



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 Members

FROM: Kirk Russell, P.E., Finance Section Chief

DATE: May 19-20, 2021, Board Meeting

AGENDA ITEM: 26. Dam Safety Branch

This is an Information Only Item:

Bill McCormick, PE, Chief of the Dam Safety Branch, will provide an update on projects funded by the Board over the last few years. These investments are advancing the goals of the Colorado Water Plan in many ways. Bill will provide a presentation on the progress and the future needs in the area of dam safety.



MEMORANDUM

To: Kirk Russell, CWCB Finance Section Chief
From: Bill McCormick, Chief - Colorado Dam Safety Branch
Date: May 7, 2021
Subject: CWCB May 20, 2021 Board Meeting, Dam Safety ROI Presentation Outline

Purpose and Scope

CWCB has made significant investments in Colorado Dam Safety Branch activities over the last decade. Investments have contributed to advances in the program in the interests of both public safety and maximization of water storage to support the goals of the Colorado Water Plan. The following is an accounting of those investments per program area.

CWCB Grants for Dam Safety				
Program	Year	Project name	Grant Amount	Totals
Inundation Mapping	2011	Inundation Mapping grants	\$16,000	
	2012		\$48,400	
	2013		\$42,950	
	2014		\$39,000	
	2015		\$50,000	
	2016		\$9,200	
	2017		\$50,000	
	2018		\$30,000	
	2019		\$20,000	\$305,550
Extreme Precipitation	2013	EPAT Verification	\$95,000	
	2015	CO-NM REPS	\$1,200,000	\$1,295,000
Risk Analysis	2013	Consequence and Vulnerability	\$13,000	
	2016	Records Digitization	\$20,000	
	2016	HH Dam Release Database	\$50,000	
	2018	Comprehensive Dam Safety Evaluations	\$30,000	
	2019	Comprehensive Dam Safety Evaluations	\$30,000	\$143,000
Mtn Hydrology	2019	CSU Mountain Hydrology Study	\$50,000	\$50,000
Total CWCB Investment			\$1,793,550	

The presentation of this data to the CWCB Board will include a discussion of the return on this investment, including dollars leveraged against CWCB grants, and discussion of the cost savings realized as a result of these projects. A discussion of future investments opportunities to continue to reduce dam safety risk and increase water storage will also be included.

