

PROJECT INFORMATION FORM

Please complete a unique Project Information Form for each project in the application. There are no character limits on specific questions but the Project Information Form as a whole may not exceed 10 pages.

1. Project Name: FGCSO Water Tank Seismic Retrofit Project
2. Local Project Sponsor (if different than grantee): Fieldbrook Glendale Community Services District
3. Please provide the latitude and longitude of the project site. For linear projects or those covering a large area, report the coordinates for a central point. If this information is confidential, it must be clearly labeled "confidential." You can find the latitude and longitude easily using google maps. You can find instructions at the following link:
<https://support.google.com/maps/answer/18539?hl=en&co=GENIE.Platform%3DDesktop>.

Latitude: 40.962619

Longitude: -124.026567

4. Please briefly describe the proposed project.

The proposed Project is to retrofit the existing redwood tank through replacement with a new 400,000 gallon steel water tank. The proposed Project will protect essential services, including water and fire protection in Fieldbrook and Glendale. The goal of the Project is to improve the stability, reliability, and seismic resilience of the water storage tank to prevent structural failure and extreme water losses and to withstand at least a magnitude 9.0 earthquake.

The problem with the existing redwood tank is that the wood staves that form the structural support for the tank are degrading and the tank is not built to modern seismic standards. A Hypalon liner was installed in the tank in 2005. To keep the redwood in good condition, the tank should be overflowed to keep the redwood staves saturated. This is very difficult given the current telemetry system for the site, and over time the redwood staves have deteriorated at the base of the structure and have recently shown more rapid deterioration due to the presence of dry rot. In addition, the FGCSO is located in a seismically active area of Humboldt County, as identified by Cal OES and the Humboldt County Operational Area Hazard Mitigation Update Plan Update (2014). The tank is vulnerable to earthquakes as it was built in the early 1970's under the California Building Code at the time, for which seismic provisions were not mandatory.

The new tank would be constructed to modern seismic standards, including ASCE 7 code for a critical facility. This Project will eliminate the risk of the tank and foundation failing and the associated damage and loss of water, and fire service. The Project includes the design, permitting, and construction of the new tank. The existing tank site allows for a new tank to be built next to the existing tank which allows the old tank to be kept in service, which reduces the impacts to water customers. No property acquisition is required for construction or access to the site. All tank materials can be staged at the existing tank site.

5. Does this project respond to an existing emergency to humans and/or wildlife? If so, please describe the emergency and how this project is addressing it.

No.

6. Each project must meet one of the following purposes as it relates to drought. Please select the appropriate purpose for your project.

- a. Address immediate impacts on human health and safety, including providing or improving availability of food, water, or shelter.
- b. Address immediate impacts on fish and wildlife resources.
- c. Provide water to persons or communities that lose or are threatened with the loss or contamination of water supplies.

7. Each project must enhance regional drought resilience and align with the goals and objectives of the relevant approved Integrated Regional Water Management Plan. You can find the relevant IRWM Region by using the map at the following link:

<https://gis.water.ca.gov/app/dacs/>

The IRWM Plans can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Plan-Review-Process>. If you have any questions about the IRWM region the contact list can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs>. Applicants are encouraged to contact and coordinate with the applicable RWMG for the IRWM region in which the project is located

Please identify the IRWM objective your project addresses.

The proposed project addresses NCRP Goal 1 and Objectives 1 and 2 by providing local autonomy and a framework to intraregional cooperation. The FGCS D is supplied water from the Humboldt Bay Municipal wholesale water system, which relies on its customers to have resilient water storage. The project addresses Goal 2 Objective 4, as the FGCS D serves an economically disadvantaged community. The project addresses Goal 4 and Objectives 8 and 9 by ensuring a reliable water supply through improvements to infrastructure serving economically disadvantaged communities. Lastly, the project supports Goal 5 Objective 12 by reducing system leaks from the existing tank.

8. Describe the Primary Benefit of the project.

Quantified benefit: 400000

Units (Drop down): Other If other please enter: gallons

Benefit Type: Water Supply Reliability If other please enter:

9. Describe the Secondary Benefit of the project:

Quantified benefit: 52000

Units (Drop down): Other If other please enter: gallons

Benefit Type: Improve operational efficiency If other please enter:

10. Please briefly describe how the project will achieve the claimed benefits.

The proposed project achieves benefits through the replacement of the existing leaking water storage tank. The tank will be designed to modern building codes. The project will also improve the operational efficiency of the system, and reduce monthly water losses..

