Yuba IRWMP – LCWD-10

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 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 Liaison	

GENERAL PROJECT INFORMATION

Project Title	LCWD Well 15 Re-Drilling Project
Project Total Budget (Attach detailed budget, if available)	$1,512,200
Budget Breakdown	Planning/Design Budget: $227,000
	Implementation Budget: $1,285,200
Project Funding Match, if any	Linda County Water District
Total Project Funding Request	$1,190,000 or maximum funding available. Linda County Water District would provide funds as cost-share, if necessary.
Project Location (Attach map if available)	Marysville, CA along Dantoni Road
City/Community	Marysville
Watershed/subwatershed	Feather River Watershed
Groundwater Basin	South Yuba Sub-Basin
Funding Area	SRFA or MC
Project Priority (Select one)	Medium to High
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**

Please select the *status* of the CEQA/NEPA/Permitting for this project:

CEQA **(Select one)**	Not Started. Will need to prepare Initial Study/Mitigated Negative Declaration
NEPA **(Select one)**	Exempt
Permitting **(Select one)**	Identified. Will apply for a Domestic Water Supply Permit Amendment to add new groundwater source

PROJECT DESCRIPTION

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

The purpose of this project is to drill and equip a new well on LCWD-owned property to replace the existing well (Well 15). Well 15 at one point had a pumping capacity of 2,500 gpm, but it has experienced significant losses in production due to degradation of the well. The project components include:

- Construction of pilot well to a depth of 620 feet, including sampling
- Construction of a supply well to a depth of 620 feet that is expected to yield 3,000 gpm; including casing, screen, gravel pack, sanitary seal, development, testing, and equipping with vertical turbine pump and motor
- Construction of a 16-inch diameter pipeline between the new well discharge header and the existing treatment facility
- Construction of a new paved access road and installation of security fencing
- Electrical and SCADA improvements to tie new well to existing controls and monitoring at the existing Well 15 treatment site

PROJECT RATIONALE/ISSUES STATEMENT

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

LCWD currently operates four (4) sources of water supply across a single pressure zone. These are Wells 3/4, Wells 12/14, Well 15, and Well 16. When operating under normal conditions, Well 15 is designed to pump at 2,500 gpm, but degradation of this well over time has significantly reduced its pumping capacity. Well 15 has been rehabilitated twice, once approximately 10 years ago and again in 2016. The first rehabilitation restored the well to near full production capacity; however, the most recent rehabilitation was only able to restore 60 percent of the well's original production capacity. Since the last rehabilitation was conducted, the drawdown experienced during normal operation has not improved. An additional 40 feet of column piping was added to the vertical turbine pump in order to continue pumping this well without breaking siphon, but the added head means less pumping capacity from the well.

Well 15 serves as a vital source of supply for the northern portion of East Linda. With development continuously underway, Well 12 offline due to elevated concentrations of benzene, and the District's Well 17 project on hold for at least two years awaiting review from the State for potential funding through the Drinking Water State Revolving Fund program, improving capacity of Well 15 has become a priority project.

ATTACHMENTS:

- Task based budget
- Map of project location