

SOUTHEAST SURFACE WATER TREATMENT FACILITY

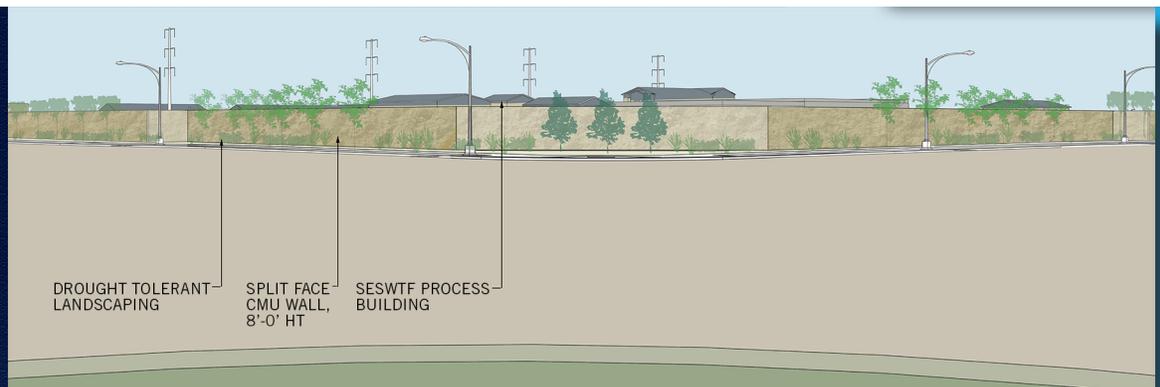


A milestone project to reduce dependence on area groundwater is now being constructed. On Nov. 20, 2015, the Fresno City Council approved a contract award for construction of the Southeast Surface Water Treatment Facility to W.M. Lyles Co. Work is now underway with completion set for 2018.

The Southeast Surface Water Treatment Facility (SESWTF) is a key element of "Recharge Fresno" – the City of Fresno's long-term effort to ensure a sustainable water supply. Recharge Fresno will reduce the City's reliance on our rapidly declining groundwater supply, by building infrastructure to capture and use available surface water allocations. The City's plan is a comprehensive, multi-year infrastructure program.

SESWTF Highlights

- Key component of area-wide water system improvement program
- 80 million gallons per day (mgd) ultimate drinking water treatment capacity (54 mgd initially)
- Optimally located to treat water from the Kings River
- Served by a new 13-mile pipeline to bring in surface water from the Kings River



