

ACTION BRIEF

BOARD OF DIRECTORS



Agenda Number 7.d

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MEETING DATE: Thursday, June 1, 2023

AGENDA ITEM: Job Order Construction Contract for the Condition Based Monitoring at Twin Peaks, Sandario, Brawley, and San Xavier Pumping Plants (Project Reliability^[^]) - Buzard

RECOMMENDATION: Staff recommends the Board of Directors approve the award of a Job Order Contract to Cannon & Wendt Electric Co. for the Condition Based Monitoring Project at Twin Peaks, Sandario, Brawley, and San Xavier Pumping Plants and authorize the General Manager, or her designee, to execute an agreement up to \$1,534,178 plus an additional \$306,836 (20%) for contingencies totaling \$1,841,014.

FISCAL IMPLICATIONS: No

Impact on Budget:

Work will begin in 4th quarter of 2023 and take approximately 12 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*

PREVIOUS BOARD ACTION/ACTIVITY:

November 2019	Board Approved the CAP 2020-2021 Biennial Budget.
June 2020	Board Approved Construction Contract for 4 Southern Pumping Plants. Contract was not awarded due to Covid 19 contract suspensions.
November 2021	CAWCD Board Approved the CAP 2022-2023 Biennial Budget.
September 2022	Board Approved Construction Contract for 4 Southern Pumping Plants. Contract was not awarded due to unexpected change in contractor availability.

ISSUE SUMMARY/DESCRIPTION:

The CAP Maintenance Department has worked over the past several years to implement Reliability-Centered Maintenance (RCM) principles, which includes Failure Modes and Effects Analysis (FMEA), Equipment Criticality Rating, Predictive Maintenance (PdM), and Condition-Based Monitoring (CBM). This CBM project consists of the installation of vibration analysis proximity probes, accelerometers, and software on 22 pump units at Twin Peaks, Sandario, Brawley, and San Xavier Pumping Plants. This technology will enable Maintenance and Engineering to continuously monitor the performance and health of pumps and motors, helping to avoid unplanned outages. This phase of the project will also include the purchase and installation of

motor test access ports (MTAP) in the control room cabinets at each plant, welding panels on the motors, upgraded cabling and an additional twenty sensor mounting hardware at each location.

Staff will utilize lessons learned from past successful pumping plant installations for the remaining project sites. The use of standardized equipment at each site will increase efficiency and effectiveness for our maintenance program.

This contract was previously approved at the June 2020 board meeting; however, the contract was never awarded, due to COVID 19 precautions. In September 2022, the team returned to the board with updated 2022 pricing; however, this contract was also never awarded, due to constraints in contractor availability. Subsequently, the project team recently re-solicited the work and has selected Cannon & Wendt as the most qualified Contractor.

Cannon & Wendt Electric Co. was selected pursuant to a cooperative Job-Order-Contract 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 Cannon & Wendt Electric Co. in scope clarification and price negotiation discussions for the required construction scope of work and believes that the price proposed is fair and reasonable.

SUGGESTED MOTION:

I move that the Board of Directors approve the award of a Job Order Contract to Cannon & Wendt Electric Co. for the Condition Based Monitoring Project at Twin Peaks, Sandario, Brawley, and San Xavier Pumping Plants and authorize the General Manager, or her designee, to execute an agreement up to \$1,534,178 plus an additional \$306,836 (20%) for contingencies totaling \$1,841,014.

ATTACHMENTS:

None