

Yuba IRWMP – LFMWC-01

Project Short Form

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	Lake Francis Mutual Water Company
Name of Primary Contact(s)	Anna Romano
Mailing Address	PO BOX 422 Dobbins, Ca 95035
Email Address	anna@qbooksas.com - anna@lakefrancisestates.org - Boardmembers@lakefrancis.org
Phone (###) ###-####	(530) 788-5063
Project Partners/Collaborators	
YWA Liaison	JoAnna Lessard

GENERAL PROJECT INFORMATION

Project Title	Water Supply and Treatment System: Moving toward Sustainability
Project Total Budget (Attach detailed budget, if available)	\$150,000
Budget Breakdown	Planning/Design Budget: \$150,000 Implementation Budget: TBD
Project Funding Match , if any	None at this time, but Lake Francis Estates is reviewing and researching multiple sources of grants and loans.
Total Project Funding Request	\$150,000
Project Location (Attach map if available)	Lake Francis Estates
City/Community	Dobbins, CA
Watershed/subwatershed	Upper Yuba Watershed
Groundwater Basin	n/a
Funding Area	SRFA or MC
Project Priority (Select one)	High/Medium/Low
Project Type (highlight in gray <i>all</i> that apply)	<input checked="" type="checkbox"/> Conceptual <input checked="" type="checkbox"/> Feasibility Study <input checked="" type="checkbox"/> Study/Assessment <input checked="" type="checkbox"/> Planning <input checked="" type="checkbox"/> Engineering/Design <input type="checkbox"/> Permitting <input type="checkbox"/> CEQA/NEPA <input type="checkbox"/> Facility Construction <input type="checkbox"/> Restoration <input type="checkbox"/> Monitoring <input type="checkbox"/> Best Management Practices <input type="checkbox"/> Acquisition <input type="checkbox"/> Demonstration/Pilot Project

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

CEQA (Select one)	Exempt - Not Started - Initial Study - EIR – Determination - Unknown if Required
NEPA (Select one)	Exempt - Not Started - Environmental Assessment - EIS – Record of Decision - Unknown if Required
Permitting (Select one)	Not Required - Not started – Identified – Consultations Complete – Application Submitted – Complete – Unknown if Required

PROJECT DESCRIPTION

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

Lake Francis Estates Mutual Water Company relies on aging water and septic infrastructure (described below) that is vulnerable to failure. Additionally, the water system was constructed over 40 years ago and was not designed to meet the full build out of the 52 residential lots that make up the subdivision. No major improvements to this system have been initiated since its initial installation.

In February 2021, Rose Water System Management conducted an initial assessment of the water supply system and determined that the Lake Francis Board of Directors should conduct a thorough Preliminary Engineering Report addressing the following critical water supply system needs: welded steel storage tank installation, portable generator (to provide backup power for water pumping in the case of power shutoffs, which have been experienced regularly, and are expected to continue, due to PG&E public safety power shutoffs), water meter installation, system control and data acquisition (SCADA) installation, and well maintenance and examination.

PROJECT RATIONALE/ISSUES STATEMENT

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

Lake Francis Estates’ water supply system is a single pressure zone water system, which relies on aging components that include: 2 Wells, each 300-feet deep, which pump water to 3 tanks at the opposite end of the subdivision. The tanks are old railroad car water transport structures and are situated to allow a gravity flow to supply water to homes. The total water storage in the tanks is 31,000 gallons. Pressure throughout the system is in the range of 80 PSI. There is no access to the interior of these tanks for maintenance purposes and it is unknown if there is any internal surface coating. Given the age and original use of these tanks it can be assumed there is no coating to protect water quality.

Through monthly water quality testing, one of the community’s two wells has shown unacceptable levels of arsenic, so water from that well is mixed with the other well water. This reduces the overall arsenic to an acceptable level. Access to the tanks is quite difficult due to eroding road conditions and vegetation overgrowth around the tanks, which impacts both maintenance and fire safety. (There are no other sources of water at the site that could be used for fire-fighting.) A study completed by the board of Lake Francis Estates demonstrated that this system does not have capacity for full build-out of the vacant Lake Francis lots—the water system is expected to reach maximum supply capacity if 7 more homes are constructed and this is likely in the near future, as development interest has been increasing.

The primary desired outcome of this project is to prepare this disadvantaged community to pursue

grants and loans to: complete critical upgrades to its water supply and treatment systems and increase fire safety preparedness. The primary deliverable for this stage of the project is to complete a Preliminary Engineering Report, which will allow Lake Francis Estates to pursue funding for the critical upgrades needed.

ATTACHMENTS:

- Preliminary water-system assessment, with accompanying maps and estimated budget