

Yuba IRWMP – OPUD-11

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
Name of Primary Contact(s)	Christopher Oliver, Public Works Engineer
Mailing Address	1970 9 th Ave, Olivehurst, CA 95961
Email Address	coliver@opud.org
Phone (###) ###-####	530-743-8573
Project Partners/Collaborators	

General Project Information

Project Title	OPUD Leak Detection and Repair Project
Project Total Budget, based on current knowledge	~\$74,000
Project Funding Match, if any	0, DAC
Total Project Funding Request	~\$74,000
Can a detailed cost estimate be provided upon request?	Yes
Project Location (map if available)	Throughout the OPUD District
City/Community	Olivehurst/Plumas Lake
Watershed/subwatershed	
Groundwater Basin	
Project Type (highlight in gray all that apply)	Conceptual Feasibility Study Study/Assessment Planning Engineering/Design Permitting CEQA/NEPA Facility Construction Restoration Monitoring Best Management Practices Acquisition Demonstration/Pilot Project

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).

The leak problems in OPUD's district is two-fold. In Olivehurst, older steel mains still exist, and leaks occur often. Pinpointing the exact location of these leaks can be difficult as water can appear at the surface far away from the actual leak site. This project aims to buy equipment that helps pinpoint exact locations of leaks without having to dig into County roads every so many feet until the leak location is determined.

The second leak problem in OPUD's district is the failing of copper service laterals in newer subdivisions of Plumas Lake. Similar issues arise here with locating leaks, which can be solved with the equipment described above. Equipment would also be purchased that can replace the copper pipes with Polyethylene pipe with minimal ground intrusion.

I. Project Rationale/Issues Statement

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

Unfortunately, the copper pipe leak problem does not seem to have a clear solution besides replacement with non-conductive Poly pipe. The purchase and use of the equipment described above would reduce time spent on locating and repairing leaks in our infrastructure, leading to water conservation in both areas of service. It would also reduce road diggings and subsequent road repairs.

The steel main leak issue will eventually be resolved by complete replacement (as part of another project) but leaks still occur in other parts of our system. Quick detection of these leaks leads to further water conservation, as main leaks have the potential to lose more water than service lateral leaks.

Project includes the purchase of KPP400 pipe puller and a Ground Penetrating Radar unit for leak detection.