

Yuba IRWMP – LCWD-08

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	Linda County Water District
Name of Primary Contact(s)	Brian Davis (General Manager), Javier Rios (District Engineer)
Mailing Address	1280 Scales Ave, Marysville, CA 95901
Email Address	bdavis@lindawater.com , jrios@lindawater.com
Phone (###) ###-####	(530) 473-2043
Project Partners/Collaborators	Linda Fire Protection District
YWA Contact	

General Project Information

Project Title	LCWD Fire Hydrant Replacement Project
Project Total Budget, based on current knowledge	\$400,000
Project Funding Match, if any	Linda County Water District
Total Project Funding Request	\$400,000 or maximum funding available. Linda County Water District would provide funds as cost-share, if necessary.
Can a detailed cost estimate be provided upon request?	Yes
Project Location (map if available)	Various locations within the LCWD service area
City/Community	Marysville
Watershed/subwatershed	Feather River Watershed
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 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).

LCWD is partnering with the Linda Fire Protection District to assess the condition and update GIS maps of all fire hydrants within the District's distribution system. Linda Fire will locate all hydrants, assess each hydrant's condition, note location, and tag the hydrants that need to be replaced (for example, if they are no longer accessible, not functioning properly, or beyond their useful life). Additionally, Linda Fire will identify and map the locations where new fire hydrants need to be installed to meet local fire code. Linda Fire will share this information with LCWD, and the District will update their existing hydrant and distribution system maps accordingly.

I. Project Rationale/Issues Statement

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

Based on industry standards and the U.S. Environmental Protection Agency's "Reference Guide for Asset Management Tools", the typical expected useful life for hydrants is 40 years. This assumes that the hydrants have been properly installed and maintained during their period of use. The District's GIS mapping of its water system shows that approximately half of its hydrants (250 valves) have exceeded their useful life. Fire hydrants are an integral part of a water distribution system—they are essential for maintenance of the water system and fire protection for the community. In LCWD's service area, fire hydrants are typically located in unimproved areas or off to the side of roadways. Oftentimes, when grades, roadways, or sidewalks are altered during improvement projects, fire hydrants are not adjusted to match the new grade. This makes it difficult for the fire department crew to connect to them in the event of a fire. This project will allow the District to partner with the Linda Fire Protection District to prioritize replacing and installing hydrants, activities that are critical for public safety and will help the District effectively maintain its water system.