

RESOURCE AND ENGINEERING PLANNING COMMITTEE

MINUTES

April 6, 2023

A meeting of the Resource and Engineering Planning Committee was held on Thursday, April 6, 2023, at 10:00 a.m. at the District Office, 31717 United Avenue, Pueblo, Colorado and via Zoom virtual meeting.

Vice Chairman Seth Clayton announced a quorum was present.

COMMITTEE MEMBERS PRESENT:

Curtis Mitchell – Chairman, Seth Clayton– Vice Chairman, Pat Edelmann, Tom Goodwin, and Jim Broderick (remote) and Bill Long

COMMITTEE MEMBERS ABSENT AND EXCUSED:

Curtis Mitchell – Chairman, and Andy Colosimo

OTHERS PRESENT:

Chris Woodka, Garrett Markus, Margie Medina, and Leann Noga, District staff.

Zoom Participants: Elizabeth Smith, Bureau of Reclamation; and Anna Perea, Bureau of Reclamation; Patty Rivas and Peter Levish District staff.

APPROVAL OF MINUTES:

Vice Chairman Clayton asked for approval of the March 2, 2023, Resource and Engineering Planning Committee minutes and if there were any corrections or additions. Tom Goodwin moved, seconded by Pat Edelmann, to approve the minutes. Motion passed unanimously.

PRESENTATIONS:

JAMES W. BRODERICK HYDROPOWER PLANT UPDATE

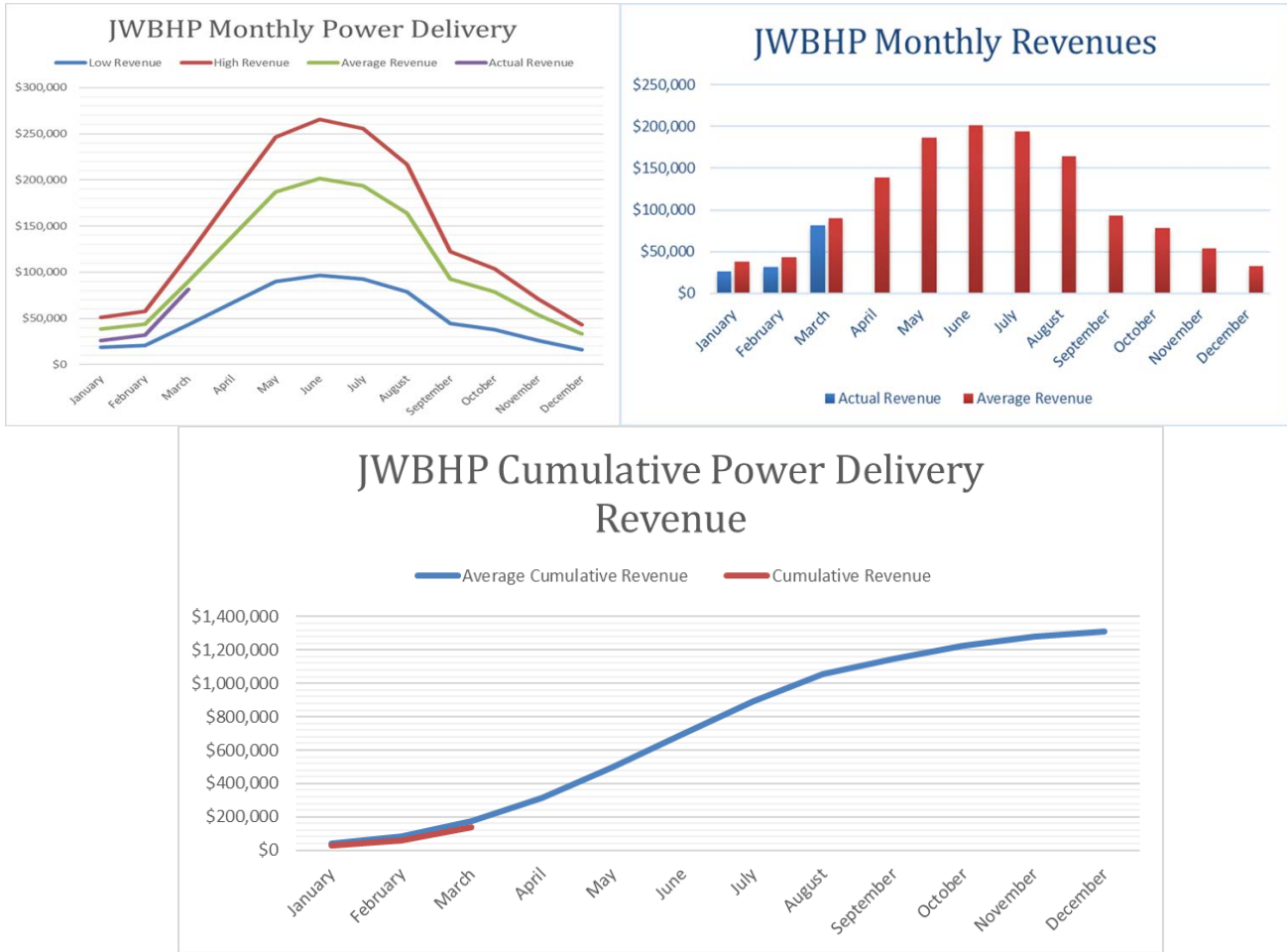
Garrett Markus updated the Committee on the James W. Broderick Hydropower Plant (JWBHP) starting with the current operations for the month of March 2023. March generation was down due to a shutdown and had a 14 cfs flow for one day.

