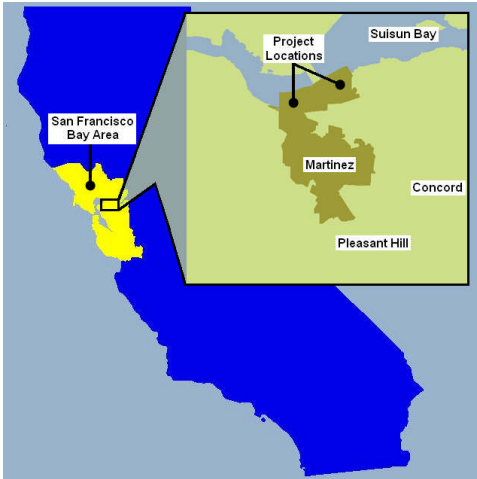
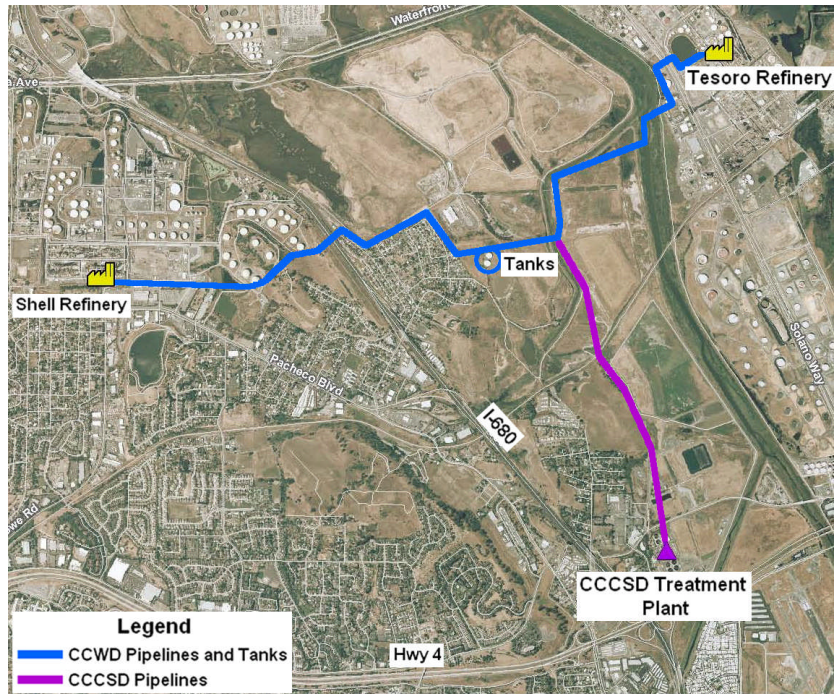


Contra Costa County Refinery Recycled Water Project



Project area shown in map above and in detail map at right.



Benefits of the Contra Costa County Refinery Recycled Water Project:

- Provides a drought-proof supply of up to 22,500 AF/yr of recycled water
- Increases water supply reliability
- Reduces Delta water diversions
- Creates and supports jobs from construction to operation

Proposed Facilities:

- Recycled water treatment facilities including filtration and ammonia removal
- Project would be constructed in four phases with each phase delivering about 5,600 AFY

Estimated Phase 1 Cost:

- \$25 million

Desired Funding (Phase 1):

- \$6.3 million Federal Title XVI
- \$18.7 million local funds and other sources

Got Questions?

Contact Don Berger at CCCSD.
925.229.7259

Background

Recycled water projects using urban wastewater are among the most reliable and drought-tolerant water supplies available to help solve California's water shortage problems. Water recycling is mandated by several California codes and laws and is an integral part of the Central Contra Costa Sanitary District's (CCCSD) mission. Currently, CCCSD has a very successful landscape irrigation program and is actively pursuing supplying the existing Shell and Tesoro refineries in Martinez, California.

Proposed Project Description

The proposed Contra Costa County Refinery Recycled Water Project would increase local water supply reliability by providing up to 22,500 AF/yr (20 million gallons per day) of recycled water to the Shell and Tesoro refineries in Martinez by recycling and reusing treated wastewater from CCCSD. Recycled water would be used to replace Delta water that is currently used for cooling towers and boiler feedwater at each refinery. In order to produce and deliver the recycled water, new treatment and possibly new conveyance facilities must be constructed. Construction would be phased with the first phase supplying 5,600 AF/yr at an estimated cost of \$25M. Additional phases would be constructed as funds become available. In 2011, CCCSD was awarded a \$180,000 Title XVI planning grant from the U.S. Bureau of Reclamation. CCCSD is seeking additional Title XVI funding assistance and project partners to help make this project a reality and meet California's urgent need for water, while providing new jobs in construction and operations to stimulate the local economy.

