Oceanside Treatment Plant: Digester Gas Utilization Upgrade Project

Upgrades are Underway in Our Sewer System

The Oceanside Treatment Plant (OSP) is one of two critical all-weather wastewater treatment facilities serving San Francisco. It treats sanitary and stormwater flow from the west side of the City 24 hours a day, 365 days a year. The OSP, located on the Great Highway near the SF Zoo, has been in service for numerous decades in the harsh marine environment. As part of the SFPUC’s Sewer System Improvement Program (SSIP), several projects are planned, or underway, to upgrade and modernize SFPUC wastewater facilities to ensure continued protection of public health and the environment. In addition, these improvements will advance our goal of transforming our sewer system from pollution treatment to resource recovery.

The OSP Digester Gas Utilization Upgrade Project is among these upgrades identified as part of the SSIP. This project will replace and upgrade the existing outdated biogas energy recovery system at the OSP. Biogas is the natural byproduct from the wastewater treatment process. This energy source provides a 100% renewable alternative to fossil-fuel that helps co-generate electrical power and produce hot water required for the plant wastewater treatment processes.

Estimated Construction Schedule

| 2018 | 2019 | 2020 | 2021 |

STARTED NOVEMBER 2018, COMPLETION FEBRUARY 2021

Project Benefits

- Increase reliability and redundancy of process equipment
- More efficient use of the non-potable disinfected water, natural gas, and hot water pipe systems for plant operations
- Reduce carbon footprint and dependency on commercially available natural gas and electricity
- Increase utilization of recovered biogas resources to generate power and hot water at the OSP
- Provide onsite emergency standby electrical power

For more information, visit
sfwater.org/SSIP
What to Expect During Construction

- All work will occur within the footprint of the Oceanside Treatment Plant, and no traffic impacts are anticipated at this time.
- Key project work areas will include: the Digester Gas Facility, Energy Recovery Building, Boiler Room, Flare Building, and Diesel Generator Fuel Storage.
- The OSP will remain fully operational during the project timeline, and no interruption of service is anticipated.
- All work will abide by San Francisco noise, dust control, and vibration ordinances.

State Revolving Fund

Funding for this project has been provided in full or in part through an agreement with the State Water Resources Control Board. California’s Clean Water State Revolving Fund is capitalized through a variety of funding sources, including grants from the United States Environmental Protection Agency and state bond proceeds. The contents of this document do not necessarily reflect the views and policies of the foregoing, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

About the Sewer System Improvement Program

The Oceanside Treatment Plant Digester Gas Utilization Upgrade Project is a part of the Sewer System Improvement Program (SSIP), a 20-year, multi-billion dollar citywide investment required to upgrade our aging sewer system.

The SSIP is the result of an nine-year community planning process and will ensure a reliable, sustainable, and seismically safe sewer system now and in the future.

Construction & Project Contact Information:

- Construction questions: 3-1-1
- Project questions and SFPUC General Hotline: (415) 554-3289
- For more information: sfwater.org/ssip

Para una copia de este material en español o para más información en español, por favor póngase en contacto con nosotros en (415) 554-3289 o info@sfwater.org.

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