

Water Storage Investment Program Screening Form

Completed screening forms, additional documentation or attachments, and questions about the screening form or process should be submitted via email to cwc@water.ca.gov. If any documents are too large to be submitted via email, please contact staff at cwc@water.ca.gov to arrange an alternate submission method. Please include the relevant project name in the subject line of all emails related to this screening form. Submission of this form is for informational purposes only and entirely voluntary.

Project Information

Project Name:

Regional Surface Water Supply Project

Project Type (select one):

- Conjunctive Use Groundwater Storage Local Surface Storage Regional Surface Storage
 Surface Storage Project Identified in the CALFED ROD

Applicant Name:

Stanislaus Regional Water Authority

Applicant Type (select one):

- Public Agency Nonprofit Organization Public Utility Federally Recognized Indian Tribe
 State Indian Tribes Listed on the Native American Heritage Commission's California Tribal Consultation List
 Mutual Water Company

Applicant Point of Contact:

Name: Robert Granberg

Title: General Manager

Email Address: granbergassociates@gmail.com

Phone Number: (209) 401-0439

Project Description (suggested length one paragraph):

The Regional Surface Water Supply Project (Project) will construct a raw water pump station and 48" diameter raw water transmission main to draw water from the Tuolumne River at the site of the existing infiltration gallery and wet well located along the south bank near Geer Road in Hughson, CA. The pump station will have a design capacity of 45,000 gallons per minute and will deliver raw water to the 15 mgd capacity SRWA water treatment plant via the 3,900 foot long raw water transmission main. The raw water will be treated at the water treatment plant and delivered to the cities of Ceres and Turlock via 30" and 42" Finished Water Transmission Mains, respectively. The raw water transmission main will also include a discharge structure to the Ceres Main Canal. The project will provide multiple public benefits to improve base water flow and temperature which will benefit Tuolumne River fish and other aquatic resources for a 26-mile stretch of the river by increasing releases from La Grange Dam to accommodate the diversion of water. Meanwhile the

underlying high-priority Turlock Groundwater subbasin will experience in-lieu recharge and provide emergency response benefits as the cities operate conjunctive use systems of surface water and groundwater to respond to natural disasters and drought response.

Project Location:

County: USA

Latitude and Longitude: 37.6173, -120.8459

Total Project Cost:

\$237,000,000

Potential Public Benefits That the Project Could Provide (select all that apply):

- Ecosystem Improvements Water Quality Improvements Flood Control Benefits
 Emergency Response Recreational Purposes

Description of Potential Public Benefits:

The Project will improve the ecosystem of the Tuolumne River and improve the region's ability to respond to emergencies such as droughts or surface water system infrastructure failures.

The Tuolumne River ecosystem improvements include improved steelhead spawning, incubation, and rearing habitat by diverting water at the infiltration gallery instead of at La Grange Dam, reducing water temperatures in this reach. The project will modify hydraulic flows to increase reserves of cold water by changing the diversion location to the infiltration gallery 26 miles downstream from the La Grange Dam, thereby increasing flows and reducing water temperatures through Central Valley steelhead spawning areas downstream of the dam before being diverted through the infiltration gallery.

The Turlock Subbasin subbasin is also categorized as a high-priority basin in the 2014 prioritization rankings for basins at risk for overdrafting. This Project will provide a new source of water for the cities and, therefore, facilitate in-lieu recharge of the subbasin. This additional recharge to the aquifer will serve as emergency water supply for times of disruption in Tuolumne River water supplies. For example, failure to the infiltration gallery on the Tuolumne River due to an earthquake or restricted water supplies in the river due to a severe drought would result in significant disruption of surface water sources to the cities of Ceres and Turlock. The stored water in the Turlock Subbasin could provide emergency response supplies for the cities under either an earthquake or drought emergency situation. Furthermore, assuming the use of emergency water supplies is only utilized occasionally, the in-lieu recharge benefit overtime will provide cumulative storage which will lead to a more sustainable aquifer which will benefit the entire Turlock Subbasin.

