Yuba IRWMP – YWA-13

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	Yuba Water Agency
Name of Primary Contact(s)	Scott Matyac
Mailing Address	Yuba Water Agency 1220 F Street Marysville, CA 95901
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Phone (###) ###-####	(530) 741-5017
Project Partners/Collaborators	YWA member units

General Project Information

Project Title	Regional Feather River Diversion Feasibility Study
Project Total Budget, based on current knowledge	TBD
Project Funding Match, if any	TBD
Total Project Funding Request	$500,000
Can a detailed cost estimate be provided upon request?	No
Project Location (map if available)	Approximate location- confluence of Yuba and Feather Rivers (actual project downstream of confluence
City/Community	Regional
Watershed/subwatershed	Yuba and Feather
Groundwater Basin	Yuba Groundwater 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

Project Description

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

The study will assess the feasibility of diverting Yuba River Development Project (FERC No. 2246) water downstream of the confluence with the Feather River, below sensitive fish habitat. A water treatment plant would be constructed to treat water for urban use. This new supply will reduce overdraft pressure on the limited groundwater resource and further the region's conjunctive use goals.

Approach

The Regional Feather River Diversion Feasibility Study may include the following components:

- Establish project objectives
- List project constraints
- Formulate alternatives
- Evaluate alternatives
- Determine impacts of alternatives
- Determine performance of alternatives
- Estimate alternative costs
- Establish alternative ranking criteria
- Recommend a preferred alternative, based on ranking and cost
- Determine cost of preferred alternative
- Recommend project funding sources

Select elements of the urban water supply diversion and auxiliary facilities that may be included are:

- Intake facility and pumping plant on the Feather River south of the Yuba River confluence
- Fish screens at intake
- Settling basins or other system for managing sediment
- Reservoir and water treatment plant for urban water supply
- Distribution system infrastructure, including canals, pipes, laterals and turnouts
- Facilities, as necessary, to link to or bypass existing infrastructure (e.g. pumps, siphons)
- Operation and maintenance plan
- Water rights or allocations and/or relationship with SWP project water

Any potentially significant environmental impacts must be identified and mitigated, as necessary. An evaluation of project impacts in the following areas will be conducted:

- Hydrology, water supply and power
- Water quality
- Fish
- Recreation
- Vegetation and wetland resources
- Wildlife
- Groundwater, geology, soils, and seismicity
- Land use
- Growth-related effects
- And, to a lesser extent, air quality, noise, public health and safety, visual resources, cultural resources.

I. Project Rationale/Issues Statement

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

Recent urban development in the Yuba-Feather River region has resulted in increased demand for a high-quality water supply. Currently, after local irrigation diversion requirements are met, a portion of Yuba River Project water passes by a diversion located upstream of Daguerre Point Dam to satisfy minimum instream fish flow requirements in the lower Yuba River. This Yuba River Project water is not diverted for consumptive use and eventually leaves the region and flows to the ocean. This project will study the feasibility of diverting that water at a point below sensitive fish habitat, downstream of the confluence with the Feather River. The feasibility study will consider the following identified regional issues:

Water Storage
Develop new water storage or identify alternatives to new storage that would increase water supply as a result of projected future uncertainties;

Infrastructure
Develop new infrastructure as well as repair, replace and retrofit aging infrastructure to ensure adequate and reliable water supply;

Groundwater
Promote integrated management of groundwater and surface water

Land-use and water
Address the connection between land-use planning and water;

Climate Change
Respond to projected climate change impacts on water supply reliability, water quality, public safety and watershed health and develop regional and inter-regional adaptive management strategies.