

Yuba IRWMP - OPUD-02

Project Short Form¹

Please fill out the following information to the best of your ability/knowledge. Once the project has been received and a preliminary review completed, the project team will work with you to develop additional information.

Project Sponsor Contact Information

Lead Agency/Organization	Olivehurst Public Utility District (OPUD)
Name of Primary Contact(s)	Chris Oliver
Mailing Address	PO Box 670, Olivehurst, CA 95961
Email Address	Coliver@opud.org
Phone (###) ###-####	530-743-8573
Project Partners/Collaborators	

General Project Information

Project Title	Olivehurst Steel Water Main Replacement
Project Total Budget, based on current knowledge	\$2,388,166 Phase 1, design - \$191,053 Phase 2, replace 7000 feet of steel water main - \$1,098,558 Phase 3, replace 7000 feet of steel water main - \$1,098,558
Project Funding Match, if any	The community of Olivehurst is Disadvantaged Community (DAC). Because of the DAC designation, we are requesting OPUD have a 0% match for this project. OPUD is in the process of evaluating a rate increase to meet current regulatory demands. Grant funding for this project would significantly reduce the amount needed in the rate increase for this disadvantaged community.
Total Project Funding Request	\$2,388,166 Phase 1, design - \$191,053 Phase 2, replace 7000 feet of steel water main - \$1,098,558 Phase 3, replace 7000 feet of steel water main - \$1,098,558
Can a detailed cost estimate be provided upon request?	Yes
Project Location (map if available)	Unincorporated Yuba County, Olivehurst, CA – Several Locations
City/Community	Olivehurst
Watershed/subwatershed	Yuba
Groundwater Basin	Yuba Groundwater Basin/South Yuba Sub-basin
Project Type (highlight in gray all that apply)	Conceptual Feasibility Study Study/Assessment Planning Engineering/Design Permitting CEQA/NEPA Facility Construction

¹ Completed Project Short Forms should be sent via email to Katie Burdick at admin@burdico.net **and** Elizabeth Herrera at Elizabeth.herrera@fishsciences.net

Project Description

Write a narrative briefly describing the project components and/or characteristics (maximum of 300 words).

This project would replace 14,000 feet of steel water main with 8" diameter C-900 PVC plastic pipe. Additionally, the project would include 25 fire hydrants, 69 8" valves and 40 tie-in locations to existing water main lines. This project would serve the direct needs of residential customers only within the Olivehurst area by providing an adequate supply of safe and clean drinking water to these residents.

The project is in OPUD's Capital Improvement Plan and is in the planning phase. A design would need to be completed before project construction.

This aged and outdated infrastructure serves approximately 10,000 residents in the disadvantaged community of Olivehurst which equates to about 50% of our customer base.

Additionally, OPUD would install water meters at all locations within the project area and replace some failing laterals (at OPUD's expense) during this project as it would be very efficient to do this during the project construction. This would help promote water conservation.

This project will also increase fire flow by the upsizing of the mains and updating of the hydrants, making safety a key benefit of this project.

I. Project Rationale/Issues Statement

Briefly describe the need for the project and the desired outcomes/deliverables (maximum of 200 words).

This aging infrastructure is in need of replacement. The first steel water mains were installed in 1948, with the majority of the steel water mains being installed in the 1940's and 1950's. These steel mains are in poor condition and have been in service well past their life expectancy. There are water quality issues stemming from the steel mains. We frequently have calls of cloudiness and particles in the system by our customers. We send staff out to flush the system via fire hydrants in the areas of concern. This then becomes a water use efficiency and water conservation concern due to the frequent flushing. Additionally, less chlorine would be used due to system flushing. The steel mains also leak frequently, requiring patch upon patch to keep the system operating. Replacement of the mains would help to conserve water. This can be readily verified by comparing the water use in this system to the water use in our Southern system which is new. This project would help provide safe drinking water to a Disadvantaged Community by bringing a portion of the aging water system up to current regulatory standards. The project specifically addresses the following identified regional issues:

Infrastructure

Replace and retrofit aging infrastructure to ensure adequate and reliable water supply and improved water quality

Water Use Efficiency/ Water Conservation

Implement practices to increase water use efficiency *and* water conservation in municipal sectors

Groundwater

Protect groundwater and groundwater-dependent ecosystems, especially to address the projected impacts of climate change

Regulatory Compliance

Mitigate for the impacts of regulatory compliance on water management decision-making and processes, including increased costs