

Forecast-Coordinated Operations YCWA-07

I. Project Sponsor Contact Information

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

Project Title	Forecast-Coordinated Operations
Project Total Budget	TBD
Project Funding Match	TBD
Project Funding Request	\$1,500,000
Can a detailed cost estimate be provided upon request?	No
Could you provide a map of the project location including boundaries upon request?	Yes
County	Yuba and Butte
City/Community	Regionwide
Watershed/subwatershed	Yuba and Feather
Groundwater Basin	Yuba Groundwater Basin
Project Type	Monitoring Best Management Practices

III. Project Description

Coordinated flood control operation of Lake Oroville and New Bullards Bar Reservoir by preliminary release of stored water in years of high rain and snowfall. Use of new gaging stations, refined forecasting methods, and a Decision Support System will improve coordinated operations during flood years.

IV. Project Rationale/Issues Statement

This project addresses the following identified regional issues:

Flood Management

- Improve integrated flood management to ensure better emergency preparedness;
- Increase flood protection;
- Create multi-stakeholder collaboration for flood management to achieve multiple economic, public safety, and ecological benefits; and,

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 5: Protect public safety through emergency and drought preparedness and integrated flood management</p> <p>Goal 6: Address climate vulnerabilities and reduce greenhouse gas emissions</p>
Objectives Addressed by Project	<p>1.4 Promote disaster preparedness and conservation planning efforts;</p> <p>5.1 Improve integrated flood management to ensure emergency preparedness, increase flood protection and enhance regional and inter-regional collaboration;</p> <p>6.3 Increase system flexibility and resiliency to adapt to climate variability.</p>
Performance Measures	

VI. Resource Management Strategies

Improve Flood Management	
Flood Risk Management	Coordinated regional and inter-regional flood management to protect public safety and a reliable water supply

VII. Statewide Priorities

Practice Integrated Flood Management

- Better emergency preparedness and response
- Improved flood protection
- More sustainable flood and water management systems

Climate Change Response Actions

- Adaptation to Climate Change: Water management system modifications that address anticipated climate

Ensure Equitable Distribution of Benefits

- Develop multi-benefit projects with consideration of affected disadvantaged communities and vulnerable populations

Climate Change Adaptation

This project addresses the following climate change vulnerabilities:

- Increased storm intensity and severity puts communities, critical infrastructure, and protective levees at greater risk;
- Responses to increased flood risk could impact water delivery for regional demands and hinder YCWA’s ability to transfer stored water.

By increasing system flexibility and resiliency through the use of new gaging stations, refined forecasting methods, and a Decision Support System, the project employs essential adaptation strategies to climate variability, where increased extreme weather events may place the region at greater risk of loss from flood.

GHG Emissions Reduction

The project does not directly mitigate for GHG emissions. However, with improved forecasting and coordinated communications in major flood events, this project could prevent damage to infrastructure and property avoiding construction costs and emissions associated with repairs and reconstruction from flood damage.

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	Draft Feather River Regional Flood Management Plan Central Valley Flood Protection Plan

Plans, UWMPs, GWMPs, Water Master Plans, Habitat Conservation Plans, etc.)	
c. List technical reports and studies supporting the feasibility of this project.	Forecasted Coordinated Operations of Lake Oroville and New Bullards Bar Reservoir for Managing Major Flood Events
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