



Agenda Date: 6/19/2019
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 SWRF Buried Metallic Piping Condition Assessment Services (CIP 20706)

RECOMMENDATION

Authorize the Purchasing Agent to execute Task Order 6 with Hazen and Sawyer to provide engineering services to conduct a condition assessment and risk analysis for the SWRF Buried Metallic Piping Condition Assessment Project (CIP 20706) in the amount of \$99,650.

EXECUTIVE SUMMARY

The Soscol Water Recycling Facility (SWRF) was constructed in 1979 and has undergone several upgrades and renovation projects since its initial construction. Some of the piping systems from the original construction, and from subsequent projects, are unprotected metallic piping. In recent years, corrosion and deterioration have been observed in areas where buried metallic pipes have been exposed. This Task Order will develop a risk-based prioritization model of unprotected buried metallic piping assets, which will guide decision making for operation, maintenance, rehabilitation, and replacement efforts in the future.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the FY 2019/20 and proposed FY 2020/21 capital budgets.
Is it Mandatory or Discretionary?	Discretionary

Discretionary Justification:	Developing an accurate condition assessment and risk model is a key principle to prioritizing projects. This effort will lead to more informed decision making for the maintenance and repair of buried metallic piping systems at the SWRF.
Is the general fund affected?	Yes
Future fiscal impact:	Recommendations from this condition assessment effort will lead to future design and construction projects. These projects are budgeted in the 10-year CIP.
Consequences if not approved:	Unprotected buried metallic piping assets will continue to deteriorate over time. Without an accurate risk-based prioritization model for these assets, resources for repair and replacement will be directed in a less strategic manner. The likelihood of the need for unplanned repair and replacement of these assets will be increased.
Additional Information:	None.

ENVIRONMENTAL IMPACT

None.

BACKGROUND AND DISCUSSION

District staff managed a competitive consultant selection and procurement process. A request for qualifications seeking qualified engineering firms to provide professional engineering services for the SWRF Buried Metallic Piping Condition Assessment Project was sent to five (5) firms and four (4) Statements of Qualifications were received by the District. Based on Staff review of the qualifications, staff selected Hazen and Sawyer's team as the most qualified team to perform the required services.

The principles and methodology that Hazen will utilize to complete this study are industry standard asset management practices. The same approach that will be used in this effort can be applied in the future to other asset types to develop a quantitative and strategic means of prioritizing maintenance activities and rehabilitation/replacement projects.

SUPPORTING DOCUMENTS

A . Hazen Task Order 6

Napa Sanitation District: Approve

Reviewed By: Timothy Healy