Yuba IRWMP – LCWD-09

Project Short Form[1]

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	
YWA Contact	

General Project Information

Project Title	LCWD Valve 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 currently gathering information to prepare a list of isolation valves located within its distribution system that will be tagged for future replacement, as well as identifying locations where new isolation valves should be installed. The District anticipates that it will need to install approximately 50 new valves. Existing valves that are either leaking, not functioning properly, or beyond their useful life will be flagged for replacement. Locations for new isolation valves, which would allow the District to reduce the number of residents impacted during mainline shut offs and distribution system flushing exercises, will be determined. Supported by a grant from the Department of Water Resources, the District completed a valve-replacement project in 2017. During this project, District staff identified and replaced 45 existing valves and identified 4 locations where new valves were installed. The District intends to duplicate this project.

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 valves is 35 years. This assumes valves have been properly installed and maintained during their period of use. The District's GIS mapping of its water system shows that approximately 40 percent (400 valves) of its isolation valves have exceeded their useful life. Isolation valves are an integral part of a water distribution system. Properly functioning valves allow for quicker shutdowns in case of emergencies; they reduce leak run times, which in turn reduces loss of treated water and damage to infrastructure. Valves also reduce the residential area impacted by breaks and outages, as well as reducing the possibility of claims.