

## Agenda Report Details (With Text)

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**Title:** TRIPLE QUADRUPOLE MASS SPECTROMETER (TQMS)  
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Date	Ver.	Action By	Action	Result
6/10/2020	1	ADMINISTRATION COMMITTEE		

**FROM:** James D. Herberg, General Manager  
Originator: Lan C. Wiborg, Director of Environmental Services

### SUBJECT:

### TRIPLE QUADRUPOLE MASS SPECTROMETER (TQMS)

### GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

Approve a purchase order to VWR for a Triple Quadrupole Mass Spectrometer (TQMS) System in the amount of \$277,228.34 (including the TQMS system, freight, sales tax, and two (2) year extended warranty) in accordance with Ordinance No. OCSD-52, Section 2.03(B): Cooperative Procurement; (NASPO Value Point Master Agreement No. MA16000234-2 created by the State of Idaho which California (CA) agencies may utilize (CA Participating Addendum No. 7-16-99-26-01)).

### BACKGROUND

The Triple Quadrupole Gas Chromatograph Mass Spectrometer (TQMS) system is needed to analyze fish tissue and sediment samples for the ocean monitoring program as required by the Orange County Sanitation District's (Sanitation District) Ocean Discharge Permit, Southern California Bight Regional Monitoring Survey, and various special projects. This purchase request is to replace a Gas Chromatography Mass Spectrometer system that has exceeded its service life.

### RELEVANT STANDARDS

- Ensure the public's money is wisely spent
- Comply with environmental permit requirements

- Maintain a culture of improving efficiency to reduce the cost to provide the current service level or standard
- Cultivate a highly qualified, well-trained, and diverse workforce

## **PROBLEM**

This request is to replace an 11-year old analytical instrument that has exceeded the manufacturer-recommended serviceable life of 7-10 years. Instrument breakdown has increased due to age and sample turnaround time has consequently increased due to the need to repeat analysis. In combination, these occurrences have increased the Sanitation District's expenditure on staff time, replacements parts, and repair services. Purchasing the updated TQMS system will equip the Sanitation District with a more reliable system that uses current technology and provides enhanced instrument capabilities to better support regulatory compliance.

## **PROPOSED SOLUTION**

Award a purchase order to VWR for the Triple Quadrupole Mass Spectrometer (TQMS) System in the amount of \$277,228.34 to replace the current system.

## **TIMING CONCERNS**

Potential cost and down time may increase if the current system is not replaced in a timely manner.

## **RAMIFICATIONS OF NOT TAKING ACTION**

Loss of compliance for the analysis of PCBs/pesticides in support of the core monitoring samples as required by the NPDES permit.

## **PRIOR COMMITTEE/BOARD ACTIONS**

N/A

## **ADDITIONAL INFORMATION**

The National Association of State Procurement Officers (NASPO, formerly WSCA-NASPO) agreements are available to all State of California governmental entities (e.g. state agencies, cities, counties, special districts, school districts, universities) that expend public funds for the acquisition of both goods and services.

The State of California purchases a wide variety of goods and services ranging from pencils to temporary labor under these agreements. Annual purchases total nearly \$10 billion. The Procurement Division is the central purchasing authority for all State departments and local government agencies. With a massive marketplace and billions of dollars in purchasing power they can offer a lower procurement cost to California's state, county, city, special districts, education and other government entities through their Leveraged Procurement Agreements. Leveraged Procurement Agreements allow entities/agencies to buy directly from suppliers through existing contracts and agreements. One of these that the state offers to California governmental agencies is the National Association of State Procurement Officers for Commodities, IT Goods & Services, and

Telecommunication Goods and Services.

**CEQA**

N/A

**FINANCIAL CONSIDERATIONS**

The cost for the TQMS system has been budgeted as capital equipment for fiscal year 2019-2020. The quoted amount of \$254,922.61 (Total list price: \$419,330.91 less total discount of \$164,408.30 includes the TQMS system, freight, and two (2) year extended warranty. Sales tax is estimated to be \$22,305.73, for a total of \$277,228.34.

This request complies with authority levels of the Sanitation District's Purchasing Ordinance. (Orange County Sanitation District Budget: Section 8, Page 100).

**ATTACHMENT**

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

N/A