



Agenda Date: 2/17/2021

Agenda Placement: 7D

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors

FROM: Timothy Healy - General Manager
NS-Technical Services/Engineer

REPORT BY: Karl Ono, Associate Engineer - (707) 258-6013

SUBJECT: Award Construction Contract for the 2021 Treatment Plant Improvements Project (CIP 20708)

RECOMMENDATION

Award the construction contract for the 2021 Treatment Plant Improvements Project (CIP 20708) to JMB Construction, Inc. for the bid amount of \$658,900 and authorize the General Manager to execute the agreement with the contractor and issue the Notice to Proceed, when appropriate.

EXECUTIVE SUMMARY

On February 2, 2021, NapaSan received seven bids for the 2021 Treatment Plant Improvements Project (CIP 20708). The engineer's estimate of probable construction cost for the project was \$770,000. JMB Construction, Inc. was the low bidder in the amount of \$658,900, which is 14.4% lower than the engineer's estimate.

The second lowest bid was submitted by GSE Construction in the amount of \$691,400, which is 4.9% higher than the low bid. The high bid was submitted at \$873,000. A summary of all bids is attached.

Notice to Proceed is expected to be issued in March 2021. The Contractor has 263 calendar days to substantially complete the project from Notice to Proceed. Construction is expected to be completed by December 2021.

FISCAL & STRATEGIC PLAN IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the FY 20/21 Capital Improvement

Program. The total project budget is \$2,007,600. \$1,100,000 of the total project budget is allocated to this project. Treatment plant improvements beyond the scope of this project are also budgeted under the total project budget and will be completed as part of a separate project.

Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The existing assets need to be repaired or replaced.
Is the general fund affected?	Yes
Future fiscal impact:	Construction will be completed in FY 21/22. Unused budget in the current fiscal year will be carried forward into the next fiscal year.
Consequences if not approved:	The existing polymer tanks and diversion valves, which have reached the end of their service lives, will not be replaced. All of the assets would operate with an increasing risk of failure.
Additional Information:	None.

ENVIRONMENTAL IMPACT

The project was determined to be Categorical Exempt by the Board on December 16, 2020. A Notice of Exemption was filed with the Napa County Recorder on December 18, 2020.

BACKGROUND AND DISCUSSION

The 2021 Treatment Plant Improvements Project will replace polymer tanks and associated structural, mechanical, and electrical components that have reached the end of their useful lives. These components serve a critical role in the recycled water treatment process. Additionally, the project will replace three 36-inch diameter butterfly valves in the plant gallery that control the flow of treated water between the recycled water system and the river discharge pipe.

The coagulant polymer system was installed as part of the 1994 Soscol Water Recycling Facility Phase I Upgrade Project. The system contains three storage tanks, which were relocated from a temporary facility during the 1994 project. One polymer tank has failed and the other two tanks are approaching the end of their useful life. This project will replace the three existing tanks, install new concrete pads for anchorage of new seismic tank support stands, install new ultrasonic level indicating transmitters, and modify piping to accommodate the new tank configuration.

The 36-inch diversion valves were also installed as part of the 1994 Soscol Water Recycling Facility Phase I Upgrade Project. Operations staff has observed that the valves are beginning to leak, and are in need of repair or replacement. As part of the design effort, Carollo conducted an investigation as to whether the existing valves could be refurbished rather than replaced. It was determined that the replacing the existing valves is more cost effective and offers benefits to the project's schedule that cannot be achieved if the valves were to be refurbished.

NapaSan will contract with Carollo Engineers to provide engineering services during construction and Psomas Company to provide construction management and inspection services.

SUPPORTING DOCUMENTS

A . Bid Results

Napa Sanitation District: Approve

Reviewed By: Timothy Healy