

RESOURCE AND ENGINEERING PLANNING COMMITTEE

MINUTES

April 4, 2024

A meeting of the Resource and Engineering Planning Committee was held on Thursday, April 4, 2024, at 10:01 a.m. at the District Office, 31717 United Avenue, Pueblo, Colorado and via Zoom virtual meeting.

Chairman Curtis Mitchell announced a quorum was present.

COMMITTEE MEMBERS PRESENT:

Curtis Mitchell – Chairman, Seth Clayton– Vice Chairman, Andy Colosimo, Pat Edelman, Tom Goodwin, and Leann Noga

COMMITTEE MEMBERS ABSENT AND EXCUSED:

Bill Long

OTHERS PRESENT:

Alan Hamel, Southeastern Colorado Water Conservancy District (District) Director; Mark Molinari, Geo Engineers; John Chesterson, John Dawson, and Patrick McLaughlin, Mott MacDonald; Roy Vaughan, H2O Consultants; Noah Friesen, Division of Water Resources Div 2; Garrett Markus, Chris Woodka, and Margie Medina, Southeastern Colorado Water Conservancy District (District) staff.

Zoom Participants: Patty Rivas, Kevin Meador, and Peter Levish District staff.

APPROVAL OF MINUTES:

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

PRESENTATIONS:

JAMES W. BRODERICK HYDROPOWER PLANT UPDATE

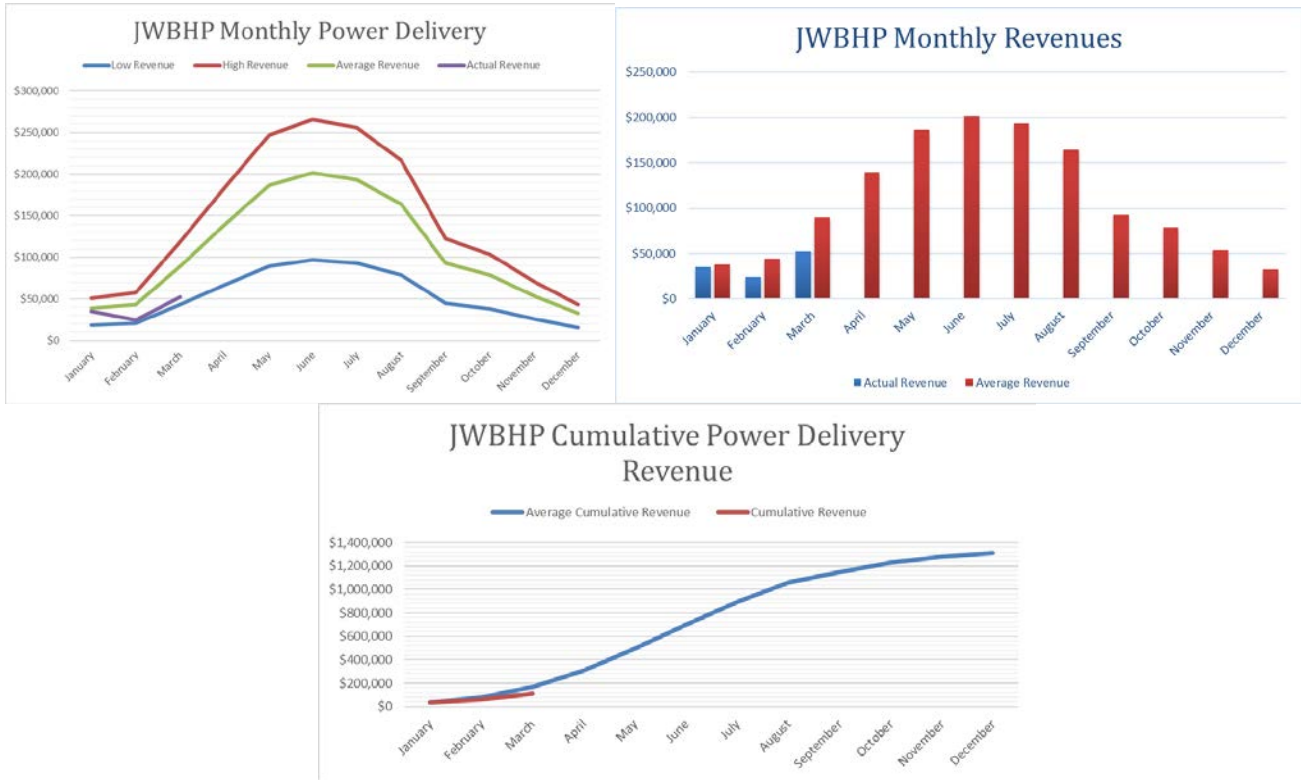
Garrett Markus updated the Committee on the James W. Broderick Hydropower Plant (JWBHP) starting with the current operations for the month of March 2024.

