



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

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TO: Colorado Water Conservation Board Members

FROM: Ben Wade
Water Supply Planning Section

DATE: November 3, 2020

AGENDA ITEM: 19(a-b)

Staff Recommendation - Action Items: WSRF Grant Request:

A summary of staff's recommendation for each WSRF application is provided in the first component of the attached table. If applicable, the table also includes a breakdown of match amounts for applications that include a request for Statewide Account WSRF funds.

Favorable recommendations may be contingent on providing the CWCB with additional information, clarifications, or modifications in the scope of work. Please refer to the Water Activity Summary Sheets contained within this agenda item to find a summary of staff's review and any conditions associated with each recommendation.

Background:

For this agenda item, the Board is provided with a brief overview of applications to the Water Supply Reserve Fund (WSRF). Attachments to this memo include:

- Summary spreadsheet detailing funding requests for the basin and statewide accounts;
- Summary spreadsheet displaying current WSRF Balance Summary of Fund Appropriations and Receipts by Fiscal Year, and Fund Distribution by Basin and Statewide Account.
- Water Activity Summary Sheets, which provide an overview, discussion, issues/additional needs, and staff recommendation regarding funding, partial funding, or not funding the applications.

Staff's review of the applications involves the following steps:

- 1) Applications are reviewed for completeness based on the information requirements, which are primarily outlined in the Criteria and Guidelines (C&G).
- 2) Applications are reviewed to verify that the water activity meets the eligibility requirements in Section 39-29-108 (III) C.R.S. (C&G, Part 2) and the threshold criteria, which are based on the requirements of Section 39-29-108 (III) C.R.S., and two sections of the Water for the 21st Century Act (House Bill 1177);



Section 37-75-102 and Section 37-75-104(2)(c) (C&G, Part 3). Staff also verifies that the applicant was an eligible entity to receive funding (C&G, Part 2).

- 3) Staff then prepares the Water Activity Summary Sheet which documents the outcome of the review process and contains staff's recommendations.

Water Supply Reserve Fund Balance Summary and Project Status Report:

To provide the Board updates on the status of specific Water Supply Reserve Fund grant applications and projects, staff can provide a status report of the following information upon request:

- List of completed WSRF projects;
- List of WSRF projects in progress; and
- List of WSRF projects in the contracting and procurement process.



COLORADO WATER CONSERVATION BOARD
Water Supply Reserve Fund - Balance Summary
NOVEMBER 2020

Updated 11/04/2020

Fund Appropriation and Receipts				
Fiscal Year	Legislative Appropriation	Funds Received	Statewide Account	Basin Account
2006/2007	\$10,000,000	\$10,000,000	\$5,500,000	\$4,500,000
2007/2008	\$6,000,000	\$6,000,000	\$4,200,000	\$1,800,000
2008/2009	\$10,000,000	\$7,000,000	\$4,300,000	\$2,700,000
2009/2010	\$5,775,000	\$5,775,000	\$4,215,750	\$1,559,250
2010/2011	\$6,000,000	\$6,000,000	\$4,380,000	\$1,620,000
2011/2012	\$7,000,000	\$7,000,000	\$4,732,000	\$2,268,000
2012/2013	\$10,000,000	\$7,157,724	\$4,580,943	\$2,576,781
2013/2014	\$10,000,000	\$10,091,639	\$6,458,649	\$3,632,990
2014/2015	\$10,000,000	\$10,000,000	\$6,400,000	\$3,600,000
2015/2016	\$10,000,000	\$9,103,590	\$5,826,298	\$3,277,292
2016/2017 (FY2017)	\$0	\$0	\$0	\$0
2017/2018 (FY2018)	\$10,000,000	\$1,455,776	\$931,697	\$524,079
2017/2018 CF (FY2018)	\$0	\$7,000,000	\$4,480,000	\$2,520,000
2018/2019 CF (FY2019)	\$0	\$3,544,884	\$2,268,726	\$1,276,158
2019/2020 (FY2020)	\$10,000,000	\$10,000,000	\$6,400,000	\$3,600,000
2020/2021 (FY2021)	\$2,500,000	\$2,500,000	\$1,600,000	\$900,000
Interest	N/A	\$2,857,935	\$3,541,544	
<small>(Prior Years Interest Adjustment 2007-2014 and FY2015, FY2016, FY2017)</small>				
FY 2018 Interest	N/A	\$ 376,467	\$376,467	\$0
FY 2019 Interest	N/A	\$ 431,589	\$431,589	\$0
FY 2020 Interest	N/A	\$ 558,732	\$558,732	\$0
FY 2021 Interest	N/A	\$ 62,058	\$62,058	\$0
TOTAL	\$107,275,000	\$106,915,394	\$71,244,453	\$36,354,551

Note: The WSRF is a Severance Tax "Tier II" program & CF Funding with 40% of funds distributed on July 1, 30% on January 1, and the final 30% on April 1. In FY 2008/2009 the final 30% installment of \$3,000,000 was not received due to the State's budgetary shortfall.