SESWTF
3D rendering



View looking northwest
at North Armstrong and
East Olive

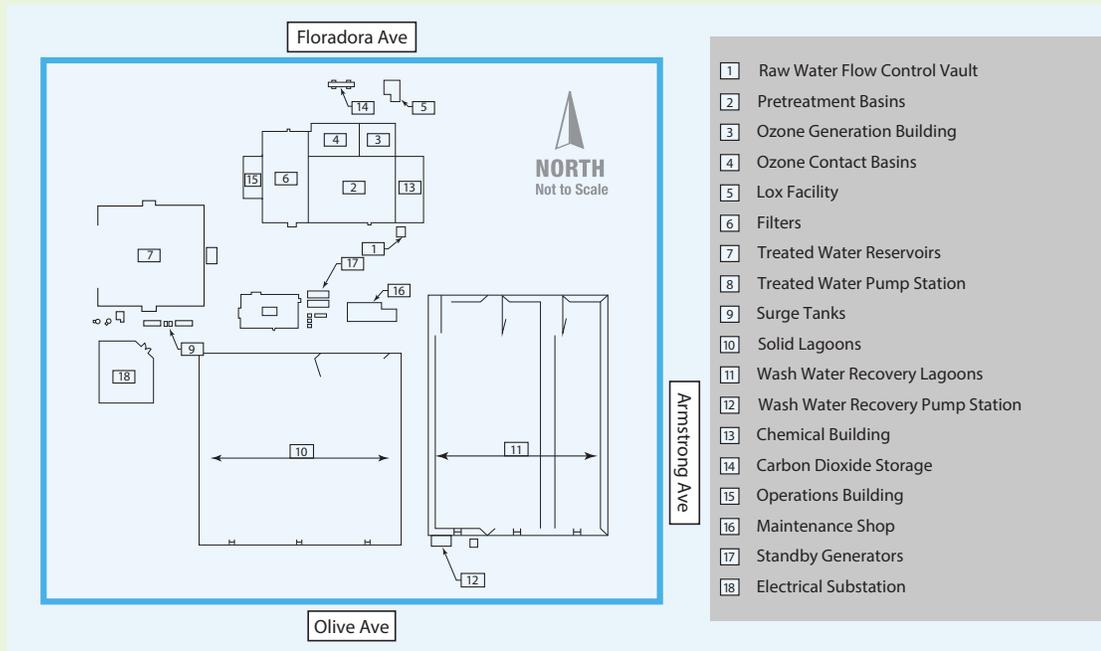


SESWTF Site Plan

About the Southeast Surface Water Treatment Facility

Capacity: 80 million gallons per day (mgd) ultimate drinking water treatment capacity (54 mgd initially).

Location: 58-acre property at the northwest corner of Armstrong and Olive avenues, southeast of the City of Fresno in Fresno County. This location was selected due to its proximity to the Kings River on the eastern edge of the City's service area.



Schedule



Detailed schedule information is available on www.RechargeFresno.com.

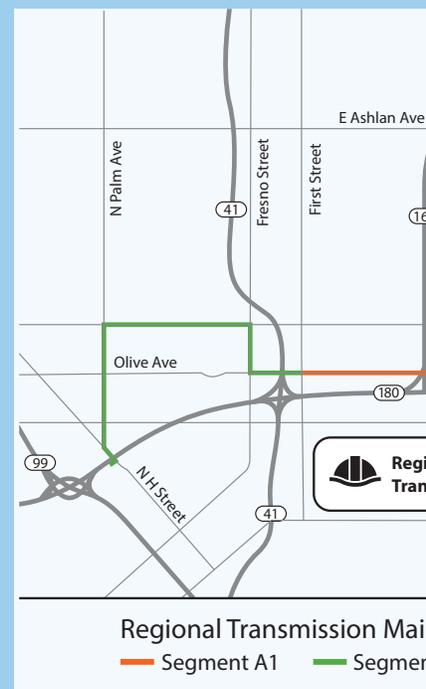
Structures: Pre-treatment, filtration, disinfection, chemical buildings and equipment to create clean, safe drinking water. A sub-station will be constructed to distribute power from Pacific Gas & Electric. The facility will also be constructed to allow for the installation of solar energy in the future. Concrete and masonry block will be the primary construction material for the facility structures. Piping and chemical storage tanks will be generally constructed of steel and fiberglass.

Landscaping: A mix of native and drought tolerant foliage and trees planted once construction is complete along the perimeter of the facility site to provide attractive screening from adjacent roadways and homes.

Off-Site Improvements: Installation of water, sewer and storm drain utilities, along with enhanced street improvements.

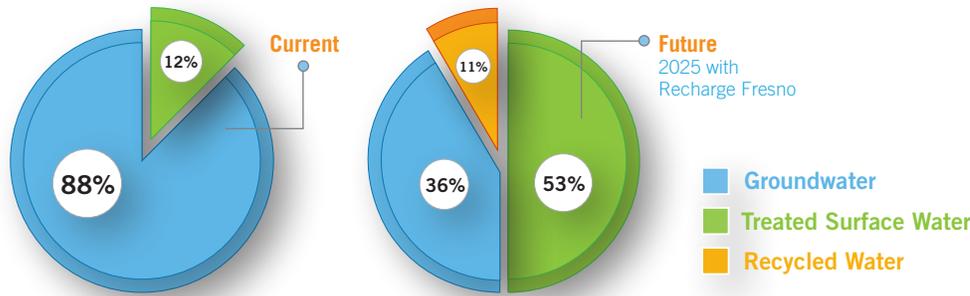


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Why Is the SESWTF Needed?

