



WOODLAND-DAVIS
Clean Water Agency

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PROJECT OVERVIEW

Project

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ABOUT THE PROJECT

The regional surface water supply project provides water to more than two-thirds of the urban population of Yolo County, CA. It also serves UC Davis, a project partner. It largely replaces deteriorating groundwater supplies with safe, more reliable surface water supplies from the Sacramento River.

PRIMARY PROJECT GOALS

- Provide a sustainable, high-quality water supply to help meet existing and future needs
- Improve drinking water quality
- Improve the quality of treated wastewater

PROJECT DETAIL

The project includes a jointly-owned and operated intake on the Sacramento River (WDCWA in partnership with Reclamation District 2035), a raw water pipeline connecting the intake to a regional water treatment facility, and separate pipelines delivering treated water to Woodland, Davis and UC Davis. Woodland and Davis each made improvements to their respective water supply infrastructure, including distribution pipelines, water storage tanks and booster pump stations.

The project diverts up to 45,000 acre-feet of water per year from the Sacramento River. Water rights were granted in March 2011, and are subject to conditions imposed by the state. Water diversions are limited during summer and other dry periods. A more senior water right for 10,000 acre feet was purchased from the Conaway Preservation Group to

provide summer water supply. Groundwater will continue to be used in Davis during periods when demand for water cannot be met with surface water supplies alone. The City of Woodland will rely on Aquifer Storage Recovery (ASR) wells to meet peak demand.

The water treatment facility can supply up to 30 million gallons of water per day, with an option for future expansion to 34 million gallons per day. Of the 30 million gallons per day, Woodland's share of treated surface water is 18 million gallons per day, Davis' share is 10.2 million gallons per day, and UC Davis' share is 1.8 million gallons per day.

Approximately 4.5 miles of pipeline transports "raw" water from the surface water intake on the Sacramento River to the water treatment plant located south of Woodland. From there, the treated water travels 7.8 miles via pipeline to Davis, and approximately 1.4 miles to Woodland.

PROJECT COST

The cost for project development and implementation was \$279.2 million. The bulk of the project is funded through customer water rates. Actions to reduce Project cost impacts to customers, included:

- Secured state and federal funding to reduce projected rate increases.
- Partnering with Reclamation District 2035 to jointly finance, construct, own, and operate the water intake facility

and operate the water intake facility.

- Awarding a Design-Build-Operate (DBO) service contract for the construction of project facilities. The Agency selected CH2M Hill, a highly-qualified contractor, to design, build, operate and maintain the water treatment facility. This resulted in lower construction costs and reduces fixed costs for operations for up to 15 years.
- Appropriately sizing the water treatment facility based on detailed studies of current and future anticipated demand for water.

PROJECT TIMELINE

Construction of the project facilities, including the regional water treatment facility began April 2014. The Project facilities were completed in July 2016. *View the construction time-lapse video (<https://www.youtube.com/playlist?list=PLYTcmbxuCHvXSw18Srizk5OR5pnYnVmpl>), and the construction time-lapse photo slideshow below.*

CH2MHILL slideshow



RWTF construction time-lapse aerials, 2014-2016.

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