*In January 2012 interest for the program from its inception to date was credited directly to the Statewide Account.
Interest from January 2012 on is regularly calculated by the Treasury and credited to the Statewide Account.*

Fund Distribution					
Basin	Approved Basin Grants	Total Basin Funds	Basin Account Balance	Approved State Grants	Statewide Account Balance
Arkansas	\$3,607,149	\$4,039,395	\$432,246	\$ 12,733,703	
Colorado*	\$3,694,779	\$4,039,395	\$344,616	\$ 6,508,889	
Southwest *	\$3,596,144	\$4,039,395	\$443,251	\$ 8,876,036	
Gunnison *	\$3,671,957	\$4,039,395	\$367,438	\$ 6,866,607	
Metro *	\$3,249,801	\$4,039,395	\$789,594	\$ 7,656,532	
North Platte	\$3,035,888	\$4,039,395	\$1,003,507	\$ 842,844	
Rio Grande*	\$3,788,048	\$4,039,395	\$251,347	\$ 13,104,635	
South Platte *	\$3,412,530	\$4,039,395	\$626,865	\$ 7,968,627	
Yampa/White	\$3,296,104	\$4,039,395	\$743,291	\$ 997,969	
TOTAL	\$31,352,400	\$36,354,551	\$5,002,155	\$65,555,841	\$5,688,612
TOTAL APPROVED GRANTS					\$96,908,241

Note: Only includes grants approved by CWCB

* Comments reflect adjustments to balances

WSRF Applications for Consideration at the November 2020 CWCB Board Meeting													
Agenda Item	Basin	Applicant/Grantee	Name of Water Activity	Basin(s) Account Request	Statewide Account Requests	Total Request	Non-WSRF Cash Match	Non-WSRF In-Kind Match	Non-WSRF Total Match	Statewide Match (Basin & Non-WSRF)	Total Project Costs	Staff Recommendations	PM
19a	North Platte	Michigan River Water Conservancy District	Meadow Creek Reservoir Capacity Study	\$11,342	\$0	\$11,342	\$3,780.27	\$0	\$3,780.27	\$0	\$15,122.27	Staff recommends approval of up to \$11,342 from the North Platte Basin Acct.	Ben Wade
Sub-Totals				\$11,342	\$0	\$11,342							
Loan/Grant Combo													
19b	Colorado	Lateral Ditch ML47 Inc	Lateral Ditch ML47 Lateral Ditch Improvement Project	\$8,000	\$0	\$8,000	\$692,000	\$0	\$692,000	\$0	\$700,000	Staff recommends approval of up to \$8,000 from the Colorado Basin Account.	Cole Bedford
Totals				\$19,342	\$0	\$19,342							

Basin	Basin Account Requests	Statewide Account Requests	Total Requests	Current Basin Account Balances	Remaining Basin Account Balances (if all requests approved)	Current Statewide Account Balance	Remaining Statewide Account Balance
Arkansas Basin	\$0	\$0	\$0	\$432,246	\$432,246		
Colorado Basin	\$8,000	\$0	\$8,000	\$344,616	\$336,616		
Gunnsion Basin	\$0	\$0	\$0	\$367,438	\$367,438		
Metro	\$0	\$0	\$0	\$789,594	\$789,594		
North Platte	\$11,342	\$0	\$11,342	\$1,003,507	\$992,165	\$5,688,612	\$5,688,612
Rio Grande	\$0	\$0	\$0	\$251,347	\$251,347		
Southwest	\$0	\$0	\$0	\$443,251	\$443,251		
South Platte	\$0	\$0	\$0	\$626,865	\$626,865		
Yampa/White/Green	\$0	\$0	\$0	\$743,291	\$743,291		
Water Supply Reserve Fund Total Requests	\$19,342	\$0	\$19,342	\$5,002,155	\$ 4,982,813		

**Water Supply Reserve Fund
Water Activity Summary Sheet
November 18-19, 2020
Agenda Item 19a**

Applicant & Grantee: Michigan River Water Conservancy District
Water Activity Name: Hydrographic Survey of Meadow Creek Reservoir
Water Activity Purpose: Agricultural - Study
County: Jackson
Drainage Basin: North Platte
Water Source: Meadow Creek Reservoir
Amount Requested: \$11,342 North Platte Basin Account
Matching Funds: Basin Account Match = \$3,780.27
• 25% of Basin Account request (meets 25% min)

