



OPERATIONS COMMITTEE

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Agenda Report

File #: 2021-1984

Agenda Date: 12/1/2021

Agenda Item No: 6.

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

SUBJECT:

COLLECTION SYSTEM CONDITION MONITORING SERVICE

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

- A. Approve a Five-Year Service and Monitoring Purchase Order Agreement with Hardonex, Inc. (dba SmartCover Systems) for field device communication and monitoring services, for the total amount of \$177,778, billed in annual installments; and
- B. Approve a contingency of \$17,777 (10%) for service fee changes due to adding field devices based on the need.

BACKGROUND

The Orange County Sanitation District (OC San) previously purchased monitoring devices from SmartCover Systems to continuously monitor wastewater and odor levels in the collection system below the manhole cover. These units communicate field conditions back to a computer server via satellite. The field conditions are continuously displayed on a dashboard that generates alarms to staff for abnormal conditions, compiles data used to determine collection system cleaning frequencies, and chemical dosing for odor and corrosion control.

SmartCovers have been deployed to measure water levels at potential spill points and areas that could experience surcharging during high flow situations or pump station failures to reduce the risk of sewer spills. SmartCovers are able to provide real time hydrogen sulfide gas levels which allows for the optimization of chemical dosing. SmartCover water level information is also used to determine optimal cleaning intervals for "hot spots" in the collection system.

RELEVANT STANDARDS

- Maintain a protective asset management program
- Commitment to safety & reducing risk in all operations
- Protect OC San assets

PROBLEM

The SmartCover devices are intended to be in service for a minimum of five years. They require communication and monitoring services available only by the manufacturer. The monitoring fee per unit, when paid individually, is at full list price.

PROPOSED SOLUTION

Enter into a Five-Year Purchase Order Agreement with SmartCover Systems for field device communication and monitoring services for a 7.5% savings off the list price fees.

TIMING CONCERNS

N/A

RAMIFICATIONS OF NOT TAKING ACTION

Communication and monitoring fees for SmartCover field devices are paid at the full list price.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

SmartCovers monitoring device quantity may increase or decrease over the term period depending on the need. The contingency amount covers the intended associated service fees for new devices.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of the OC San Purchasing Ordinance. This budgeted recommendation is under the Budget Update, FY 2021-2022 Operations and Maintenance Department, Repairs and Maintenance line item, Operating Expense, Page 45. The available funding is sufficient for this action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
12/01/2021	\$177,778	\$17,777 (10%)

ATTACHMENT

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

N/A