

## Agricultural Water Conservation Evaluation

### YCWA-06

#### I. Project Sponsor Contact Information

Lead Agency/Organization	Yuba County Water Agency
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#### II. General Project Information

Project Title	Agricultural Water Conservation Evaluation
Project Total Budget	TBD
Project Funding Match	TBD
Project Funding Request	\$500,000
Can a detailed cost estimate be provided upon request?	No
Project Location:	Various throughout the region
Could you provide a map of the project location including boundaries upon request?	Yes
County	Yuba
City/Community	various
Watershed/subwatershed	Yuba
Groundwater Basin	Yuba Groundwater Basin
Project Type	Monitoring Best Management Practices

#### III. Project Description

This program of pilot projects would evaluate historic and existing irrigation practices within Yuba County to determine their effect on long-term water resources management, and identify opportunities and implement improved irrigation management. These opportunities may be achieved through structural means or by improved on-farm management of irrigation water. Some examples could include installation of local tailwater recovery systems, creation of on-farm storage ponds, or modification of irrigation methods.

**IV. Project Rationale/Issues Statement**

The project addresses the following identified regional issues:

**Water Use Efficiency/Water Conservation**

Promote and implement policies and practices to increase water use efficiency *and* water conservation in municipal and agricultural sectors

**V. Goals/Objectives/Performance Metrics**

Goals Addressed by the Project	<p><b>Goal 1:</b> Ensure adequate and reliable water supply to meet the diverse needs of the region.</p> <ul style="list-style-type: none"> <li>• Determine what practices would best make use of limited water quantities within Yuba County, and implement and promote irrigation practices for the most efficient use of water by agricultural growers.</li> <li>• Monitor changes from improved practices for three full irrigation seasons.</li> </ul>
Objectives Addressed by Project	<p>1.2 Promote water conservation and water use efficiency by instituting various techniques including, but not limited to, groundwater recharge, conjunctive management, irrigation efficiencies, municipal water conservation, water recycling and reuse;            1.8 Promote regional education and outreach regarding water supply issues and needs.</p>
What performance metrics will be used to demonstrate that objectives are being met? Wherever possible, provide a quantitative measurement reflecting successful project outcomes.	

**VI. Resource Management Strategies**

<b>Reduce Water Demand</b>	
Agricultural Water Use Efficiency	By identifying opportunities to implement improved irrigation management.

**VII. Statewide Priorities**

## Drought Preparedness

- Promote water conservation, conjunctive use, reuse and recycling
- Improve landscape and agricultural irrigation efficiencies
- Achieve long term reduction of water use
- Efficient groundwater basin management

## Use and Reuse Water More Efficiently

- Increase urban and agricultural water use efficiency measures such as conservation and recycling

## Climate Change Response Actions

- Adaptation to Climate Change: Use and reuse water more efficiently
- Reduce Energy Consumption: Water use efficiency

## Climate Change Adaptation

The Yuba County RWMG has identified agriculture water use as, perhaps, the most vulnerable beneficial uses to climate change. Through the development of pilot projects and monitoring, this project provides essential data towards the development of adaptation strategies to incentivize on-farm water conservation and irrigation efficiencies.

## GHG Emissions Reduction

This project is currently conceptual and has yet to consider GHG mitigation and emissions reduction strategies.

## VIII. Project Status and Schedule

**For Conceptual Projects Only:** The Project is currently in the Conceptual Stage: YES

## IX. Project Technical Feasibility

a. List the water planning documents that specifically identify this project.	
b. List the adopted planning documents the proposed project is consistent with (e.g., General Plans, UWMPs, GWMPs, Water Master Plans, Habitat Conservation Plans, etc.)	YCWA Agricultural Water Management Plan, December 2012
c. List technical reports and studies supporting the feasibility of this project.	

<b>If you are an Urban Water Supplier:</b>	
1. Have you completed an Urban Water Management Plan and submitted to DWR?	Yuba County Water Agency (YCWA) does not supply water for direct urban use and is not subject to the Urban Water Management Plan Act (UWMPA).
2. Are you in compliance with AB1420?	See above.
3. Do you comply with the water meter requirements (CWC Section 525)?	See above.
<b>If you are an Agricultural Water Supplier:</b>	
1. Have you completed and submitted an AWMP?	Yes
<b>If the project is related to groundwater:</b>	
1. Has GWMP been completed and submitted for the subject basin?	Yes