Table 1 - JWBHP Operations Dashboard

	THIS MONTH	LAST MONTH	YEAR TO DATE
Power Generation (MWhrs)	624 (est)	190	1,332
Scheduled Power (MWhrs)	1,546	612	2,654
Revenue	\$81,289	\$32,179	\$139,547
% Of Average Generation	91%	74%	81%

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PUEBLO RESERVOIR RECOVERY OF STORAGE UPDATE

Chris Woodka provided history of the Pueblo Reservoir Recovery of Storage Study that began in 2020. Phase I of the study was completed in October 2020 by Mott-MacDonald, Phase II Task 1 was completed September 2021.

Mott-MacDonald recommended updated bathymetric and topographic surveys, refined storage capacity estimates, and a hydrology and geomorphology assessment of the area upstream of Pueblo Reservoir. The Bureau of Reclamation (Reclamation) completed a bathymetric survey in March 2022, deploying two boards, survey data will be paired with LiDAR survey in the fall of 2023. Chris Woodka’s PowerPoint provided photos of the bathymetric survey equipment, location of survey with data collected, core sampling photos taken at 3 points.

The next steps are a tributary risk assessment done May-September 2023 by Southeastern Colorado Water Conservancy District to determine where sediment is coming from, performed as a desktop exercise. This work should be completed prior to the LiDAR survey in order to survey upstream sites as well as the area immediately surrounding Pueblo Reservoir. The bathymetric and LiDAR images will be compared to similar surveys completed 10 years ago to determine the impact of sedimentation during that time.

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The District and Reclamation will use this information to develop a plan of action that will look at the most cost-effective methods to reduce the amount of sedimentation coming into Pueblo Reservoir and to recover storage that has been lost to sedimentation during the first 50 years of operations at Pueblo Reservoir. A Request for Proposal for the District portion of Phase III will be posted on the District website and at the District office. Staff expects to bring a contract forward for Committee and Board approval in May 2023.

ACTION ITEMS:

INCLUSION OF LAND ANNEXED BY COLORADO SPRINGS

Garret Markus provided a visual of two annexations Capital Drive Addition No. 2 and Capital Drive Addition No. 3 by the City of Colorado Springs, both are contiguous roadways.

Tom Goodwin moved, seconded by Pat Edelman that the Committee recommend the Board approve, by Resolution, the inclusion of Capital Drive Addition No. 2 and Capital Drive Addition No. 3 annexed by Colorado Springs subject to the following terms and conditions:

1. Approval of these inclusions into the Southeastern Colorado Water Conservancy District will not increase the amount of Fryingpan-Arkansas Project water available to the city. Any Fryingpan-Arkansas Project water used on these included lands will need to come from the water allocated to the city through Fryingpan-Arkansas Project water allocations made pursuant to the District's Allocation Principles and Policies; and
2. Any use of Fryingpan-Arkansas Project water on the included lands is subject to the decrees for the Fryingpan-Arkansas Project, and to all lawful rules, regulations, principles, policies, and contractual obligations of the District; and
3. The annexed lands will be subject to ad valorem taxes levied by the District as any other similarly situated lands in the District at the time of this inclusion; and
4. Prior to the District filing a petition for District Court approval of this inclusion, the Municipality, and/or owner(s) of the annexed lands shall have paid all the costs charged by the United States in connection with the contracting officer's assent to this inclusion.

Motion passed unanimously.

RECOMMENDATION FOR APPROVAL OF A CONTRACT FOR THE CONSTRUCTION OF A FLOWMETER ACCESS PLATFORM AT THE JAMES W. BRODERICK HYDROPLANT (JWBHP) BETWEEN THE SOUTHEASTERN COLORADO WATER ACTIVITY ENTERPRISE AND MESA FAB SHOP, INC

In 2022, maintenance was required on the main 90-inch diameter flowmeter at the JWBHP. Three flow meter transducers required replacement. Access to the transducers were limited so a temporary platform was constructed to allow access to the transducers. A permanent platform to facilitate future access was designed and in February 2023, a request for proposals was sent to three local Pueblo fabricators for manufacture and installation of the permanent platform.

Three proposals were received as follows, and included in the packets:

1. Mesa Fab Inc. - \$70,764
2. Midwest Fabrication and Steel - \$81,000
3. Johnny's Boiler Shop - \$91,300

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Bill Long moved, seconded by Tom Goodwin that the Resource and Engineering Planning Committee recommends to the Southeastern Colorado Activity Enterprise Board to approve a Contract for construction of the flowmeter access platform at the JWBHP between the Southeastern Colorado Water Activity Enterprise. Motion passed unanimously.

INFORMATION ITEMS:

None

OTHER BUSINESS

None

NEXT MEETING

The next meeting will be set for Thursday, May 4, 2023 at 10:00 a.m.

ADJOURN

Vice-Chairman Clayton adjourned the meeting at 10:49 a.m.

Respectfully submitted,

Garrett J. Markus, P.E.

Water Resources Principal Engineer