11. Briefly describe how the community/area benefiting from this project is being impacted by the current drought.

The FGCS D is located in northern California, and obtains its water from a wholesale system which relies on the Mad River for water. Like many communities, FGCS D and its regional partners are being asked to implement mandatory conservation measures and report on system water losses. The future impacts of climate change on surface water is unknown and could result in future drought impacts.

12. How will this project alleviate the impacts described in your answer to Question 11?

The Project will alleviate the issues described above by improving the resiliency and efficiency of the water system.

13. Please complete the following budget table for the project. (Identify funding sources in Question 15)

	BUDGET CATEGORY	Grant Amount	All Other Cost	Total Cost
(a)	Project Administration		69,220	69,220
(b)	Land Purchase / Easement		0	
(c)	Planning / Design / Engineering / Environmental Documentation		134,140	134,140
(d)	Construction / Implementation	642,400	1,055,610	1,698,010
	TOTAL COSTS	642,400	1,258,970	1,901,370

14. Please describe why state funding is needed for this project. If state funding is not secured, what will happen to the project?

State funding is needed due to the increasing cost of materials. The project was scoped in 2019. The design plans and an updated cost estimate were recently completed showing the gap in funding. Without additional state funding, the applicant may need to downsize the project, or apply for loan funds which could result in project delays.

15. Will the applicant provide cost share (encouraged but not required) and/or will this project require any additional funding from sources other than this solicitation? If so, please describe the funding source and indicate if the funding has been secured. If the funding has not been secured, please describe the plan to secure the necessary funding.

The District has two secured funding sources covering the match shown in the table above. A \$314,744 grant from DWR Prop 1 through the NCRP, and a \$944,226 Hazard Mitigation Grant from CalOES/ FEMA

16. Is land acquisition or landowner permission required for this project? If so, please briefly describe the status of the acquisition or agreement with the landowner. If the acquisition is not complete or permission not secured at the time of application, please describe the plan to complete it.

There is no land acquisition or landowner permission needed to complete the project.

17. Has planning and design for this project been completed? If not, please describe the status of planning and design.

Yes

18. Are the CEQA (and NEPA if applicable) and permitting processes for this project complete? If not, please briefly describe the permits and CEQA (or NEPA) documents to be completed and projected schedule for completion.

A CEQA categorical exemption was filed with Humboldt County. FEMA acted as the NEPA lead using the biological studies performed by the District.

19. Please briefly describe the necessary construction/implementation for this project.

The existing tank site allows for a new tank to be built next to the existing tank which allows the old tank to be kept in service, which reduces the impacts to water customers. No property acquisition is required for construction or access to the site. All tank materials can be staged at the existing tank site. Minimal excavation is anticipated to be necessary and no off site hauling of material is anticipated. The site has previously been disturbed. The ground disturbance area is estimated to be less than 7,000 square feet and 155 cubic yards in volume.

20. Please complete the schedule below for the project. Projects must be complete by March 31, 2026, to allow time for final invoice processing and retention payment before the State funds expire on June 30, 2026. Project administration should end at least three months after construction.

	Categories	Start Date	End Date
(a)	Project Administration	1/1/2021	12/30/2022
(b)	Land Purchase / Easement		
(c)	Planning/ Design / Engineering / Environmental Documentation	1/1/2021	12/20/2021
(d)	Construction/ Implementation	3/1/2022	9/30/2022



NORTH COAST RESOURCE PARTNERSHIP

Urban and Multibenefit Drought Relief Grant, 2021

Eligibility and General Project Information Application

The Eligibility and General Project Information Application will be accepted until 5:00 pm, November 17, 2021

It is important to save the Eligibility and General Project Information Application file with a distinct file name that references the project name. Please fill out grey text boxes and select all the check boxes that apply to the project. Application responses should be clear, brief and succinct. When the application is complete, please email to Katherine Gledhill at kgledhill@westcoastwatershed.com

If you have questions or need additional information please contact:

- General Information: Katherine Gledhill at kgledhill@westcoastwatershed.com or 707.795.1235
- Technical Assistance/Support: Colette Metz Santsche, colettem@planwestpartners.com or 707.825.8260
- Tribal Projects: Sherri Norris, NCRP Director of Tribal Engagement at sherri@cieaweb.org or 510.848.2043

A. GENERAL INFORMATION

1. Project Name:

FGCSD Water Tank Retrofit Project

2. Project Abstract [500 characters]

The proposed retrofit is to install a new 400,000 gallon bolted steel water tank to replace an existing leaking redwood tank, that does not meet current seismic standards. The current tank was lined in the 1990's. While this addressed short term issues the redwood staves have degraded, and replacement is necessary to reduce water losses and improve drought resilience and seismic stability.