Could the project provide measurable improvements to the Delta ecosystem or to a tributary to the Delta?

- Yes No

Description of Potential Improvements to the Delta Ecosystem or to a Tributary to the Delta:

The Tuolumne River is a tributary to the Delta and this project will provide measurable improvements to the Tuolumne River ecosystem by increasing reserves of cold water by changing the diversion location to the infiltration gallery 26 miles downstream from the La Grange Dam, thereby increasing flows and reducing water temperatures through Central Valley steelhead spawning areas downstream of the dam.

Required Information

Completed Feasibility Documents:

Please provide a link to completed feasibility documents for this project or send a copy to cwc@water.ca.gov (link preferred).

The Feasibility Study is still in-progress and a copy will be emailed to cwc@water.ca.gov.

Environmental Documentation:

Please provide a link to draft environmental documentation that has been made available for public review or send a copy to cwc@water.ca.gov (link preferred).

<https://stanrwa.com/project-documents/general-documents/>

Non-public Benefit Cost Share Commitments:

Please provide documentation demonstrating a minimum of 75% non-public benefit cost share commitments by email to cwc@water.ca.gov.

Describe how the project will advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta:

The project will advance the long-term objectives of restoring ecological health and improving water management for beneficial uses of the Delta by increasing flow and reserves of cold water on the Tuolumne River 26 miles downstream from the La Grange Dam which will improve Central Valley steelhead spawning areas downstream of the dam. Tuolumne River is a tributary to the Lower San Joaquin River which is tributary to the Delta. Any improvement to the Tuolumne River ecosystem is likely to have downstream ecosystem improvements in the Delta. This is inline with the State Board's amended Bay-Delta Plan which includes a water quality objective to provide reasonable protection of fish and wildlife beneficial uses at a level which stabilizes or enhances the conditions of aquatic resources in the Lower San Joaquin River - including major tributaries such as the Tuolumne River.

Other Information

Please provide any other information that could be helpful to the Commission in making finding of feasibility. Providing other information is not required. You may either provide links to other information or submit documentation by email to cwc@water.ca.gov.

This project has been designed and is currently under construction and scheduled to be operational in Summer 2023.



Stanislaus Regional Water Authority
156 S. Broadway, Ste. 270
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October 22, 2021

Amy Young, WSIP Program Manager
California Water Commission
P.O. Box 942836
Sacramento, California 94236-0001

Via email: cwc@water.ca.gov

SUBJECT: Stanislaus Regional Water Authority Regional Surface Water Supply Project WSIP Screening Form and Cost Share Commitment

Dear Ms. Young:

The Stanislaus Regional Water Authority (SRWA) is a Joint Powers Authority formed in 2015 between the cities of Ceres and Turlock, and in partnership with the Turlock Irrigation District. The Regional Surface Water Supply Project (Project) will improve the ecosystem of the Tuolumne River and improve the region's ability to respond to emergencies such as droughts or other natural disasters that could cause surface water system infrastructure failures.

The Project will construct a raw water pump station and 48" diameter raw water transmission main to draw water from the Tuolumne River at the site of the existing infiltration gallery and wet well located along the south bank near Geer Road in Hughson, CA. Project components are the pump station, the 3,900 foot long raw water transmission main (including a discharge structure to the Ceres Main Canal), 15 million gallon per day water treatment plant, and two finished water transmission mains.

SRWA is interested in pursuing Water Storage Improvement Program (WSIP) funding to support the implementation of this critical project. This letter is to accompany the submittal of the WSIP Screening Form and serves as SRWA's commitment for at least 75% of the non-public benefit cost share of the Project, should the Project be approved for such funding.

Please contact me at granbergassociates@gmail.com or (209) 401-0439 if you have any questions or need any further information regarding the Project.

Sincerely,

Robert L. Granberg

Robert Granberg, P.E., DBIA
General Manager

Attachment: Screening Form