

Agenda Report

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

SUBJECT:

SEISMIC EVALUATION OF STRUCTURES AT PLANT NOS. 1 AND 2, PROJECT NO. PS15-06

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION:

Information Item.

BACKGROUND

Most of the process and occupied structures at the Orange County Sanitation District (Sanitation District) Plant Nos. 1 and 2 were designed and built using codes prior to the 1997 Uniform Building Code and 2001 California Building Code. For this reason, the Sanitation District recently completed a planning-level study, Seismic Hazard Evaluation at Plant Nos. 1 and 2 (Project No. PS15-06), which assessed the vulnerability of critical and occupied structures to damage or failure due to shaking, liquefaction, and lateral spreading following an earthquake.

The results and recommendations from this study will be incorporated into the Sanitation District's 20-year Capital Improvement Program to improve the resiliency and continued operation of critical and occupied facilities within the treatment plants.

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

June 2017 - Approved a Professional Services Agreement with Geosyntec Consultants to provided engineering services for the Seismic Hazard Evaluation at Plant Nos. 1 and 2, Project No. PS15-06, for an amount not to exceed \$2,578,028; and approved a contingency of \$257,800 (10%).

ADDITIONAL INFORMATION

N/A

CEQA

The project is exempt from CEQA, under the Class 6 categorical exemptions set forth in California Code of Regulations Section 15306 because the project consists of basic collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to environmental resources. A Notice of Exemption was filed with the OC Clerk-Recorder on December 21, 2015.

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:

- Seismic Evaluation of Structures at Plant Nos. 1 & 2
- Presentation

EY:sa:gc