3. Local Project Sponsor Name:

Fieldbrook Glendale Community Services District

4. Contact Name/Title

Name: Richard Hanger

Title: District General Manager

Email: gm@fgcsd.org

Phone Number (include area code): 707-443-3316

5. Does your Organization need technical assistance and/or proposal development support for the NCRP Urban and Multibenefit Drought Relief Grant proposal?

yes no

Please briefly describe the technical/proposal support needed.

6. Organization Type

Public agency

Non-profit organization

Public utility

Special District

Mutual Water Company

Federally recognized Indian Tribe

Non-federally recognized Native American Tribes on the contact list maintained by the Native American Heritage Commission for the purposes of Chapter 905 of the Statutes of 2004

Other:

7. If the Local Project Sponsor is a mutual water company or public utility, does the proposed project have a clear and definite public purpose that benefits the customers of the water system or other public utility and not the investors? yes no

8. If yes, please state the public purpose and explain how it benefits the customers:

Project provides resilient water source for all municipal customers.

9. Has the organization implemented similar projects in the past? yes no

10. Describe the drought conditions in the area where your project is located.

Note: This question is important and must be answered.

The FGCSO is supplied by wholesale water from HBMWD. However, if the wholesale system goes down, the District is reliant on storage which is outdated and inefficient, and thus, the project provides drought benefits.

B. PROJECT BENEFITS TO DISADVANTAGED COMMUNITIES AND/OR TRIBES

1. Does the project provide direct benefits to a project area comprised of Disadvantaged Communities? If partially, please estimate percentage of project that benefits disadvantaged communities and list the communities.

• Entirely

• Partially

• No

List the Disadvantaged Community(s) (DAC)

This project is located within an economically disadvantaged census tract.

2. Does the project provide direct benefits to a project area comprised of Severely Disadvantaged Communities (SDAC)? If partially, please estimate percentage of the project that benefits the severely disadvantaged community(s) and list the SDACs.

• Entirely

- Partially
- No

List the Severely Disadvantaged Community(s)

3. Does the project provide direct benefits to a Tribe or Tribes? If partially, please estimate percentage of project that benefits Tribes and list the Tribes.

- Entirely
- Partially
- No

List the Tribal Community(s)

If yes, please provide evidence of support from each Tribe listed as receiving these benefits.

a) Is a Tribal letter of support included in the application?

- yes no

C. NCRP GOALS AND OBJECTIVES

Please check the NCRP goals/objectives below that align with your project goals/objectives. Note: you may skip Question 7 on the PROJECT INFORMATION FORM.

GOAL 1: INTRAREGIONAL COOPERATION & ADAPTIVE MANAGEMENT

- Objective 1 - Respect local autonomy and local knowledge in Plan and project development and implementation
- Objective 2 - Provide an ongoing framework for inclusive, efficient intraregional cooperation and effective, accountable NCRP project implementation
- Objective 3 - Integrate Traditional Ecological Knowledge in collaboration with Tribes to incorporate these practices into North Coast Projects and Plans

GOAL 2: ECONOMIC VITALITY

- Objective 4 - Ensure that economically disadvantaged communities are supported and that project implementation enhances the economic vitality of disadvantaged communities by improving built and natural infrastructure systems and promoting adequate housing
- Objective 5 - Conserve and improve the economic benefits of North Coast Region working landscapes and natural areas

GOAL 3: ECOSYSTEM CONSERVATION AND ENHANCEMENT

- Objective 6 – Conserve, enhance, and restore watersheds and aquatic ecosystems, including functions, habitats, and elements that support biological diversity
- Objective 7 - Enhance salmonid populations by conserving, enhancing, and restoring required habitats and watershed processes

GOAL 4: BENEFICIAL USES OF WATER

- Objective 8 - Ensure water supply reliability and quality for municipal, domestic, agricultural, Tribal, and recreational uses while minimizing impacts to sensitive resources

- Objective 9 - Improve drinking water quality and water related infrastructure to protect public health, with a focus on economically disadvantaged communities
- Objective 10 - Protect groundwater resources from over-drafting and contamination

