

Challenge Water Storage Tank Replacement NYWD-01

I. Project Sponsor Contact Information

Lead Agency/Organization	North Yuba Water District (District or NYWD)
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II. General Project Information

Project Title	Challenge Water Storage Tank Replacement
Project Total Budget	\$ 911,500
Project Funding Match	0% - (Disadvantaged Community or DAC)
Project Funding Request	\$ 911,500
Can a detailed cost estimate be provided upon request?	Yes
Latitude	39 degrees, 29' 12" N
Longitude	121 degrees, 13' 03" W
Could you provide a map of the project location including boundaries upon request?	Yes
County	Yuba
City/Community	Challenge
Watershed/subwatershed	Project is located in the Yuba River Watershed, but project water is diverted from the Feather River.
Groundwater Basin	Hard Rock Aquifer
Project Type	Facility Construction

III. Project Description

The North Yuba Water District in Brownsville, California presently stores treated water in several tanks including the Challenge Tank which is a 100,000-gallon wooden structure located in the community of Challenge. Challenge is a small community in Yuba County. The tank provides approximately 230 households in this area with essential domestic water supply and water for emergency fire protection. The Challenge Tank requires replacement due to both its poor condition as well as its inadequate water supply for fire flows.

IV. Project Rationale/Issues Statement

The project addresses one (1) identified issue.

Infrastructure

This project will replace a deteriorated water storage tank that was constructed in 1966. This is urgently needed to provide a reliable water supply for both domestic use and emergency fire protection.

V. Goals/Objectives/Performance Metrics

<p>Goals Addressed by the Project</p>	<p>Goal 1: This project will replace an existing deteriorated treated water tank and increase the capacity to benefit area customers. It will provide sufficient fire flows and significantly increase water system reliability and flexibility.</p> <p>Goal 2: The new storage tank will allow system operation to improve water quality.</p> <p>Goal 5: This project will increase local storage capacity to provide sufficient fire flows to customers in and near the community of Challenge.</p> <p>Goal 6: This project addresses climate vulnerabilities by providing sufficient fire flows</p> <p>Goal 7: This project will provide a reliable drinking water and fire flow to a local disadvantaged community (DAC).</p>
<p>Objectives Addressed by Project</p>	<p>Objective 1.1: The project will replace an existing aging water supply tank.</p> <p>Objective 1.4: The project will improve disaster preparedness in the Region. The Yuba County Multi-Jurisdictional, Multi Hazard Mitigation Plan (Annex T) identified replacement of tanks to meet fire requirements as a Mitigating Action.</p> <p>Objective 2.6 Support regulatory compliance with current and future state and federal water quality standards</p> <p>Objective 5.2: The project will help meet fire flow requirements for the local area.</p> <p>Objective 6.3 Increase system flexibility and resiliency to adapt to climate variability</p> <p>Objective 7.1: The project is located in a DAC.</p>
<p>What performance metrics will be used to demonstrate that objectives are being met? Wherever possible, provide a quantitative measurement reflecting successful project outcomes.</p>	<p>Objective 1.1: The performance metric used will be implementation of the project.</p> <p>Objective 1.4: The performance metric used will be implementation of planning efforts.</p> <p>Objective 5.2: The performance metric used will be implementation of planning efforts.</p> <p>Objective 7.1: The metric used will be completion of a project for a DAC.</p>

VI. Resource Management Strategies

Increase Water Supply	
Surface Storage-- Regional/Local	The project will increase local storage to meet fire flow requirements and enhance system reliability.
Improve Water Quality	
Drinking Water Treatment and Distribution	The new storage tank will allow system operation to improve water quality.

VII. Statewide Priorities

Climate Change Response Actions

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

Ensure Equitable Distribution of Benefits

- Increase the participation of small and disadvantaged communities in the IRWM process
- Contain projects that address safe drinking water and wastewater treatment needs of DACs

Climate Change Adaptation

The project will increase water storage that could be utilized for enhanced domestic water supply during drought conditions and for fire protection from disasters caused by climate change.

GHG Emissions Reduction

The project would improve overall system-wide energy efficiency by reducing leaks/water losses and, therefore, reducing energy use by pumping and treating less water to meet the water supply needs of this rural community.

VIII. Project Status and Schedule

Project Stage	Description of Activities in Each Project Stage	Planned/Actual Start Date	Planned/Actual Completion Date
Planning	Technical Study	February 2008	April 2008
Design	Drawings and Specifications- pending funding	March 2015	August 2015
Environmental Documentation (CEQA/NEPA)	TBD-Pending funding	March 2015	August 2015
Permitting	TBD pending funding	March 2015	August 2015
Tribal Consultation (if not applicable, indicate by N/A)	N/A	N/A	N/A

Construction/ Implementation	Pending funding	August 2015	March 2016
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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.)	
c. List technical reports and studies supporting the feasibility of this project.	Feasibility Study, April 2008
If you are an Urban Water Supplier:	
1. Have you completed an Urban Water Management Plan and submitted to DWR?	NYWD supplies less than 3,000 AF to its domestic customers and has less than 3,000 domestic connections. Therefore, NYWD is not required to complete an UWMP.
2. Are you in compliance with AB1420?	N/A
3. Do you comply with the water meter requirements (CWC Section 525)?	N/A
If you are an Agricultural Water Supplier:	
1. Have you completed and submitted an AWMP?	NYWD does not provide agricultural water supplies to over 10,000 acres and therefore is not required to complete an AWMP.
2. If not, will you complete an AWMP prior to receiving project funding?	N/A
If the project is related to groundwater:	
1. Has GWMP been completed and submitted for the subject basin?	N/A
2. If not, will the GWMP be completed within one year of the grant submittal date?	N/A