

Machado Lake Pipeline Project

Project Description:

The Machado Lake Pipeline Project is an important water infrastructure investment that will bring recycled water to the local parks, oil refineries and golf courses in the Harbor area for uses such as landscape irrigation and industrial processes. The project will install approximately 3,400 feet of pipeline to bring recycled water from the Terminal Island Water Reclamation Plant.

The project, a joint-agency effort between LADWP, LA Sanitation and the LA Bureau of Engineering, will supply up to 4.2 billion gallons per year of recycled water, via “purple pipeline,” to customers including Harbor Regional Park, Machado Lake and the Dominguez Gap Barrier. The expansion of recycled water use is a significant step toward meeting the Mayor’s goal of reducing the amount of imported water we purchase by 50% by 2024.

Benefits:

- The Machado Lake Pipeline project will help offset the demand for drinking water by providing recycled water for industrial irrigation and environmental uses like maintaining wildlife habitats and supporting recreation.
- LADWP currently serves 3.6 billion gallons of recycled water a year to 46 sites for irrigation, industrial use and seawater barrier intrusion prevention. LADWP’s goal is to use 19.2 billion gallons of recycled water each year by 2035.

Water Quality:

The water will be treated at LA Sanitation’s Terminal Island Water Reclamation Plant, using a reverse osmosis purification process.

Location and Schedule:

The project is located in Wilmington and the Harbor area in the 15th Council District. The work will take place within Wilmington. Construction begins fall of 2016 with completion expected in winter of 2017. Construction will generally take place Monday through Friday between 7:00 am to 4:00 pm. Advanced notice will be provided if night or weekend construction is required.

A 24-inch diameter pipeline approximately 3,400 feet in length will extend north on Figueroa Street, starting just south of the D Street and Figueroa Street intersection, west on West Anaheim Street, and terminate at West I Street, where it will connect to an existing LADWP 24-inch diameter pipeline.

Cost:

Project construction cost is estimated at \$4 million and will be funded by LADWP.

Contact Information:

LADWP

Project Manager
Geoffrey Chen, P.E.
213-367-1140
Geoffrey.Chen@ladwp.com

Bureau of Engineering

Project Manager
Katie Doherty
213-847-0395
Katherine.Doherty@lacity.org