

SOUTHEAST TREATMENT PLANT BIOSOLIDS DIGESTER FACILITIES

BORROWER: San Francisco Public Utilities Commission (SFPUC)

LOCATION: San Francisco, California

WIFIA LOAN AMOUNT: \$699 million

TOTAL WIFIA PROJECT COSTS: \$1,427 million

POPULATION SERVED BY SYSTEM: 1.7 million people

NUMBER OF JOBS CREATED: 3,300 jobs



Photo credit: SFPUC/San Francisco Public Works/MWA Architects

PROJECT DESCRIPTION

SFPUC will replace its existing, outdated solids treatment facilities with new biosolids digester facilities. The new facilities are designed to produce higher-quality Class A biosolids, capture and treat odors more effectively, and maximize biogas utilization and energy recovery. This project will provide a new, efficient solids treatment system, ensure treatment reliability by meeting current seismic standards and improving standard operations, and reduce the impact on the adjacent community by providing advanced odor control.

PROJECT BENEFITS

- Produces up to 24,000 dry tons of Class A biosolids annually by 2045.
- Ensures treatment reliability by meeting current seismic standards and improving standard operations.
- Reduces operating costs by improving energy efficiency and recovery.
- Minimizes impact on neighborhood by significantly reducing noise and odor problems.
- Reduces the air quality impacts of the plant.
- Provides quality job-training opportunities during design, construction, and operations.
- Original loan executed in 2018 saves San Francisco Public Utilities Commission up to \$226 million from financing with a WIFIA loan compared to a bond issuance.
- Re-execution of the WIFIA loan in 2020 saves the San Francisco Public Utilities Commission an additional \$432 million.