Westside Pump Station Reliability Improvements Project

Upgrades are Underway in Our Sewer System

The Westside Pump Station (WSS) is an all-weather facility that pumps the sanitary and stormwater flow from the West side of the City to the Oceanside Treatment Plant. The WSS and associated facilities have been in service for numerous decades in the harsh marine environment. The aging mechanical and electrical infrastructure must operate daily to maintain water quality requirements.

To meet the goals of the Sewer System Improvement Program (SSIP) Levels of Service (LOS) goals, a condition assessment of the WSS was conducted, and the following vulnerabilities were identified: inadequate cooling of electrical equipment; deficient solids screening; inefficient and labor intensive solids handling; equipment that is past its useful life or damaged by the corrosive environment; redundancy vulnerabilities; and a lack of back-up electrical power service. Improvements and modifications are needed to ensure the WSS is reliable and operationally flexible, that it contains equipment redundancy, and remains compliant with State and Federal regulations.

Existing public art installation, Earth Air Sea, by Mary Fuller, commissioned in 1986

The SSIP’s Levels of Service (LOS) goals and strategies that apply to the Westside Pump Station Reliability Improvements Project are listed below:

• Provide a compliant, reliable, resilient, and flexible system that can respond to catastrophic events
  - Full compliance with state and federal regulatory requirements
    • Critical functions built with redundant infrastructure
    • Upgrade plants with redundant electrical feeds

• Provide benefits to impacted communities
  - Limit odor to within the treatment facility’s fence line

Estimated Construction Schedule

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TARGET START SPRING 2021, COMPLETION FALL 2023
Project Improvements

- Retrofit four existing wet-weather pumps to provide redundancy within the existing facility footprint
- Upgrade and expand screening equipment and compaction systems to improve solids handling
- Replace a 200-foot-long, 54-inch diameter force main
- Evaluate the WSS power capacity to account for retrofitted wet weather pumping capacity and install a new independent commercial power supply line to provide power source redundancy. The new power line would run approximately 3,000 feet along Sloat Blvd. and terminate at a new service transformer within a new electrical building on site
- Demolish the existing odor control unit and replace existing dilution exhaust ventilation fans
- Expand the ventilation system to meet the LOS goals for limiting odor impacts to the surrounding neighborhood
- Additional site improvements include access for the new electrical building, new security fencing, vehicle/pedestrian gates, and landscaping for new planting areas

For more information, visit sfwater.org/ssip

About the Sewer System Improvement Program

The Westside Pump Station Reliability Improvements 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.