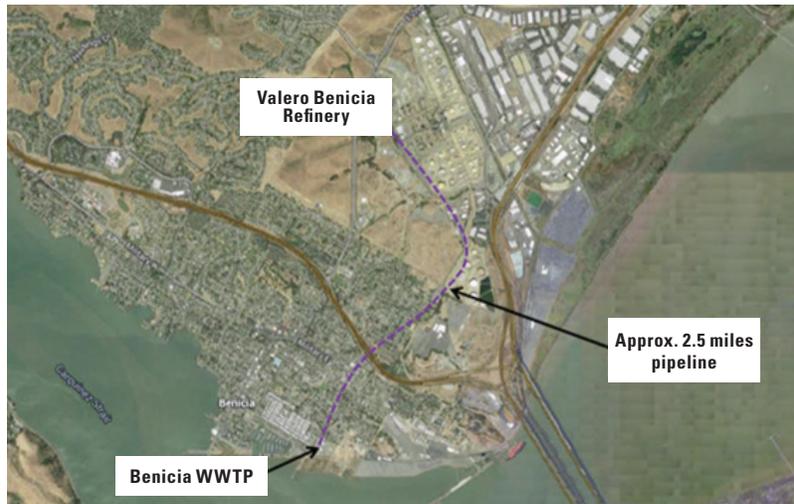


# Benicia Water Reuse Project



Vicinity Map



Project Information

A Western Recycled Water Coalition Project

## Benefits

- Yields a municipal water savings of more than 20%
- Maximizes reuse of wastewater for beneficial uses
- Provides environmental benefits to San Francisco Bay and Delta
- Improves water supply reliability and reduces demand on Delta supplies

## Facilities

- Filtration and ammonia removal treatment processes
- Conveyance pump station
- 2.5 miles of pipeline

## Yield

- 2000 acre feet per year

## Estimated Costs

- \$27 million

## Funding Sources

- Local and State - \$20.25 million
- Seeking Federal - \$6.75 million

The Benicia Water Reuse Project will recycle approximately 2 million gallons per day from the City of Benicia's Wastewater Treatment Plant year-round and convey it to the Valero Benicia Refinery for use in cooling towers. The project will offset the use of an equal volume of imported raw water, reducing Benicia's water demand by more than 20%, providing significant relief to the City's water supply problems.

The current feasibility study will consider additional treatment to remove ammonia and other constituents, as well as investigate conveyance options involving potential reuse of existing pipelines and storage tank. A new pump station and a pipeline are needed to convey the recycled water to the refinery cooling towers located about 2.5 miles away.

The City of Benicia imports most of its water from Federal and State water projects, which have restricted allocations due to the ongoing California drought. This project would reduce demand for imported water by about 2000 AFY, resulting in added flows in the Delta and associated fisheries.

## Project Schedule

Activity	2015	2016	2017	2018
Feasibility Report	█			
CEQA & NEPA		█		
Design			█	
Bid/Construction				█

## For More Info

Contact *Dan Jackson* at 707-944-8851 or [djackson@ci.benicia.ca.us](mailto:djackson@ci.benicia.ca.us)