



Orange County Sanitation District

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Agenda Report Details (With Text)

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Title: INSTALLATION AND DISPOSAL OF ACTIVATED CARBON FOR PLANT NO. 1 T&D ODOR CONTROL SYSTEM, SPECIFICATION NO. S-2022-1316BD

Sponsors: Riaz Moinuddin

Indexes:

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Attachments: 1. Agenda Report

Date	Ver.	Action By	Action	Result
5/25/2022	1	BOARD OF DIRECTORS		
5/4/2022	1	OPERATIONS COMMITTEE	Recommended for Approval	

FROM: James D. Herberg, General Manager
Originator: Riaz Moinuddin, Director of Operations & Maintenance

SUBJECT:

INSTALLATION AND DISPOSAL OF ACTIVATED CARBON FOR PLANT NO. 1 T&D ODOR CONTROL SYSTEM, SPECIFICATION NO. S-2022-1316BD

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Purchase Order Contract to Karbonous, Inc. to provide Installation and Disposal of Activated Carbon for Plant No. 1 T&D Odor Control System, Specification No. S-2022-1316BD, for a total annual amount not to exceed \$202,920 for the period beginning August 1, 2022 through July 31, 2023, with four one-year renewal options; and
- B. Approve an annual contingency of \$20,292 (10%).

BACKGROUND

The Thickening and Dewatering (T&D) facility at Plant No. 1 creates nuisance odors associated with operation of the thickening and dewatering centrifuges, the sludge blending tanks, truck loading, and the centrate wetwell. This foul air is treated at the Thickening and Dewatering Odor Control Facility which consists of three trains of chemical scrubbers followed by two activated carbon vessels to ensure that air emissions meet South Coast Air Quality Management District (AQMD) permit and nuisance odor requirements at all times.

The Orange County Sanitation District (OC San) Plant No. 1 T&D Odor Control Facility is equipped with two activated carbon vessels/filter beds for polishing treated foul air. The carbon beds work in a duty/standby configuration to ensure all emissions from the solids processing meet the AQMD permit and nuisance limits.

RELEVANT STANDARDS

- Maintain a proactive asset management program
- 24/7/365 treatment plant reliability
- Protect OC San assets

PROBLEM

The carbon beds in the Plant No. 1 T&D Odor Control Facility adsorb odorant compounds to prevent their release into the ambient air. Over time, the activated carbon loses the ability to hold or store these odorant compounds. Fully consumed activated carbon beds must be removed and replaced with fresh activated carbon media to continue to remove odorant compounds.

PROPOSED SOLUTION

Staff recommends that a Purchase Order Contract be awarded to Karbonous, Inc. to replace the spent activated carbon in the Plant No. 1 T&D Odor Control Facility to ensure consistent compliance with OC San's AQMD permit to operate.

TIMING CONCERNS

The current contract expires July 31, 2022.

RAMIFICATIONS OF NOT TAKING ACTION

Odor complaints near Plant No.1 and across the Santa Ana River may occur when the polishing activated carbon is not used or is deficient.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

Staff received a renewal offer from the incumbent vendor which was a 75% increase from the current cost to match current industry pricing. Staff attempted to negotiate, but the company offered no flexibility, so it was determined to re-bid. OC San received three responsive bids and the lowest bid was from the incumbent at a price slightly lower than the original renewal offer. Four bids were received as listed in the table below.

Company Name	Bid Amount	Determination
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Karbonous, Inc.	\$202,920	Responsive
Carbon Activated Corp.	\$227,304	Non-Responsive
PureAir Filtration, LLC	\$240,000	Responsive
Advanced Chemical Transport, Inc.	\$534,045	Responsive

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

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of OC San’s Purchasing Ordinance. This item has been budgeted in the FY 2022-23 and FY 2023-24 Budget, Division 830 (Line item: 830.54030).

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
05/25/2022	\$ 202,920	\$ 20,292 (10%)

ATTACHMENT

The following attachment(s) may be viewed on-line at the OC San website (www.ocsan.gov) with the complete agenda package:

N/A

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