

STATE OF COLORADO

Colorado Water Conservation Board Department of Natural Resources

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TO: Colorado Water Conservation Board Members

FROM: Todd Doherty
Water Supply Planning Section

DATE: November 5, 2012

SUBJECT: **Agenda Item 17e, November 13-14, 2012 Board Meeting**
Finance – Construction Fund Referred Non-Reimbursable Investments
SWSI 2016

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

Jennifer L. Gimbel
CWCB Director

Staff Recommendation

Staff recommends that the Board request the General Assembly to authorize \$225,000 from the Construction Fund to be appropriated to the Department of Natural Resources for allocation to the CWCB to begin implementation of the Statewide Water Supply 2016 update.

Background

The CWCB's Water Supply Planning Section is responsible for the long-range statewide water planning activities and helps ensure the support of two critical efforts: (1) the Interbasin Compact Process (IBCC and the nine Basin Roundtables) and (2) updates to the Statewide Water Supply Initiative. The IBCC is currently engaged in a scenario planning and adaptive management planning effort for which the Water Supply Planning Section is supporting through staff and consulting assistance. Staff is also in the beginning phases of the SWSI 2016 update. In SWSI 2010, the CWCB recommended the establishment of a 6-year planning cycle for assessing Colorado's long-term consumptive and non-consumptive water needs. Since SWSI 2010, staff has received requests to re-examine the methodologies used to analyze the M&I, agricultural and non-consumptive water demands as well as consideration of varying hydrologic analyses (i.e. wet, average and dry years), climate change and drought planning. As indicated in the schedule presented below, staff is just beginning the process of evaluating the SWSI methodologies.

Major Tasks and Schedule for SWSI 2016 Update

Tasks	2012	2013	2014	2015	2016
Evaluate & Finalize Methodologies					
(M&I, Ag, Environ) Water Needs					
Hydrologic Analyses/Climate Variability					
Incorporate Basin Plans					
Gap Analysis					
Board/Public Review					
Finalize SWSI 2016					

Water Project Construction Program – Project Data
Non-Reimbursable Investment

Applicant: Todd Doherty, Water Supply Planning Section

Project Name: SWSI 2016

Project Type: Water Resources Planning Study

County: Numerous **Drainage Basin:** Statewide

Water Source: All river basins

Total Study Cost: \$2,500,000 (estimate); requesting \$225,000 with this application

Funding Sources: CWCB Construction Fund

Type of Applicant: Grant

Median Household Income: N/A

CWCB Investment: The CWCB is just beginning to undertake the SWSI 2016 efforts and at this time, no investments have been made.

Past use of the Funds: The CWCB has undertaken three major efforts related to SWSI. In 2004, the CWCB adopted the SWSI Phase 1 with an approximate cost of \$2,700,000. SWSI Phase 2 was adopted by the CWCB in 2007 and costs approximately \$1,000,000. SWSI 2010 was adopted in January 2011 by the CWCB and costs approximately \$2,000,000. These projects were funded through the CWCB's Projects Bills (HB03-110 and HB05-084) and agency funds.

Current Request: This request is for funding to begin the analysis associated with the SWSI 2016 update. This includes an examination of the methodologies utilized in past versions of SWSI (2004 & 2010), consideration of additional analyses (e.g. climate change, drought planning) and recalculation of the water supply gap. **For FY 2013/2014, an appropriation of \$225,000 is being sought from the Construction Fund to begin implementation SWSI 2016.**