



TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, Finance Section

DATE: November 15-16, 2017 Board Meeting

AGENDA ITEM: 26 a-b. Water Plan Grants - Storage Projects
Final Consideration

Introduction

The items and grant amounts listed below were presented by staff for initial consideration at the September 2017 Board Meeting in Walden Colorado. The Board provided feedback and support for final consideration at this Board Meeting. No changes have been made to the recommended level of grant funding.

The Storage category started at \$3 million in available funds. With the final approval of the applications listed below, this Water Plan Grant category will have \$2,115,740 available for future applications.

Staff Recommendation

Staff recommends Board Approval of the projects/activities listed in the following table for Water Plan Grant funding.

Applicant	Project Name	% of Project Costs	Grant Amount
a. City of Walsenburg *	City Lake Dam Enlargement	12%	\$804,000
b. Colorado River Water Conservation District	West Divide Yield	50%	\$80,260
		Total	\$884,260

* Indicates items which will include a presentation by the applicant

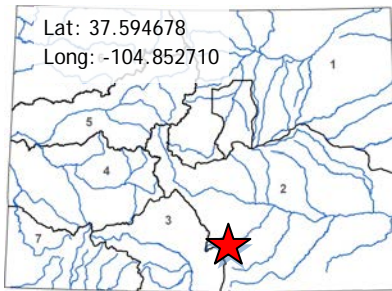
Staff additionally recommends the following approval condition for item 26b: Prior to executing a grant contract, the City of Walsenburg must provide the CWCB with an executed Intergovernmental Agreement (IGA) between the City and the Huerfano County Water Conservancy District regarding future use of the enlarged storage capacity at City Lake by March 15, 2018. If the IGA is not executed by December 31, 2017, the City must provide a status report to CWCB staff so an update can be presented to the Board at the January 2018 meeting. If the IGA is not executed by March 15, 2018, the Board will reconsider the grant authorization so funds can be used for other storage projects.

See attached Data Sheets for locations and summaries.