Staff Recommendation:
Staff recommends approval of up to \$11,342 from the North Platte Basin Account to help fund the project: Hydrographic Survey of Meadow Creek Reservoir

Water Activity Summary: If approved, grant funds would be used for a Hydrographic Survey of Meadow Creek Reservoir to determine the current volume of water stored in the reservoir. The reservoir has a storage right for 5,000 acre feet, and shares in the reservoir amount to 4,200 acre feet. By identifying how much water the reservoir contains beyond what is already allocated, the applicant will be able to meet other water demands among current and new shareholders. Currently, Meadow Creek Reservoir supplies 3,000 acre feet to irrigated pasture along Michigan Creek, and 1,200 acre feet to the City of Fort Collins for municipal use.

The underwater survey will use hydrographic survey vessels and sonic depth recording equipment interfaced with a real-time GPS that provides continuous sounding positions throughout the underwater portion of the reservoir covered by the survey vessel. The survey system software continuously records reservoir depths and horizontal coordinates as the survey boat moves along closely-spaced grid lines covering the reservoir area. The survey vessels guidance system gives directions to the boat operator to assist in maintaining the course along these predetermined lines.

For the analysis orthographic aerial images will be used from the USDA data web site to find surface areas and develop reservoir contours. This data, along with the hydrographic sonar data are then used to develop storage-elevation relationships using area-capacity computer programming.

Discussion: The applicant suggests this study will assist the North Platte Basin Roundtable and the Water Plan in achieving the goal to enhance and maintain storage within the basin.

Issues/Additional Needs: None

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Sources/Match	Cash	In-Kind	Total	Status
Michigan River Water Conservancy District	\$3,780.27	\$0	\$3,780.27	Secured
Sub-total Matching Funds	\$3,780.27	\$0	\$3,780.27	
WSRF North Platte Account	\$11,342	\$0	\$11,342	Secured
Total Project Costs	\$15,122.27	\$0	\$15,122,27	

CWCB Project Manager: Ben Wade

**Water Supply Reserve Fund
Water Activity Summary Sheet
November 18-19, 2020
Agenda Item 19(b)**

Applicant & Grantee: Lateral Ditch ML47 Inc.
Water Activity Name: Lateral Ditch ML47 lateral Improvement Project
Water Activity Purpose: Agricultural
County: Mesa
Drainage Basin: Colorado
Water Source: Colorado River/Grand Irrigation Co Canal System
Amount Requested: \$8,000 Colorado Basin Account
Matching Funds: Applicant Match = \$692,000 (cash)

- 98.8% of Basin Account request (meets 25% min)

Staff Recommendation:

Staff recommends approval of up to \$8,000 from the Colorado Basin Account to help fund the project titled: Lateral Ditch ML47 lateral Improvement Project
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Water Activity Summary: The applicant would use WSRF Funds to replace a 44 year old, degraded concrete irrigation ditch and construct a approximately pressurized underground pipe system. Both the main lateral and several sub laterals will be piped.

The water source is from the Grand Valley Irrigation Company (GVIC) canal system. There are 340 GVIC shares assigned to Lateral ML47. The lateral serves approximately 350 acres irrigating crops which include, alfalfa, corn, grass hay, and lawns. There are 27 turnouts on the system. Approximately 24 of these are agricultural turnouts and 3 are residential turnouts. Approximately 14,680 feet of pipe will be installed. No dedicated habitat improvements will be installed, however lands disturbed by construction will be reseeded.

The applicant expects deep percolation and surface return flows to the Colorado River will decrease and they estimate this may cause a decrease in salinity load and may improve habitat for endangered fish species in the river.

Discussion: The proposed piping project is consistent with the Roundtable's Basin Implementation Plan and Colorado's Water Plan as it supports viable agricultural production and allows the company to continue to receive more efficient delivery of its pre-Compact water rights.

Issues/Additional Needs: None

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Sources/Match	Cash	In-Kind	Total	Status
Delta Conservation District (via USBR Funding)	\$537,950	\$0	\$537,950	Secured
CWCB Loan	\$154,050	\$0	\$154,050	Secured
Sub-Total Matching Funds	\$692,000	\$0	\$692,000	
WSRF Colorado Basin Account	\$8,000	\$0	8,000	Secured
Total Project Costs	\$700,000	\$0	\$700,000	

CWCB Project Manager: Cole Bedford