



Agenda Date: 3/4/2020  
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:** Robin D. Gamble Holley, Asset Management Analyst - (707) 258-6031  
**SUBJECT:** Award Construction Contract for the West Napa Pump Station Project (CIP 17711)

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### **RECOMMENDATION**

Award the construction contract for the West Napa Pump Station Project (CIP 17711) to Anderson Pacific Engineering Contractors Inc. for the bid amount of \$7,662,305 and authorize the General Manager to execute the agreement with the contractor and issue the notice to proceed, when appropriate.

### **EXECUTIVE SUMMARY**

On February 19, 2020, NapaSan received 6 bids for the West Napa Pump Station Project (CIP 17711). The engineer's estimate of probable construction cost for the project was \$8,450,000. Anderson Pacific Engineering Construction Inc. is the lowest qualified bidder in the amount of \$7,662,305 which is 9.3% lower than the engineer's estimate.

The second lowest bid was submitted by Gateway Pacific in the amount of \$8,396,834 which is approximately 9.6% higher than the low bid. The high bid was submitted at \$9,970,000.

Notice to Proceed is expected to be issued in late March 2020 and construction is expected to begin in May 2020. Construction of the pump station is expected to be completed in Summer 2021 with overall completion of construction which includes demolition of the existing pump station building and site work expected in Fall 2021.

### **FISCAL & STRATEGIC PLAN IMPACT**

Is there a Fiscal Impact?	Yes
Is it currently budgeted?	Yes

Where is it budgeted?	This project is budgeted under CIP 17711 with \$5,500,000 in FY19/20 with additional budget of \$5,500,000 projected through FY20/21 in the 10-Year Capital Plan. The project is being funded by a State Revolving Fund Loan (SRF).
Is it Mandatory or Discretionary?	Discretionary
Discretionary Justification:	The existing pump station has reached the end of its useful life and replacement is necessary.
Is the general fund affected?	Yes
Future fiscal impact:	Construction will be completed in FY21/22. The budgeted project costs will be carried forward into future fiscal years until completion of the project. Once construction is completed, there will be unspecified operation and maintenance costs however these costs are anticipated to be similar or less than the existing pump station.
Consequences if not approved:	The project will not be constructed, NapaSan will not be eligible for the \$4,000,000 SRF loan forgiveness for a GPR project, and wet-weather flows will exceed the existing firm capacity of the existing pump station.
Additional Information:	None.

## **ENVIRONMENTAL IMPACT**

NapaSan approved the project and adopted a Mitigated Negative Declaration on February 15, 2017 by Resolution 2017-006 which included rehabilitation of the West Napa Pump Station. NapaSan adopted an Addendum to the Mitigated Negative Declaration on February 28, 2018 by Resolution 2018-005 which included replacement of the West Napa Pump Station.

## **BACKGROUND AND DISCUSSION**

NapaSan's WNPS is located at the northeast corner of the intersection of West Imola Avenue and South Coombs Street. The pump station conveys flow from areas of West Napa and pumps the wastewater under the Napa River. The original facility was constructed in 1948 and was expanded in 1979 with minor modifications since the expansion was completed. Dry weather flow through the pump station is approximately 1.8 mgd, however approximately 16 mgd are experienced during wet-weather events. The project will increase the firm capacity of the pump station so that the pump station is more reliable in wet weather and replace 70-year old assets that have reached the end of their useful life.

Hazen and Sawyer was selected through a competitive process to perform a preliminary evaluation of the design options. Using asset management principals Hazen and Sawyer evaluated the 30-year life cycle cost for the options. The options studied included rehabilitation of the existing pump station, construction of a new pump station using the existing building for electrical equipment, and construction of a new pump station with a new electrical building. The life cycle cost for both options were the same. Staff determined the preferred option was to replace the pump station, build a new electrical building, and install solar panels in the location of the existing building which would allow for NapaSan to take advantage of green project reserve (GPR) funding.

The replacement of the pump station is eligible for the GPR funding due to reducing energy consumption use by

20%. The 20% reduction in energy consumption will be achieved by using more efficient pumps and electrical equipment and installation of solar panels. One of the benefits of a GPR project is that the green components of the project are eligible for up to \$4M in loan forgiveness. The remainder of the project will be funded by an SRF loan.

**SUPPORTING DOCUMENTS**

A . Presentation - CIP 17711

Napa Sanitation District: Approve

Reviewed By: Timothy Healy