

Groundwater Monitoring Program YCWA-08

I. Project Sponsor Contact Information

Lead Agency/Organization	Yuba County Water Agency
Name of Primary Contact(s)	Curt Aikens
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II. General Project Information

Project Title	Groundwater Monitoring Program
Project Total Budget	TBD
Project Funding Match	TBD
Project Funding Request (This amount should equal the total budget minus secured funding match)	\$250,000
Can a detailed cost estimate be provided upon request?	No
Project Location:	regionwide
Could you provide a map of the project location including boundaries upon request?	Yes
County	Yuba
Watershed/subwatershed	Yuba
Groundwater Basin	Yuba Groundwater Basin
Project Type	Monitoring

III. Project Description

This project would improve groundwater supply reliability by installing four to five single completion monitoring wells to augment the existing groundwater monitoring network.

IV. Project Rationale/Issues Statement

The project addresses the following identified regional issues:

Groundwater Management

- Promote integrated management of groundwater and surface water
- Educate the public to protect groundwater resources, especially from contamination and overuse
- Understand where groundwater and surface water are connected and where they have been disconnected
- Protect groundwater and groundwater-dependent ecosystems, especially to address the projected impacts of climate change;

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

V. Goals/Objectives/Performance Metrics

Goals Addressed by the Project	<p>Goal 1: Ensure adequate and reliable water supply that meets the diverse needs of the region</p> <p>Goal 6: Address climate vulnerabilities and reduce greenhouse gas emissions</p>
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;</p> <p>6.2 Improve data, modeling and technical analyses to better understand the impacts of climate change on regional and inter-regional water supply and watershed health.</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

Increase Water Supply	
Conjunctive Management and Groundwater	Expanded groundwater monitoring in the region to more effectively manage conjunctive use and understand the impacts of climate change on

	groundwater
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VII. Statewide Priorities

Drought Preparedness

- Promote water conservation, conjunctive use, reuse and recycling

Climate Change Response Actions

- Adaptation to Climate Change: Advance and expand conjunctive management of multiple water supply sources

Protect Surface and Groundwater Quality

- Protecting and restoring surface water and groundwater quality to safeguard public and environmental health and secure water supplies for beneficial uses

Climate Change Adaptation

In light of the many climate change vulnerabilities associated with water supply, this project assists the region in adapting to the effects of climate change by expanding YCWA’s groundwater monitoring program to ensure more informed conjunctive management decision-making.

GHG Emissions Reduction

This project is currently conceptual and has yet to determine 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.)	Yuba County Water Agency Groundwater Management Plan
c. List technical reports and studies supporting the feasibility of this project.	

If you are an Urban Water Supplier:	
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.
If you are an Agricultural Water Supplier:	
1. Have you completed and submitted an AWMP?	Yes
If the project is related to groundwater:	
1. Has GWMP been completed and submitted for the subject basin?	Yes