Until 2004, groundwater was Fresno’s only source of drinking water. Today, the City gets a small portion of its water from the San Joaquin and Kings rivers but continues to rely on groundwater for nearly 90 percent of its supply. Groundwater levels have dropped 100 feet in the last 80 years and four feet in 2014. The SESWTF facility will allow the City to maximize use of available surface water, and reduce the use of groundwater resources which benefits the entire region.



How Does a Water Treatment Facility Work?

The treatment process involves a series of steps to ensure that raw – or untreated – surface water is purified and sanitized to meet state and federal water quality standards before it is delivered to customers.

For the SESWTF, raw water will be captured from the Kings River and delivered to the treatment facility through a 13-mile, large-diameter water pipeline. A screen will remove large objects before water enters the pipeline. Other treatment processes will remove sediments, after which the water will be disinfected and filtered before delivery to water customers. There is little noise or odor associated with this water treatment process.

Maximizing Use of Available Surface Water

Recharge Fresno includes three significant water infrastructure improvement projects designed to access, treat and distribute water from the Kings River.

The **Kings River Pipeline** is a 13-mile, 72-inch diameter pipeline that will carry water from the Kings River to the SESWTF for treatment to high quality drinking water standards. The **Regional Transmission Mains** include four segments which, together, total 13-miles of 20-inch diameter to 66-inch diameter water pipelines that will carry clean drinking water to City of Fresno residents and businesses.

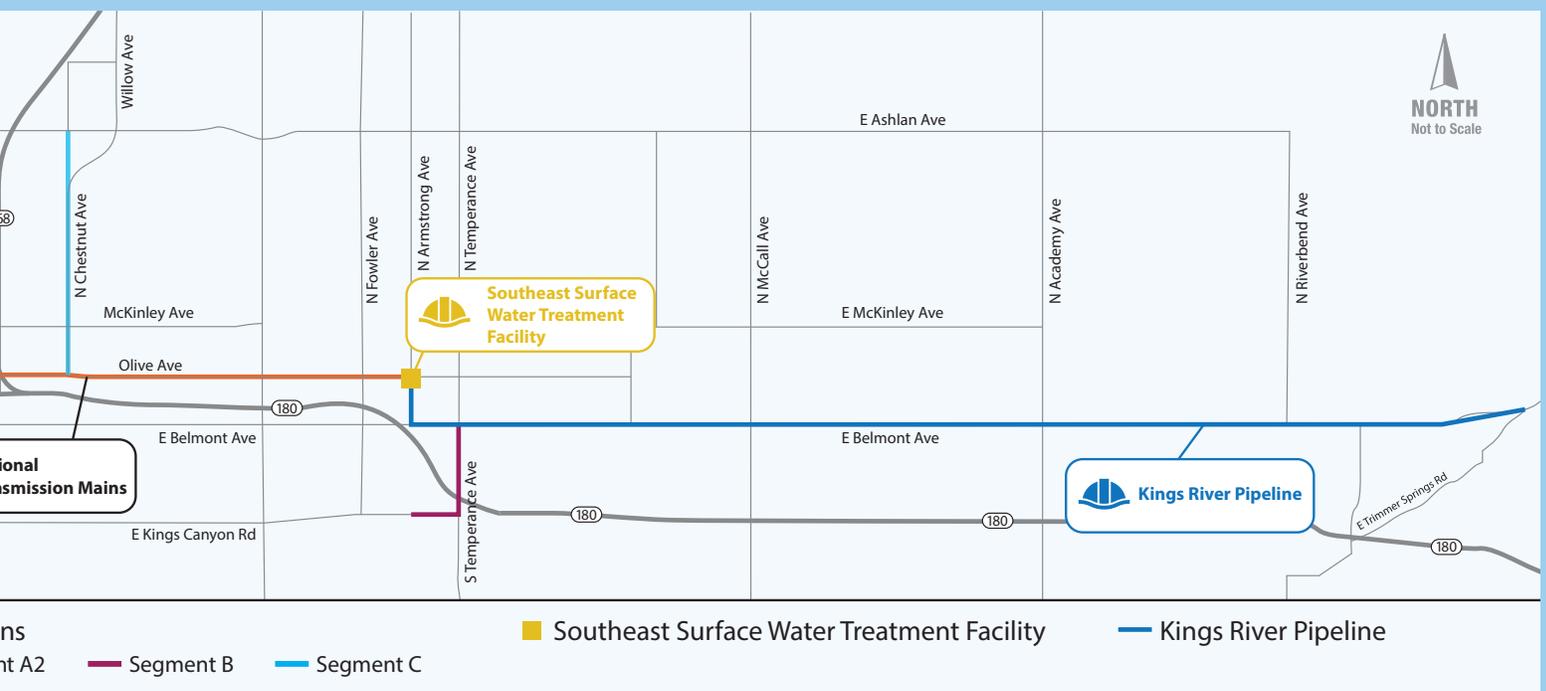
Anticipated Construction Schedule:

Kings River Pipeline

June 2016-January 2018

Regional Transmission Mains

August 2016-April 2018



Phases of Construction

- **Planning:** The contractor prepares a schedule, obtains permits, organizes workforce, orders materials and mobilizes equipment (*January 2016*).
- **Site Clearing:** The site is prepared for construction including setting up temporary offices (*February 2016*).
- **Site Work:** The site is graded, excavated and prepared for underground piping and structural slabs. Site work involves installing large underground pipes, manholes, structural foundations, temporary offices, security fencing and site drainage.
- **Structural Facilities:** The soil is compacted; structural forms, rebar and conduits are installed; and concrete is poured. The overhead structural steel and roof decking is then constructed.
- **Electrical, Process Mechanical and Instrumentation:** After the structures are substantially completed, remaining mechanical and electrical equipment is installed throughout the site.
- **Architectural and Landscaping:** Specialized crews apply final finishes that include tile, flooring, windows, paint and wall fixtures, and installation of drought tolerant landscaping.
- **Paving and Striping:** All parking areas, roads, curbs, gutters, sidewalks and designated locations are paved and striped incrementally throughout the site area as large equipment is removed.
- **Startup and Testing:** Design engineers and City personnel confirm equipment is functional and meets design standards. This phase does not involve any heavy equipment.

Minimizing Construction Impacts

The City of Fresno understands the inconveniences posed by construction and will work with school officials, the County of Fresno, neighbors and community leaders to minimize disruption. Measures to control noise, dust, truck traffic and public safety will be in place for the duration of the project. The City will also continue to share traffic plans and routes with neighbors and businesses.

Construction traffic will vary during the construction period but will generally be associated with construction workers, trucks hauling materials to and from the site, and equipment delivery. Flaggers will be provided when necessary in school areas to ensure traffic and pedestrian safety.

We Want to Keep You Informed!

The City of Fresno is committed to keeping neighbors informed about the SESWTF construction project. Throughout the project, notifications will be sent regularly with construction updates; interested community members can sign up at any time to receive project updates and information. Questions or concerns about the project are also welcome; project representatives can be reached at 844-FRESNOH2O (844-373-7664) or by completing the form on www.RechargeFresno.com, under "Contact Us."

Paying for Essential Water Infrastructure

Securing a reliable water supply for Fresno's future requires investment. In February 2015, following unprecedented public participation, the Fresno City Council overwhelmingly supported a five-year water rate increase to fund Recharge Fresno. The action marked a crucial investment in Fresno's water future for the health and vitality of our community, and reflects strong City leadership and a number of improvements based on community input and involvement. The result is a plan that will achieve a balanced and sustainable water supply at an affordable cost.



The City of Fresno has taken a number of steps to secure funding and minimize project costs for customers, while ensuring essential water facilities are in place.