



Agenda Date: 8/5/2020

Agenda Placement: 7E

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 Task Order for the 2021 Treatment Plant Improvement Project (CIP 20708) Design Services

RECOMMENDATION

Authorize the Purchasing Agent to execute Task Order 36 with Carollo to provide engineering design services for the 2021 Treatment Plant Improvement Project (CIP 20708) in the amount of \$124,203.

EXECUTIVE SUMMARY

The 2021 Treatment Plant Improvement 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.

During initial planning and review of the project scope, NapaSan staff determined that the project should be constructed during September through November of 2021 when polymer usage is low and construction weather is favorable. During this time period, recycled water demand can be met with effluent from the aeration basins and without the need to supplement with pond water. This strategy will decrease costs associated with a temporary polymer delivery system because effluent from the aeration basins requires less polymer for tertiary treatment than pond water.

Carollo was selected as the most qualified firm to design the project due to their previously completed projects in the treatment plant, including the basis of design for this project and the replacement of the sodium hypochlorite tanks in 2019. Under this Task Order, Carollo will prepare construction bid documents. The design will begin in August 2020.

NapaSan staff will request that the Board approve the project in fall/winter 2020 for bidding. Construction is scheduled for late summer/early fall 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 2020/21 and FY 2021/22 CIP budget.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The existing assets need to be repaired or replaced and Carollo has previous design experience with these assets.
Is the general fund affected?	No
Future fiscal impact:	None.
Consequences if not approved:	Staff would design the improvements which would limit NapaSan's ability to complete other scheduled projects.
Additional Information:	None.

ENVIRONMENTAL IMPACT

None.

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.

SUPPORTING DOCUMENTS

A . Carollo Task Order 36

Napa Sanitation District: Approve

Reviewed By: Timothy Healy