GOAL 5: CLIMATE ADAPTATION & ENERGY INDEPENDENCE

- Objective 11 - Address climate change effects, impacts, vulnerabilities, including droughts, fires, floods, and sea level rise. Develop adaptation strategies for local and regional sectors to improve air and water quality and promote public health
- Objective 12 - Promote local energy independence, water/ energy use efficiency, GHG emission reduction, and jobs creation

GOAL 6: PUBLIC SAFETY

- Objective 13 - Improve flood protection, forest and community resiliency to reduce the public safety impacts associated with floods and wildfires

D. DEPARTMENT OF WATER RESOURCES ELIGIBILITY

1. URBAN WATER MANAGEMENT PLAN

- a) Is the organization required to file an Urban Water Management Plan (UWMP)?
 yes no
- b) If Yes, list the date the UWMP was approved by DWR:
- c) Does the urban water supplier have a complete and validated water loss audit report verified by DWR in accordance with Senate Bill No. 555 (Stats. 2015, ch. 679).
 yes no
- d) Does the urban water supplier meet the water meter requirements of CWC 525?
 yes no
- e) Is the urban water supplier compliant with requirements to submit to the State Water Resources Control Board their monthly water use reports in compliance with requirements outlined in the California Code of Regulations, title 23, sections 991?
 yes no
- f) If facing water supply shortages, the urban water supplier must have activated a Water Shortage Contingency Plan to a stage commensurate with their current water supply conditions. Has the applicant reported activation of the plan to the State Water Board?
 yes no

2. AGRICULTURAL WATER MANAGEMENT PLAN

- a) Is the organization – or any organization that will receive funding from the project – required to file an Agricultural Water Management Plan (AWMP)?
 yes no
- b) If Yes, list date the AWMP was approved by DWR:
- c) Does the agricultural water supplier(s) meet the requirements the Water Code and Executive Order (EO) B-29-15?
 yes no

3. SURFACE WATER DIVERSION REPORTS

- a) Is the organization a Surface Water Diverter?

yes no

- b) If Yes, has the organization filed annual and monthly surface water diversion reports to the SWRCB per the requirements in Water Code section 5100 et seq., and California Code of Regulations, title 23, sections 907-930?

yes no

4. CALIFORNIA GROUNDWATER MANAGEMENT COMPLIANCE

- b) Does the project that directly affect groundwater levels or quality?

yes no

- c) If Yes, is the Project located in a CASGEM High or Medium priority groundwater basin?

- d) Please list the groundwater basin:

- e) Does the above CASGEM High or Medium priority groundwater basin(s) have an adopted GWMP in compliance of Water Code section 10753 before January 1, 2015?

yes no

- f) If yes, is a GSA letter of support included in the application?**

yes no

For groundwater projects or other projects that directly affect groundwater levels or quality in a high or medium priority basin, documentation that the project has support from the Groundwater Sustainability Agency (GSA) of the impacted groundwater basin(s), or the agency responsible for implementing an alternative plan is required to be included with the application.

5. CASGEM COMPLIANCE

- a) Does the project overlie a medium or high groundwater basin as prioritized by DWR?

yes no

- b) If Yes, list the groundwater basin:

- c) If Yes, please specify the name of the organization that is the designated monitoring entity:

- d) If there is no monitoring entity, please indicate whether the project is wholly located in an economically disadvantaged community.

yes no

- e) If yes, is a map that shows the Project's implementing agency's service area boundary and DAC overlay included in the application?**

yes no

Note: Consistent with Water Code section 10933.7(b), if the entire service area of the individual Local Project Sponsor's service area is demonstrated to be a disadvantaged community, the project will be considered eligible for grant funding notwithstanding CASGEM compliance. If the Local Project Sponsor is exempt, a map must be included with the application that shows the Project's implementing agency's service area boundary. The map should include a DAC overlay to demonstrate the project is exempt. Please contact NCRP staff for assistance.

6. STORM WATER MANAGEMENT PLAN

- a) Is the project a stormwater and/or dry weather runoff capture project?

yes no

- b) If yes, please provide the name of the Stormwater Resource Plan (or Functionally Equivalent Stormwater Resource Plan) that the project is listed in.

- c) If the project is a stormwater project but is not listed in a Stormwater Resource Plan, does the project benefit a Disadvantaged Community with a population of 20,000 or less?
- yes no