Table 1 - JWBHP Operations Dashboard

	THIS MONTH	LAST MONTH	YEAR TO DATE
Power Generation (MWhrs)	1,644	428	2,497
Scheduled Power (MWhrs)	992	464	2,123
Revenue	\$52,159	\$24,397	\$111,627
% Of Average Generation	58%	56%	65%

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PHASE III OF THE SEDIMENTATION STUDY

John Dawson and Patrick McLaughlin of Mott MacDonald and Mark Molinari of GeoEngineers reviewed Phase III of the Recovery of Storage Study with the Committee.

Mr. Molinari talked about the Tributary Risk Assessment, explaining how hydrologic units above Pueblo Reservoir were rated on factors such as hydrography, soil types, erosion, geology, landslides and wildland fires. Topographic maps, LiDAR, stream gages and aerial photographs were also considered. GeoEngineers also performed on-site visits in late 2023 to confirm some of the findings. Based on that information it was determined that the most critical watersheds for sedimentation of Pueblo Reservoir are those that immediately drain into the reservoir, the Six-Mile Creek watershed near Canon City and the Headwaters watershed near Leadville.

Mr. McLaughlin and Mr. Dawson discussed the next steps for the sedimentation study. Phase I of the study determined relative cost factors of potential solutions. Phase II looked at methods to measure the rate of sedimentation, evaluate where and when sedimentation is occurring and determine when it becomes a hindrance to storage. In Phase III, Reclamation performed new Sonar and LiDAR studies to calibrate sedimentation losses to date, and Mott MacDonald evaluated upstream tributaries. They discussed sustainability measures within the upstream tributaries such as bank stabilization, check dams and revegetation, and with Pueblo Reservoir with methods such as targeted injection dredging and turbid density current venting.

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Mott MacDonald had three recommendations for future projects:

- 1) Process USBR Survey Data Once Available
 - a) Update storage capacity loss estimates developed in Phase II.
- 2) Conduct Sustainability Measure Analysis & Design on Selected Watersheds
 - a) Feasibility (10%) level designs for projects to reduce sedimentation of Pueblo Reservoir.
- 3) Conduct Dam Raise Feasibility Analysis
 - a) Operating Pool Raise Feasibility Report (Including costs, environmental mapping, conceptual designs).

ACTION ITEMS:

INCLUSION OF LAND ANNEXED BY COLORADO SPRINGS

Garrett Makus explained the District received an application for assent for the following annexations to be annexed to the City of Colorado Springs.

RESOLUTION NO.	More Commonly Known As	Legal	Acres	County
2024-01D INCL-AX	Oliver Brass Annexation	Section 6 T13SR65	1.82	El Paso
2024-02D INCL-AX	7770 Black Forest Road Subdivision	Section 6 T13SR65	4.122	El Paso
2024-03D INCL-AX	Neagle-Dutcher Family Addition Annexation	Section 26 T13SR66	.226	El Paso
2024-04D IINCL-AX	Rock Creek Mesa Addition No. 1-7	Section 30 T15SR66	109.19	El Paso

Pat Edelman moved, seconded by Seth Clayton that the Resource and Engineering Planning Committee recommend the Board approve, by Resolution, the inclusion of the Oliver Brass Annexation, 7770 Black Forest Road Subdivision, Neagle-Dutcher Family Addition Annexation, and Rock Creek Mesa Addition No. 1-7 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.

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INFORMATION ITEMS:

None

OTHER BUSINESS

None

NEXT MEETING

To be determined.

ADJOURN

Chairman Mitchell adjourned the meeting at 11:36 a.m.

Respectfully submitted,

Garrett J. Markus, P.E.

Water Resources Principal Engineer