



Orange County Sanitation District

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OPERATIONS COMMITTEE

Agenda Report

File #: 2020-1103

Agenda Date: 7/1/2020

Agenda Item No: 5.

FROM: James D. Herberg, General Manager
Originator: Rob Thompson, Assistant General Manager

SUBJECT:

SERVICE CONTRACT FOR PLANT NO. 1 THICKENING AND DEWATERING ODOR CONTROL CARBON CHANGE-OUTS, SPECIFICATION NO. S-2020-1155

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Award a Purchase Order Contract to Prominent Systems, Inc. for Plant No. 1 Thickening and Dewatering Odor Control, Carbon Change-Outs, Specification No. S-2020-1155, for a total amount not to exceed \$122,758 for the period August 1, 2020 through July 31, 2021, with four, one-year renewal options; and
- B. Approve a contingency of \$18,414 (15%).

BACKGROUND

The Orange County Sanitation District (Sanitation District) Plant No. 1 thickening and dewatering odor control facility is equipped with two activated carbon vessels/filter beds for polishing the foul air prior to stack emission. The carbon beds work in parallel (as one bed is down for service, the other is in use) to ensure all emissions from the thickening and dewatering process meet the South Coast Air Quality Management District (AQMD) permit and nuisance limits at all times.

RELEVANT STANDARDS

- Maintain a proactive asset management program
- 24/7/365 treatment plant reliability
- Protect Orange County Sanitation District assets

PROBLEM

The thickening and dewatering facility produces very strong odors not only from the new thickening and dewatering centrifuges, but also from the sludge blending tanks, the truckloading bay, and the centrate wetwell. This complex foul air is treated at the dedicated thickening and dewatering foul air system which consists of three trains of chemical scrubbers followed by two activated carbon

vessels. Tests have shown that to meet the AQMD permit and nuisance requirements, it is necessary to operate the two-stage chemical scrubbers in caustic-bleach mode followed by polishing activated carbon.

PROPOSED SOLUTION

To secure a Purchase Order Contract to replace the spent activated carbon in the thickening and dewatering odor control system on a preventative maintenance frequency. This will ensure consistent compliance with our AQMD permit to operate.

TIMING CONCERNS

Currently there is no contract in place to replace the activated carbon media and the current media is reaching saturation. Therefore, a maintenance contract needs to be in place to change out the media to avoid odor complaints and non-compliance events.

RAMIFICATIONS OF NOT TAKING ACTION

Odor complaints across the Santa Ana River occur when the polishing activated carbon is not used or is deficient.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

Staff developed a scope of work and invited vendors to submit a proposal. Two bids were received as listed in Table 1.

Table 1 Bid Results

<u>Company</u>	<u>Bid Amount (includes tax)</u>	<u>Comments</u>
Prominent Systems, Inc.	\$122,757.60	<u>Bid Award - Responsive</u>
Carbon Activated Corp.	\$140,730.00	Responsive

Staff has identified Prominent Systems, Inc. as the lowest responsive and responsible bidder.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of the Sanitation District's Purchasing Ordinance. This item has been budgeted in Division 830 and 840, line item 65 Operating Budget 830.54030.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
07/01/2020	\$122,758	\$18,414 (15%)

ATTACHMENT

The following attachment(s) may be viewed on-line at the OCSD website (www.ocsd.com) with the complete agenda package:

N/A