



Agenda Date: 4/3/2019

Agenda Placement: 8B

## Napa Sanitation District Board Agenda Letter

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**TO:** Honorable Board of Directors

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

**REPORT BY:** Simon Kobayashi, Associate Engineer - 707-258-6030

**SUBJECT:** Award Construction Contract for the 2019 Treatment Plant Improvements Project (CIP 18740)

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### **RECOMMENDATION**

Award the construction contract for the 2019 Treatment Plant Improvements Project (CIP 18740) to Valentine Corporation for the bid amount of \$1,180,369 and authorize the General Manager to execute the agreement with the contractor and issue the Notice to Proceed, when appropriate.

### **EXECUTIVE SUMMARY**

On March 14, 2019, NapaSan received four bids for the 2019 Treatment Plant Improvements Project (CIP 18740). The engineer's estimate of probable construction cost for the project was \$1,086,000. Valentine Corporation was the low bidder in the amount of \$1,180,369, which is 8.7% higher than the engineer's estimate.

The second lowest bid was submitted by GSE Construction in the amount of \$1,245,300, which is 5.5% higher than the low bid. The high bid was submitted at \$1,600,600.

The bid was higher than the engineer's estimate, primarily because of higher than estimated costs on the temporary hypochlorite dosing system, as well as the chemical feed pump and piping removal and installation. The requirements for the temporary hypochlorite system were modified by the design engineer just prior to the notice inviting bids. The modifications required the contractor to supply a pump skid and adopt increased installation responsibilities to ensure that this critical process was reliable to continue wastewater treatment and recycled water production during the construction project. These modifications were made after the engineer's estimate was developed, which added cost beyond the initial engineer's estimate. Drain lines for the Polymer Tank containment area were also included for replacement after the estimate. Since the bids received were competitive and the pricing is within the current and proposed capital plan budget, staff recommends award of the total project. A summary of all bids is included in the presentation slides.

The contractor has 175 calendar days to substantially complete the project from Notice to Proceed. Notice to Proceed is expected to be issued in late April 2019. Construction is expected to be completed by October 2019.

### **FISCAL IMPACT**

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes
Where is it budgeted?	The project is budgeted in the current fiscal year 2018/2019 and the proposed fiscal year 2019/2020 capital improvement program. Total project costs are expected to be \$1,760,819.
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The Chemical Storage Building has undergone corrosion and has failed protective coatings which have failed within the containment areas. Repair of the corroded concrete and coatings is important to preserving the building for a long service life.
Is the general fund affected?	Yes
Future fiscal impact:	Construction will be completed in FY 2019/20. Unused budget in the current fiscal year will be carried forward into the next fiscal year.
Consequences if not approved:	NapaSan staff will continue to use the Chemical Storage Building with deficient coatings and corroded concrete. The concrete will continue to corrode due to exposure to corrosive fluids which will decrease the lifespan of the building and result in more costly repairs in the future.
Additional Information:	None.

### **ENVIRONMENTAL IMPACT**

The project was determined to be Categorical Exempt by the Board on February 6, 2019. A Notice of Exemption was filed with the Napa County Recorder on March 27, 2019.

### **BACKGROUND AND DISCUSSION**

The scope of work for the 2019 Treatment Plant Improvement Project includes the following items:

1. Chemical Storage Building Rehab
  - a. Drain line replacement
  - b. Concrete and rebar replacement
  - c. New protective coating
  - d. Temporary pipes, pumps, and chemical storage
2. Replace hypochlorite tanks
3. Paving

NapaSan will contract with Carollo Engineers to provide engineering services during construction and Psomas Company to provide construction management and inspection services.

**SUPPORTING DOCUMENTS**

A . Bid Results

B . Presentation Slides

Napa Sanitation District: Approve

Reviewed By: Timothy Healy