



AGENDA STAFF REPORT

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Agenda Number: C
File ID: 0710.02.075

Section Name: Engineering
Project ID: WR1043

MEETING DATE: May 28, 2025

SUBJECT: Authorize the General Manager to award a construction contract to Caliagua Inc., as the lowest responsive and responsible bidder, in the amount of \$18,079,300 for the construction of WRP 10 Filter Assessment and Repair Project, Specification 2025-10, and authorize the General Manager to execute a Professional Services Agreement with Black & Veatch Corporation, in the amount of \$729,390 for engineering services during construction, and approve additional expenditures for a total request of \$20,803,055.

TO: BOARD OF DIRECTORS

FROM: ENGINEERING/SANITATION, CARRIE OLIPHANT

GENERAL MANAGER RECOMMENDATION:

RECOMMENDATION:

Authorize the General Manager to award a Construction Contract to Caliagua Inc., as the lowest responsive and responsible bidder, in the amount of \$18,079,300 for the construction of WRP 10 Filter Assessment and Repair Project, Specification 2025-10, and authorize the General Manager to execute a Professional Services Agreement with Black & Veatch Corporation, in the amount of \$729,390 for engineering services during construction.

It is also recommended that the Board authorize the following additional expenditures:

- CVWD project management – \$300,000.
- Soil and concrete testing services, which will be provided by CVWD on-call consultants as needed. When on-call consultant testing services are needed, a task order will be executed and issued in substantially the same format and content as the attached task order– \$65,000.
- Inspection services, which will be provided by CVWD Inspection staff and on-call inspection consultants as needed. If on-call inspection consultants are needed, a task order will be executed – \$725,400.
- Construction contingency (5%) – \$903,965.

The total amount of this request is \$20,803,055.

BUDGET IMPACT:

The total estimated cost of the WRP 10 T1 Filter Assessment and Repair Project (Project) is \$20,803,055. The

Project (WR1043) is a multi-year construction project that is included in the Sanitation Fund Fiscal 2024-2025 Capital Improvement Budget in the amount of \$509,650. The funding sources for the Project include 50% funding from Sanitation Capacity Charge (SCC) revenue and 50% bond financing from the future bond issuance expected in Fiscal 2025-2026. The Project was included in the proposed budgets for the following two fiscal years in the amount of \$20,188,545. It is estimated that \$509,650 will be spent this fiscal year. Therefore, this request will have no adverse impact on the Sanitation Fund Fiscal 2024 –2025 Capital Improvement Budget.

PROCUREMENT METHOD:

☒ Formal Bid/RFP

If other, please explain: .

BACKGROUND

WRP 10 Provides tertiary treatment that includes filtration using a multi-media gravity filter (T1 Filter). The T1 Filter has been in service since 1988; it is energy intensive and lacks automation to optimize performance and operation. Although designed for filtration of up to 10 million gallons per day (MGD), the filter can only provide 5 MGD since 2019 due to media loss in three of its filtration basins. Additionally, the T1 Filter has frequent failures; spare parts for repairs are difficult to obtain and/or not available. These issues cause downtime and unreliability of the tertiary treatment at WRP 10.

WRP 10 has a second filter, T2 Filter, which is a deep bed, continuous backwash, upflow sand filter that has been in service since 2003. the T2 Filter has a capacity of 5 MGD. Combined, the T1 and T2 filters provide the filtration capacity to produce 10 MGD of non-potable water (NPW). Currently, WRP 10 can meet the demand of 18 NPW customers (orr 14,769 acre-feet per year of NPW). However, in the next 3 years the NPW production will need to increase to 15 MGD to meet the expanded service area with the current NPW projects. By 2027, WRP 10 will be serving 21 NPW customers (or a demand of 29,676 acre-feet per year of NPW).

On January 25, 2022, the Board of Directors authorized a Professional Service Agreement (PSA) with Black & Veatch (BV) to design the WRP 10 T1 Filter Assessment and Repair Project (Project). The Project will replace the multi-media filtration of the T1 Filter with more efficient cloth disk filters. The new filters will accommodate future projected flows of up to 15 MGD, through 2040, using the existing footprint and structure of the T1 Filter. This will allow a second existing filter at WRP 10 (T2 Filter) to be decommissioned. Savings from the decommissioning of the T2 filter are estimated at \$545,000 annually. The Project will also add supporting equipment such as pumps and electrical controls for improved operation and monitoring. The improvements will provide reliability, automation and will reduce energy consumption by 50%, which will be an additional savings of \$38,000 annually.

CVWD staff began advertising to solicit bids for construction of this Project on February 13, 2025. One bid was received from Caliaqua Inc. and publicly read on April 29, 2025. The Register of Bids is attached. Staff reviewed the lowest bid received from Caliaqua Inc. and determined that the bid is responsive. In addition, Caliaqua's bid in the amount of \$18,079,300 is comparable to the Engineer's Estimate of \$18,214,345. Therefore, staff recommends that the Board of Directors authorize the General Manager to award a construction contract to Caliaqua Inc. as the lowest responsive and responsible bidder in the amount of \$18,079,300. Staff also recommends that the Board authorize the General Manager to execute a Professional Services Agreement with BV in the amount of \$729,390 to provide engineering services during construction and additional soft cost expenditures of \$1,994,365, which includes construction management, inspection and 5% construction contingency. The total amount of this request is \$20,803,055.

The construction of the Project is scheduled to be completed in December 2027.

PRIOR BOARD ACTION:

- On October 8, 2024, the Board approved the solicitation of bids for the WRP 10 Filter Assessment and Repair Project, Specification 2025-10.
- On January 25, 2022, the Board of Directors authorized a Professional Service Agreement (PSA) with Black & Veatch (BV) to design the WRP 10 T1 Filter Assessment and Repair Project (Project).

DISTRICT STRATEGIC PLAN GOAL(S)/OBJECTIVES(S):

Approval of the request to authorize solicitation of bids aligns with the CVWD core value of infrastructure investment and management.

ENVIRONMENTAL IMPACT:

☒ Yes, attachments included:

☒ Notice of Determination

See attached CVWD Sanitation Master Plan Update 2020 Program EIR Project Screening Checklist and signed Notice of Determination. Both documents refer to the CVWD Sanitation Master Plan Update 2020 Final Program EIR (SCH# 2019090307)

PUBLIC NOTICE REQUIRED

N/A

LEGAL REVIEW

N/A

ATTACHMENTS

Att 1 - Map

Att 2 - Construction Contract

Att 3 - Register of Bids

Att 4 - Designation of Subcontractors and DBE Certificate Status

Att 5 - Professional Services Agreement with Black & Veatch Corporation

Att 6 - Example of Task Order for Soils and Concrete Testing

Att 7 – Notice of Determination and Sanitation Master Plan EIR Screening Checklist- WRP10 T1 Filter