



Orange County Sanitation District

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OPERATIONS COMMITTEE

Agenda Report

File #: 2019-682

Agenda Date: 11/6/2019

Agenda Item No: 12.

FROM: James D. Herberg, General Manager
Originator: Kathy Millea, Director of Engineering

SUBJECT:

CLIMATE RESILIENCY STUDY, PROJECT NO. SP-152

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

Information Item.

BACKGROUND

Governor's Executive Order #S-13-08 (EO-S-13-08) directs state agencies to plan for sea level rise and climate impacts through coordination of the State Climate Adaptation Strategy. The Orange County Sanitation District's (Sanitation District) Climate Change/Environmental Footprint Initiative started in 2007 and has completed a detailed carbon footprint study. In addition, the Sanitation District developed a strategy to respond to climate change regulations, public outreach and education, as well as research initiatives related to energy efficiency and sustainable technologies.

The location of Plant No. 2 and several pump stations along the coast make them vulnerable to disruptions due to climate change impacts. Similar studies done by other agencies on extreme events have shown that, in most cases, the costs of repairs were significantly higher than the costs of mitigation and adaptation strategies.

Climate Resiliency Study, Project No. SP-152, which was awarded by the Board of Directors on November 28, 2018, conducted a site-specific climate risk assessment for the Sanitation District's coastal facilities and provided recommendations for mitigation and adaptation strategies. Staff will present an overview of the study recommendations.

RELEVANT STANDARDS

- Maintain a proactive asset management program
- 24/7/365 treatment plant reliability
- Protect Orange County Sanitation District assets
- Sustain 1, 5, 20-year planning horizons

PRIOR COMMITTEE/BOARD ACTIONS

November 2018 - Approved a Professional Services Agreement with Hazen and Sawyer to provide engineering services for the Climate Resiliency Study, Project No. SP-152, for an amount not to exceed \$697,952; and approved a contingency of \$69,795 (10%).

ADDITIONAL INFORMATION

The Environmental Protection Agency (EPA) is currently drafting the Sanitation District's NPDES Ocean Discharge Permit for renewal. The EPA has indicated that the new permit may include a requirement to address impacts with climate change and sea level rise. This study would comply with such requirements.

CEQA

The project is exempt from CEQA pursuant to CEQA Guidelines Section 15262 [Feasibility and Planning Studies]. A Notice of Exemption was filed with the OC Clerk-Recorder on December 3, 2018.

FINANCIAL CONSIDERATIONS

This item is informational and does not require any commitment of funds.

ATTACHMENT

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

- SP-152 OCSD Climate Resiliency Executive Summary

AN:sa:gc