

Urban & Multibenefit Drought Relief Grant

Drought Emergency Relief Project is Complete & Grant Agreement Closed Out



Mobile Water Treatment System

AIR-RIDE-EQUIPPED

AWARDED

\$8,570,000

Great Dane

Groundwater Well

Big Oak Flat

Additional water supply to serve the demands of Big Oak Flat in an extreme or extended drought scenario.

TEST WELL

Start: February 2024

End: February 2025

FULL PRODUCTION WELL

Start: September 2025

End: February 2026

\$1,373,297



Should the Hetch Hetchy water supply ever be reduced significantly by the state or SFPUC, this new water supply will meet the needs of Big Oak Flat.

SCENARIO

An extended drought results in a mandatory 50% reduction in our water drawn from Hetch Hetchy. This would assist in meeting the water needs of Big Oak Flat.

Water Tank & Pipeline

Big Oak Flat

Additional water storage for when the Big Oak Flat water system is operating on the new well. The pipeline connects the new tank to the BOF system, so it can operate in addition to the Groveland part of the water system. Fire hydrants were installed along the new pipeline to improve firefighting capabilities in an area that had no fire hydrants.

Start: November 2024
End: February 2026

\$2,861,703



Allows the water from the groundwater well to be stored and distributed to the Big Oak Flat system and assist with consumption demand while maintaining water storage for fire protection. The pipeline and tank were needed for the well to function as an emergency water supply. The pipeline and tank also provide adequate stored water and pressure in the Big Oak Flat system to meet current fire flow standards, thus positively affecting the community ISO rating and reducing insurance costs. In the past, when fire hydrants in Big Oak Flat were operated, some customers had reduced water pressure, and this pipeline solved that problem. Also, maintenance and emergency repairs can be performed on the system without turning off the entire community.

Alternate Water System (AWS) Treatment Plant Relocation

Groveland

Permanently installed and efficiently operating alternative water supply treatment plant to reliably serve community water demand during any planned or emergency interruption of our Hetch Hetchy water supply.

PIPELINE
 Start: September 2025
 End: February 2026

PLANT RELOCATION
 Start: August 2025
 End: February 2026

\$4,310,000



The permanent installation reduces treatment plant deployment/startup time, reduces operating costs (staff hours/overtime) and ensures the community has adequate water supply during emergencies.

SCENARIOS

Natural disaster causing an unplanned tunnel outage is announced by SFPUC and we need an alternate water source within days. Our old AWS would take up to a month to set up and operate to meet demand and water quality standards. The new installation will meet demand within a few days.

A major pump failure occurs at our Big Creek water plant during high summer water demand causing the need for immediate customer water conservation before the tanks drain. The permanent AWS can be operated quickly to supplement our treated water supply until the pump is repaired.

