

Yuba IRWMP
Project Solicitation Form 2019¹

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	City of Marysville
Name of Primary Contact(s)	Jim Bermudez
Mailing Address	526 "C" Street, Marysville CA 95901
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Project Partners/Collaborators	N/A

General Project Information

Project Title	Marysville Sewer Master Plan
Project Total Budget, based on current knowledge	\$500,000
Project Funding Match, if any	None
Total Project Funding Request	\$500,000
Can a detailed cost estimate be provided upon request?	Yes
Project Location (map if available)	Attached
City/Community	Marysville
Watershed/subwatershed	Yuba/Feather (at the confluence)
Groundwater Basin	North Yuba Subbasin
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 Solicitation Forms should be sent via email to Katie Burdick at admin@burdico.net

Project Description

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

The Marysville Sewage Master Plan assessment would evaluate City sewer infrastructure, including: main line infrastructure for leaks and durability, connections within each existing pressure zone to identify locations where multiple homes are utilizing a single lateral connection (via obsolete cross-connections which may contribute to infiltration during storm events), lift station capacity, and peak event infiltration rates and locations. Finally, existing pressure zones will be evaluated to determine if installation of new pump/lift stations would increase the capacity sufficiently to change the boundaries of pressure zones and increase system efficiency.

The Master Plan will examine, map and quantify existing conditions (infrastructure, pressure subbasins, etc.), propose alternative solutions to address the identified deficiencies, and create a Phased Implementation Plan that will take into account the limited resources of this Disadvantaged Community by allowing for a strategic replacement plan that is within the means of the City.

I. Project Rationale/Issues Statement

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

Much of the infrastructure in the City was installed based on land use characteristics that are as old as the City itself (in some cases alignments and connection patterns date from the 1860's in this, the fourth oldest City in the state), with the newest portions of the system installed in the 1940's.

The current system has not been substantially updated since the original installations. As a result, the infrastructure is aged and, in some cases, actually decrepit. While the City has begun an aggressive budget update system to ensure ongoing O&M, the backlog is so great that the City must focus its efforts with a complete understanding of the system functioning.

Significant infiltration during peak storm events combine with vintage pumps, pipes, and hook-ups combine to create a scenario of potential catastrophic breakage or leaks. As storm events become more intense as a result of climate change, this scenario is expected to worsen.