



Legislation Text

File #: 23-0493, **Version:** 1

TO: Members of the Governing Board
FROM: Christopher Silke, District Engineer
REPORT BY: Annamaria Martinez, Assistant Engineer
SUBJECT: Approval of Plans and Specifications and Authorization to Advertise for Bids for Lift Station A - Sewer Collection Tank Replacement Project, LB 22-03.

RECOMMENDATION

District Engineer requests the approval of Plans and Specifications for the Lift Station A - Sewer Collection Tank Replacement Project, LB 22-03 and authorization to advertise for sealed bids and opening of the bids at a time, date, and location to be published by the District Engineer pursuant to Section 20150.8 of the Public Contract Code.

EXECUTIVE SUMMARY

On September 13, 2022 the Board authorized a professional service agreement with the firm GHD, Inc. of Santa Rosa, CA for professional engineering design services related to the design and preparation of construction drawings and technical specification for the replacement of an existing 91,000 gallon steel raw sewage collection tank at Sewer Lift Station A that is nearing the end of its useful life.

Project Plans and Specifications are now complete; staff recommends Board approval for public bidding.

FISCAL & STRATEGIC PLAN IMPACT

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| Is there a Fiscal Impact? | Yes |
| Is it currently budgeted? | Yes |
| Where is it budgeted? | Lake Berryessa Resort Improvement District Capital Budget - Fund 5220, Org 5220500, Project 22014 |
| Is it Mandatory or Discretionary? | Discretionary |
| Discretionary Justification: | Approval of plans and specifications and authorization to advertise for sealed bids is necessary prior to the construction phase. |
| Is the general fund affected? | No |

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| Future fiscal impact: | Remaining budget from Fiscal Year 2022-2023 will be carried over to the Fiscal Year 2023-2024 budget. |
| Consequences if not approved: | If not approved the Project will not go out for construction bids and the likelihood of a tank failure due to corrosion will increase with time, putting the District at risk of violating the Waste Discharge Requirements (permit) issued by the Central Valley Regional Board. |
| County Strategic Plan pillar addressed: | Effective and Open Government |

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: It has been determined that this type of project does not have a significant effect on the environment and is exempt from the California Environmental Quality Act. [See Class 1 (“Existing Facilities”) which may be found in the guidelines for the implementation of the California Environmental Quality Act at 14 CCR §15301; see also Napa County’s Local Procedures for Implementing the California Environmental Quality Act, Appendix B.]

BACKGROUND AND DISCUSSION

The President authorized the American Rescue Plan Act (ARPA) in March 2021 to allocate \$1.9 trillion in stimulus monies across a variety of programs. Of the total, \$350 billion is allocated to state, local, territorial and Tribal governments to enable them to continue to support the public health response and to lay the foundation for a strong and equitable economic recovery. The U.S. Department of the Treasury released Final Interim Rule regulations on May 10, 2021 defining eligible use of ARPA monies that includes investments into water and sewer utility infrastructure. Local Fiscal Recovery (LFR) funds must be obligated by December 31, 2024 with projects completed no later than December 31, 2026. Napa County received \$26,755,157 for ARPA appropriations.

Based on the Final Rule guidelines, water and sewer utility projects that would qualify for funding under the Safe Drinking Water and Clean Water Act Programs are deemed as eligible under ARPA. The District has four (4) high priority projects that satisfy ARPA and the Drinking and Clean Water Act funding criteria - one of the projects being the subject of this agenda report - the replacement of the 91,000 gallons raw sewage collection tank located at Sewer Lift Station A.

History of the Collection Tank at Lift Station A:

The original sewer collection tank at Lift Station A, which collects all raw sewage from Unit 2 of the Berryessa Estates subdivision, was installed in 1967. It was constructed of welded steel with a maximum capacity of approximately 50,000 gallons. In the late 1980s/early 1990s, deterioration of the upper tank wall due to corrosion from hydrogen sulfide vapors caused seepage of raw sewage from the upper tank panels requiring the operational level to be lowered to half the height of the tank. Due to lack of funding for full replacement of the tank, a reduced scope project was approved that required removal of the corroded panels above the reduced operational level - leaving the District with limited sewer collection capacity for growth and or storm events.

The tank was operated at this reduced capacity for over a decade; increased flow as a result of community growth, and also from increased inflow and infiltration (I/I) in the collection system, resulted in multiple

overflows from the tank and violations from the Central Valley Regional Board (CVRB). An Administrative Civil Liability Complaint (ACL) that required payment of a fine, was issued and ultimately rescinded, but the District was required to replace the tank with a capacity sufficient to prevent overflows in the future.

In 2002, District engineering staff solicited bids for replacement of the modified original welded steel tank with a 91,000 gallon bolted steel tank. The solicitation required setting the new tank within the footprint of the original tank, and the reuse of the original pad. The vendor, International Tank, Dry & Liquid Storage, Inc. from Kentucky was retained to complete the project design and installation.

The 91,000 gallon tank is now 20 years old, and as with the original tank installation, corrosion and pitting, due to the accumulation of hydrogen sulfide gases, has accelerated along the top tank panels that sit above the operational liquid level of the tank. In an effort to prevent a repeat of prior violations and potential ACLs from the CVRB due to illicit discharges from the tank, staff proposed immediate replacement of the tank pending award of funding availability through the ARPA program.

On February 8, 2022, the District and Napa County executed a Memorandum of Understanding (MOU) outlining the terms of the transfer of ARPA funding for the project, and on June 21, 2022, staff publicly advertised an RFQ / RFP engineering services package detailing the scope of work, submittal instructions and deadline for the Sewer Lift Station A Tank Replacement Project. After evaluation of the two proposals received, staff recommended and the Board awarded a contract to GHD, Inc. in the amount of \$190,674 on September 13, 2022.

Construction plans and specifications are now complete and include replacement of the existing steel tank with a new cast-in-place concrete tank of similar capacity. The new tank will be installed in the same location as the existing tank. Additional project components include a new tank foundation, piping reconfiguration to allow better control of waste volumes entering the tank, and other miscellaneous site improvements necessary to install the tank in the same footprint as the existing tank.

The engineer's opinion of probable construction cost is approximately \$1,660,000. The current ARPA funded budget for the project is not sufficient to cover full cost of the expected construction costs, however, the District is a recent sub-recipient of \$1,400,000 from Napa County for water and wastewater improvements, as part of a larger funding award from the Department of Water Resources through the California Budget Act of 2022 (AB 179, Stats. 2022, ch. 249, § 207). It is anticipated that this sub-recipient award will fund the remaining costs of construction beyond the current available ARPA budget.

With the plans and specifications now complete, the District Engineer requests approval to advertise the project for sealed bids and opening of the bids at a time, date, and location to be published by the District Engineer pursuant to Section 20150.8 of the Public Contract Code.