Community Plan.

#### **Existing Policy:**

From the Official Community Plan:

- Section 7.2.2 Water Smart Public Education Program
- Section 7.2.3 Xeriscape Landscaping
- Section 7.3.9 Development of Watershed Management Plans
- Section 7.8.5 Aquatic Habitat Restoration Feasibility Plans

#### **Financial/Budgetary Considerations:**

The City of Kelowna's contribution to these projects is already accounted for within existing budgets approved in the 2010 Financial Plan.

#### **External Agency/Public Comments:**

The Interior Health Authority has provided a letter of support for the Source Water Protection Plan.

Considerations not applicable to this report:

Legal/statutory Procedural Requirements:

Financial/Budgetary Considerations:

Personnel Implications:

Technical Requirements:

Communications Considerations:

Alternate Recommendation:

Submitted by:



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Mark Watt, Infrastructure Planning Project Manager

Approved for inclusion:



Director Infrastructure Planning

CC: General Manager, Community Sustainability  
General Manager, Citizen Services  
Lorna Gunn, Grants Manager, Strategic Initiatives  
Don Degen, Utilities Manager, Civic Operations  
Terry Barton, Parks & Public Places Manager  
Jason Ough, Utilities Technician  
Neal Klassen WaterSmart



# Interior Health

January 27, 2010

Genevieve Dunbar  
Office & Grants Administrator  
Okanagan Basin Water Board  
1450 KLO Road  
Kelowna BC V1W 3Z4

Dear Genevieve Dunbar:

**Subject: Application to Okanagan Basin Water Board for Funding  
Source Protection Planning – City of Kelowna**

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Please accept this letter from Interior Health which strongly supports the City of Kelowna in its effort to evaluate and preserve its water source. The City of Kelowna has indicated their intent to apply for funding under the Okanagan Basin Water Board Conservation and Quality Initiatives Grants. If funding is approved, this project will allow the City of Kelowna to complete a Source Assessment of the City of Kelowna drinking water intakes including components of the Comprehensive Drinking Water Source to Tap Assessment. Through this process, the City will identify/characterize threats to their drinking water intakes, rank those threats based on risk and propose protection initiatives that will supplement projects currently underway to protect and manage drinking water.

It should also be noted that a source assessment / protection plan is the first step in the multi barrier approach to safe drinking water as described in the Provincial Health Officers report, "Progress on the Action Plan for Safe Drinking Water in British Columbia". It is also well recognized that water system improvements lower the incidence of intestinal illness in the community.

This water system has been proactive in providing safe water to its customers through the implementation of treatment & distribution upgrades, water quality and process monitoring, providing trained staff, initiating water conservation projects and securing its distribution system through a well managed cross connection program. Interior Health strongly supports the City of Kelowna in their effort to better protect and manage drinking water in the City of Kelowna water service area. Safe potable water makes sense from a public health, economic, lifestyle and community investment standpoint.

Yours truly,

Bryn Lord, BSc., BTech., CPHI(C)  
Water Quality Specialist

cc: Mark Watt, City of Kelowna  
Don Degen, City of Kelowna  
Dr Paul Hasselback, Interior Health  
Solvej Patschke, Ministry of Environment

INTERIOR HEALTH AUTHORITY  
Environmental Health Protection  
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