

WATER RESOURCES

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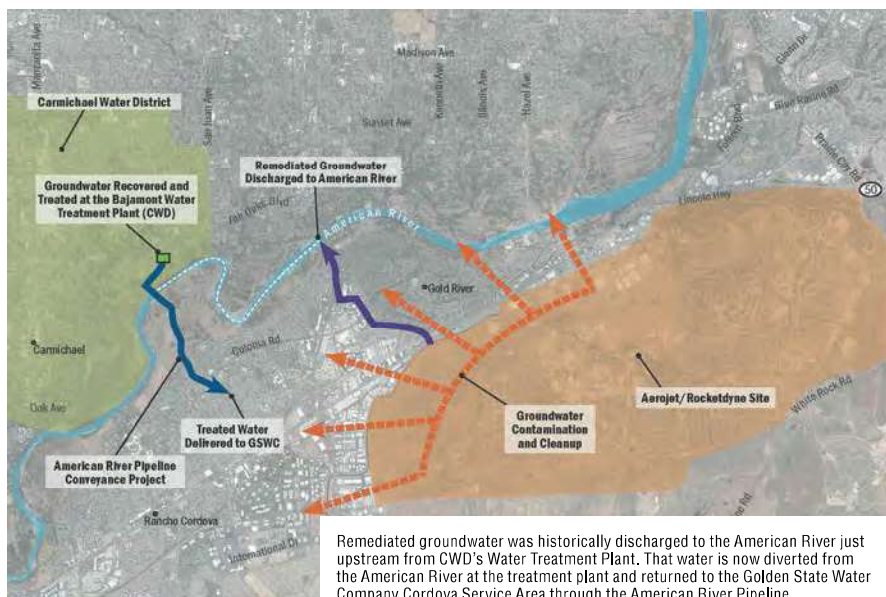
November 2017 | Volume 19 | Number 6

West Coast Water



AMERICAN WATER RESOURCES ASSOCIATION

Carmichael Water District's Collaborative American River Pipeline Conveyance Project to Receive National IWRM Award from AWRA



AWRA IS PLEASED to announce that Carmichael Water District's American River Pipeline Conveyance Project – developed through private and public partnerships with Aerojet/Rocketdyne (Aerojet) and Golden State Water Company (GSWC) – is the 2017 winner of the association's prestigious Integrated Water Resources Management (IWRM) Award.

The award will be presented during the Annual Awards Luncheon at the association's annual Water Resources Conference, November 8, 2017, Red Lion Hotel on the River – Jantzen Beach in Portland, OR.

"This is a great demonstration of public and private partnerships coming together to find solutions to achieve benefits for our community" adds Steve Nugent, Carmichael Water District general manager.

Developed to provide a replacement water supply for GSWC's customers in the city of Rancho Cordova, CA, where supplies were lost due to groundwater contamination, the project utilizes existing treatment capacity at CWD's water treatment plant. The project enables CWD to divert and deliver up to an additional 4.5 million gallons of water per day (MGD), with a total delivery of 5,000 acre-feet per

year. The new water supply originates from the recovery of remediated Aerojet groundwater discharged to the American River at Buffalo Creek.

The project also placed approximately 1,060 feet of the pipeline some 80 feet below the river bed of the American River, utilizing a horizontal pressure drilling method in order to leave the river bed and channel undisturbed and affected extensive natural habitat restoration including removal of exposed, abandoned river infrastructure.

Taking nearly six years to complete with thousands of hours of planning and outreach, the project is currently operating at its full design capacity of 4.5 MGD. Since becoming fully operational in January 2017, the project has delivered more than 3,300 acre-feet of water to GSWC's customers.

"This project represents much more than a 7,400-foot pipeline and replacement water supply for Golden State Water's local customers, it represents what can be achieved when multiple agencies collaborate to address issues and find impactful solutions," said Paul Schubert, general manager of Golden State Water's Northern District. "We are honored to receive this award in partnership with Carmichael

Water District, Aerojet Rocketdyne and so many others that helped to take this project from concept to the finish line."

AWRA will also present several other awards during the November conference, including:

W. R. Boggess Award

Lead Author: Jan M.H. Hendrickx

Co-Authors: Richard G. Allen, Al Brower, Aaron R. Byrd, Sung-ho Hong, Fred L. Ogden, Nawa Raj Pradhan, Clarence W. Robison, David Toll, Ricardo Trezza, Todd G. Umstot and John L. Wilson

Paper Title: *"Benchmarking Optical/Thermal Satellite Imagery for Estimating Evapotranspiration and Soil Moisture in Decision Support Tools,"* published in the Journal of the American Water Resources Association, February 2016

Henry P. Caulfield Medal for Exemplary Contributions to National Water Policy

Gerald E. Galloway

Icko Iben Award

Tamim Younos

Mary H. Marsh Medal for Exemplary Contributions to the Protection and Wise Use of the National Water Resources

Teresa E. Thornton

A. Ivan Johnson Outstanding Young Professional Award

Kim Ogren

Honorary Member Award

Fred Holloway

President's Outstanding Service Award

Richard H. McCuen

Outstanding AWRA State Section

Florida State Section

Outstanding AWRA Student Chapter

University of Delaware Student Chapter ■