



## COLORADO

### Colorado Water Conservation Board

Department of Natural Resources

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Jared Polis, Governor

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TO: Colorado Water Conservation Board

FROM: Brian Macpherson, Decision Support System Specialist  
Interstate, Federal, and Water Information Section

DATE: November 16, 2022 CWCB Board Meeting

ITEM: 15b. 2023 Projects Bill - Non-Reimbursible Project Investments  
(3) DWR Mobile Field Data Collection App

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#### Staff Recommendation

Staff recommends that the Board approve \$800,000 in funding from the Construction Fund in the 2023 Projects Bill to be allocated to the Division of Water Resources (DWR) to develop the DWR Mobile Field Data Collection App.

#### Introduction

DWR is responsible for administering water in compliance with Colorado state statutes, decrees of the water court, and interstate compacts. This involves distributing water based on the priority system, while maximizing the beneficial use of water and avoiding injury to senior appropriators or violation of Compacts with surrounding States. Accomplishing this requires collection of significant amount of data by water commissioners and other field staff. This data is input into HydroBase, the database shared by DWR and the CWCB under Colorado's Decision Support Systems (CDSS).

#### Discussion

The purpose of this grant application is to obtain funding to enable the Division of Water Resources (DWR) to contract with an application development vendor to create a mobile application (iOS and Android) that will allow DWR staff to perform the many tasks they perform in the field more efficiently. The project would create an effective mobile field data collection application for DWR staff to use when collecting diversion records, dry-up verification, measuring device evaluations, meter tests, well inspections, dam inspections, etc. This is needed because currently DWR staff use a variety of paper and electronic processes to input this data into DWR's system and enable office staff to make decisions. Having a mobile device solution that can populate data in HydroBase and load documents into Laserfiche will allow DWR to provide more real-time data.

This project would provide benefits across the State of Colorado in the form of more real-time data acquisition and administration, which will result in maximizing the beneficial use of water under the priority system and interstate compacts. DWR staff in the seven division and Denver offices are responsible for collecting many types of data in the field in order to fulfill the Division and State Engineer's statutory responsibility to manage Colorado's water resources.





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P R O J E C T D E T A I L S	
<i>Project Cost:</i>	\$800,000
<i>NRI Funding Request:</i>	\$800,000
<i>Funding Source:</i>	Construction Fund
<i>Project Type:</i>	DWR Data Collection
<i>Type of Grantee:</i>	State Agency

L O C A T I O N	
<i>Benefits:</i>	Statewide
<i>Water Source:</i>	Various
<i>Drainage Basin:</i>	All Basins

