



# Agua Consulting Inc.

"Engineered Water Solutions"

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November 1, 2007

Black Mountain Irrigation District  
285 Gray Road  
Kelowna, BC  
V1X 1W8

Attention: Mr. Gordon Ivans, Chairman, Board of Trustees

**Re: 2007 Capital Works Plan Update**

Dear Gordon:

We are pleased to present our "2007 Capital Works Plan Update" for the Black Mountain Irrigation District (BMID). The report provides a summary of proposed water distribution system and treatment upgrades plus a plan for the development of additional storage in the upper Mission Creek watershed. The plan provides an integrated approach which maximizes the use of high quality raw water from the Graystoke area of Mission Creek.

This plan for water development is flexible and has significant benefits for BMID customers, including improved safety of supply with the use of ultraviolet disinfection, securing of long term higher quality source water through the construction of additional storage, and improving BMID's adaptation capacity in the event of extended droughts. A key component of the plan is the construction of Black Mountain Reservoir in the Gopher Flats Valley which has been in the plans for BMID for many years. The reservoir will allow for improved management of the water from Mission Creek and should also benefit the fish flows in the lower reaches of the creek.

A comprehensive economic model was developed as part of the financial plan to achieve the improvements. We are recommending that BMID follows the project implementation approach in the order presented. The plan provides the basis for water quality improvements as requested by our regulator, the Interior Health Authority. It also provides the basis for validating the capital expenditure charge increases recommended for BMID.

We are available to advise you on the implementation of this plan for the district.

Yours truly,

**Agua Consulting Inc.**

Bob Hrasko, P.Eng.  
Principal  
RJH/rh

cc: Board of Trustees

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