

ACTION BRIEF

BOARD OF DIRECTORS



Agenda Number 5.b

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MEETING DATE: Thursday, October 5, 2023

AGENDA ITEM: Construction Contract for the Check Valve Replacement Project at Black Mountain and Snyder Hill Pumping Plants (*Project Reliability^*) - Buzard

RECOMMENDATION: Staff recommends the Board of Directors approve a modification to the Construction Contract with PCL Construction for the Check Valve Replacement Project at Black Mountain and Snyder Hill Pumping Plant in the amount of \$644,011 plus an additional \$128,802 (20%) for contingencies totaling \$772,813.

FISCAL IMPLICATIONS: No

Impact on Budget:

Work will begin in the 4th quarter of 2023 and take approximately 1-2 months to complete. The Project Steering Committee will continue to manage the project work and expenses within the current approved budget.

Additional spending authority requested: None Required

Impact on Reserves:

No impact on reserves

Impact on Rates:

No impact on water rates

LINKAGE TO STRATEGIC PLAN, POLICY, STATUTE OR GUIDING PRINCIPLE:

2022 CAWCD Board Strategic Plan

Project Reliability: *Providing reliable and cost-effective operations, maintenance, and replacement of CAP's infrastructure and technology assets*

ARS Title 34-603 Procurement of professional services and construction-manager-at-risk, design-build, and job-order-contracting construction services

CAP Purchasing Policy

PREVIOUS BOARD ACTION/ACTIVITY:

November 2021 Board Approved the CAP 2022-2023 Biennial Budget

September 2022 CAWCD Board Approved the Job Order Contract for the Check Valve Replacement Project at Black Mountain and Snyder Hill Pumping Plants

ISSUE SUMMARY/DESCRIPTION:

Black Mountain and Snyder Hill Pumping Plants currently have swinging check valves installed on the discharge line, which protect the plant's pumping and piping systems. In the event of power loss, the reverse flow of water due to gravity causes the swinging check valves to slam closed, resulting in pressure spikes within the piping system. Staff tested several valve solutions to address this issue, and ultimately decided on a nozzle type, in-line check valve to maximize the overall reliability of the system.

This is the second of three anticipated board actions for this project. In the fall of 2022, the Board approved the Job Order Contract (JOC) allowing the CAP Project Team to procure the valves which had long lead times.

Due to outage constraints, valve installation work will be split into two additional phases, each requiring a separate contract. Receipt of all valves and installation work at Black Mountain Pumping Plant is scheduled to be completed this fall during the planned 2023 fall outage. A future contract action will request Board approval for valve installation during the planned 2024 fall outage at Snyder Hill Pumping Plant.

PCL Construction was selected pursuant to a cooperative JOC agreement and in accordance with ARS Title 34 and CAP's Purchasing Policy. This allows CAP to engage a qualified contractor that meets the required criteria and standards without needing to undertake a secondary bidding process. Accordingly, staff engaged PCL Construction in scope definition and price negotiation discussions for the required construction scope of work and believe that the price proposed is fair and reasonable.

SUGGESTED MOTION:

I move that the Board of Directors approve a modification to the Construction Contract with PCL Construction for the Check Valve Replacement Project at Black Mountain and Snyder Hill Pumping Plant in the amount of \$644,011 plus an additional \$128,802 (20%) for contingencies totaling \$772,813.

ATTACHMENTS:

None