



Agenda Date: 9/7/2016
Agenda Placement: 7K

Napa Sanitation District Board Agenda Letter

TO: Honorable Board of Directors

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

REPORT BY: Andrew Damron, Technical Services Director - 707-258-6000

SUBJECT: Award Construction Contract for the Stationary Gas Detectors - Phase II Project (CIP 17722)

RECOMMENDATION

Award construction contract for the Stationary Gas Detectors - Phase II Project (CIP 17722) to Telstar Instruments for the bid amount of \$146,960 and authorize the General Manager to execute the Agreement with the Contractor and issue the Notice to Proceed, when appropriate.

EXECUTIVE SUMMARY

On August 25, 2016, the District received 2 bids for the Stationary Gas Detectors - Phase II Project (CIP 17722). The engineer's estimate of probable construction cost for the project was \$120,000. The lowest responsive, responsible bid was submitted by Telstar Instruments. Their bid of \$147,960 is greater than the engineer's estimate and 19% less than the second lowest bid of \$182,185.

Staff calculated the engineer's estimate for Phase II based on the cost of the labor and equipment for the Phase 1 project that was completed in 2015 for a price of \$124,940 within 4 work areas (cost of approximately \$30,000 per work area). The Phase II project will install gas detectors within the 11 remaining work areas but the Phase II locations will require less labor per location. Staff underestimated the labor effort when preparing the engineer's estimate. After review of the bids, staff believes the low bid price is fair and competitive.

This project will replace stationary gas detectors in the DAFT room, cogeneration room, digester area, west gallery area, and at West Napa Pump Station.

Notice to Proceed is expected to be issued in mid-September 2016 and substantial completion is required within 60 calendar days.

FISCAL IMPACT

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the FY 2016-2017 Capital Improvement Program. The project budget is \$140,000. Additional costs for this project will be paid for from savings in other 16/17 CIP projects.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	This project will replace existing gas detectors which require monthly maintenance and repair.
Is the general fund affected?	Yes
Future fiscal impact:	Construction will be completed in FY 2016-2017.
Consequences if not approved:	Maintenance staff will continue their level of maintenance and repair of the existing equipment. Existing gas detectors do not adequately cover work areas and some gas detectors are not able to be calibrated.
Additional Information:	

ENVIRONMENTAL IMPACT

Staff performed a preliminary CEQA review of the project and determined the project is Categorical Exempt; the Board concurred on April 1, 2015 and the Notice of Exemption has been filed at the County Recorder's office.

BACKGROUND AND DISCUSSION

Stationary gas detectors are required in the treatment plant to sense hydrogen sulfide and explosive limits of combustible gases which provide for a safe working environment. Existing gas monitoring equipment is old and requires frequent replacement of parts. The existing gas detectors are calibrated monthly at a cost of \$2,000 per month. Some of the existing gas detectors cannot be calibrated due to part failure and lack of availability of replacement parts. Coverage is not adequate and needs to be expanded.

In 2015, Phase 1 of the project was completed, replacing stationary gas detectors in headworks, the primary clarifiers, and gas storage structure. Phase II of the project will replace gas detectors in the DAFT room, cogeneration room, digester area, west gallery area, and at West Napa Pump Station.

Fourteen existing monitors will be replaced with 16 self-calibrating units spaced for adequate coverage of 15 work areas (by both projects after completion of Phase II).

SUPPORTING DOCUMENTS

A . Bid Results

Napa Sanitation District: Approve

Reviewed By: Timothy Healy