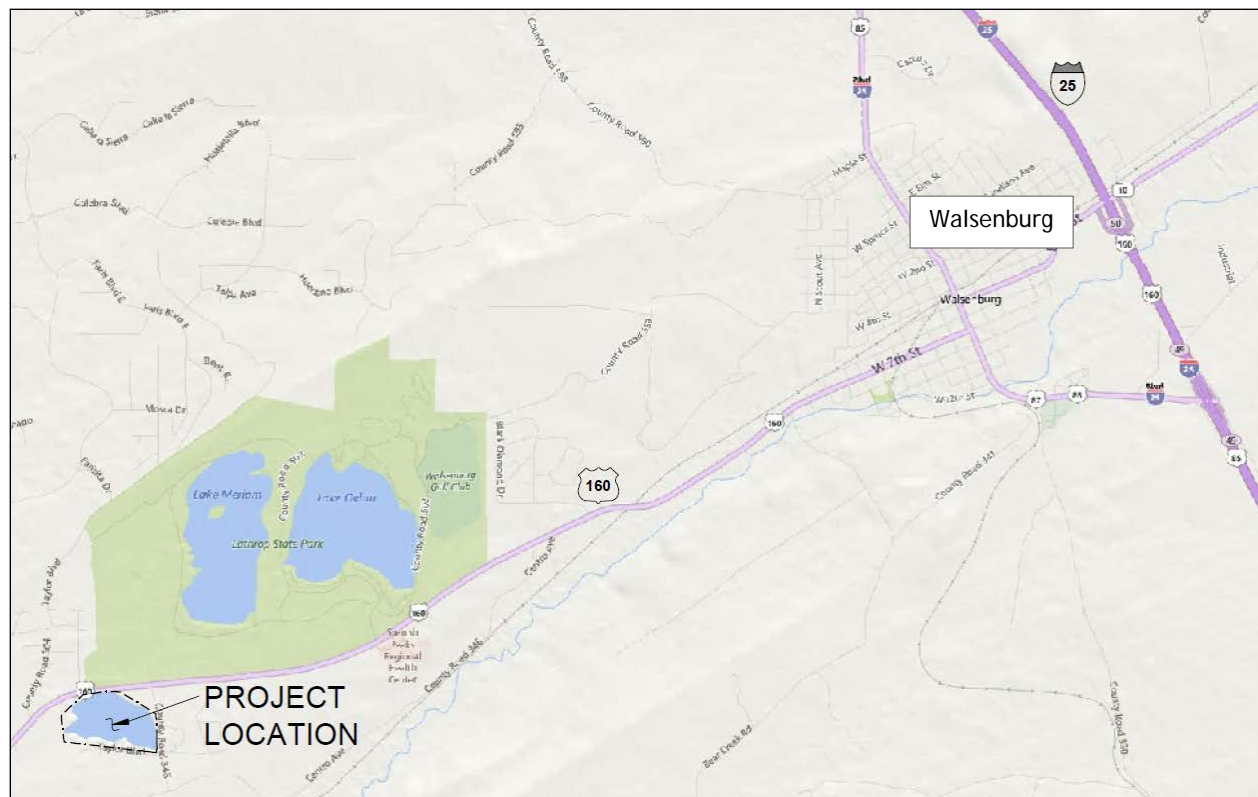
Water Plan Grant Application



L O C A T I O N	
County/Countries:	Huerfano
Drainage Basin:	Arkansas

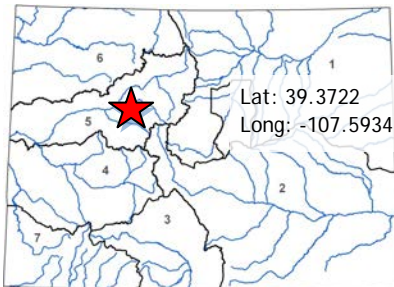
D E T A I L S	
Total Project Cost:	\$6,821,000
Water Plan Grant Request:	\$804,000
Other CWCB Funding:	\$6,017,000
Other Funding Amount:	\$0
Applicant Match:	\$6,017,000
Project Type(s):	Construction
Project Category(Categories):	Storage, Supply & Demand Gap
Measurable Result:	120 acre-feet of new storage

Walsenburg's City Lake Dam is currently under a reservoir storage restriction and a mandatory dam safety compliance plan imposed by the Dam Safety Branch of the Office of the State Engineer. RJH Consultants, Inc, has determined, through a number of previously completed investigations and analyses, that the most cost-effective rehabilitation option is to completely remove the existing dam and build a new dam, that meets all current dam safety design criteria, in the same location as the existing dam. The City, in conjunction with other local water users and entities who will have shared access to the new storage, has the desire to raise the existing dam height by three (3) vertical feet and create approximately 120 acre-feet of new and additional storage in the reservoir. The Water Plan grant funding will be used for the design, permitting and construction of the three-foot dam height raise.





Water Plan Grant Application



L O C A T I O N	
County/Countries:	Garfield/Mesa
Drainage Basin:	Colorado

D E T A I L S	
Total Project Cost:	\$160,520
Water Plan Grant Request:	\$80,260
Other CWCB Funding:	\$0
Other Funding Amount:	\$80,260
Applicant Match:	\$80,260
Project Type(s): Study	
Project Category(Categories): Storage	
Measurable Result:	9000-16500 AF new storage

The work being proposed will build a feasibility study of Kendig Reservoir. The study of the contemplated reservoir was completed through a Water Supply Reserve Fund Grant. It found the yield to be highly variable from year to year with the only source of water being West Divide Creek. This grant will fund increased streamflow monitoring in the Divide Creek area where West Divide Water Conservancy District holds conditional direct flow and storage water rights. Currently there is only stream measurement gage in the area. Because the originally contemplated supplies have been abandoned, there is a need to quantify the additional yield that can be obtained from within the basin. In addition to yield analysis, alternative dam alignments have created the need to reinvestigate canal alignments to deliver water via gravity flow into the Kendig alternatives. Potential services areas will also be delineated. It is anticipated that 9,000 to 16,500 acre-feet of new storage could be created through the construction of Kendig Reservoir.

