



Agenda Date: 12/16/2020

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: Approve the Project, Concur with CEQA Determination, and Authorize the General Manager to Issue Notice Inviting Bids for the 2021 Treatment Plant Improvements Project (CIP 20708)

RECOMMENDATION

Approve the Project, concur with staff's CEQA determination, and authorize the General Manager to issue Notice Inviting Bids for the 2021 Treatment Plant Improvements Project (CIP 20708).

EXECUTIVE SUMMARY

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.

Notice to proceed is expected to be issued in March 2021 and construction is expected to be complete by December 2021. The majority of construction is scheduled for late summer/early fall 2021 to take advantage of lower plant flows and reduced polymer usage.

The engineer's estimate for construction is \$770,000.

Plans are available for review at NapaSan's office and will be available at the Board meeting on December 16, 2020.

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

Staff performed a preliminary CEQA review of this project and determined the project is Categorical Exempt. This project consists of replacement or reconstruction of existing systems and/or facilities involving no expansion of capacity, which corresponds to Categorical Exemption 15302 (c) of the California Environmental Quality Act (CEQA) Guidelines. If the Board concurs with this determination, staff will file the attached Notice of Exemption.

BACKGROUND AND DISCUSSION

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.

SUPPORTING DOCUMENTS

A . Notice of Exemption

Napa Sanitation District: Approve

Reviewed By: Timothy Healy