

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: Conservation Measures to Address Drought for the Resighini Rancheria
2. Local Project Sponsor (if different than grantee): Resighini Rancheria
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: 41 degrees 30'50"N

Longitude: 124 degrees 01'19"W

4. Please briefly describe the proposed project.

The proposed Project seeks to implement several critical water conservation measures for the Resighini Rancheria tribal community to address drought conditions and protect groundwater within the lower Klamath River. The proposed Project will include installation of 22 zero-lead residential water meters, four 1-inch meters on tribal facilities, two 2-inch meters on the main distribution lines to identify leaks, three 4-inch gate valves for system isolation, one 3-inch flow switch, system telemetry, replacement of two 200-foot sections of HDPE 4-inch tank inflow line and 6-inch tank outflow line, water storage tank access road repair, a 60,000-gallon water storage tank, leak detectors, and automated water meter reading system.

The Resighini Rancheria is served by a Tribal community water system (EPA PWS# 0605057), which serves 152 Tribal citizens of the Resighini Rancheria. The system includes two pumps that draw water from the same groundwater aquifer, a 40,000-gallon storage tank, and distribution system. The proposed Project would add a secondary water storage tank of at least 60,000 gallons needed for current demands as well as the components presented above. The improvements would ensure the uninterrupted delivery of water to the Resighini Rancheria community during drought conditions, and reduce water losses and associated demands on groundwater, and improve public health conditions.

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.

Yes, this proposed project responds to an existing emergency to both humans and wildlife. The tribal community water system is the sole source for all the Tribal residences and facilities at Resighini Rancheria. The system is reliant on two side-by-side wells that are pulling from the groundwater associated with the lower Klamath River. Drought conditions are severely impacting the lower Klamath River and the Tribe has seen an associated impact to the fish (juvenile fish dying and disease), water quality (HABs), and other wildlife. The tribal community water

system has seen impacts from drought conditions that have resulted in increased pumping and need to monitor usage to avoid shutoff. Further, the total inability of the operators to identify and isolate leaks significantly contributes to large amounts of water loss on an already strained system, as well as periods where the entire system must be turned off. This impacts public health and safety for the entire Tribal community, including all residents, Tribal offices, and the visitors at the park and community center. Water losses in the distribution system increase the need for pumping for the groundwater resource which can affect water availability in the Klamath River.

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.

GOAL 1: INTRAREGIONAL COOPERATION & ADAPTIVE MANAGEMENT

-Objective 1 - Respect local autonomy and local knowledge in Plan and project development and implementation

-Objective 3 - Integrate Traditional Ecological Knowledge in collaboration with Tribes to incorporate these practices into North Coast Projects and Plans

The proposed Project incorporates Goal 1 Objectives 1 and 3 through supporting the Resighini Rancheria in improving water system efficiency and providing the Tribe with the resources necessary to continue to improve the water system.

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

The proposed Project incorporates Goal 2 Objectives 4 and 5 through supporting the economically disadvantaged Resighini Rancheria water system to improve the water system

efficiency.

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
The proposed Project incorporates Goal 4 Objectives 8, 9, and 10 through improving the reliability of the Resighini Rancheria water system, improving infrastructure, and reducing peak demands on groundwater.

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.
The proposed Project incorporates Goal 5 Objectives 11 and 12 through improving the water system resiliency and reducing energy needs through leak detection and improved water system efficiency.

8. Describe the Primary Benefit of the project.

Quantified benefit: 7

Units (Drop down):Other If other please enter:Days of Storage

Benefit Type: Water Supply - Ground If other please enter:

9. Describe the Secondary Benefit of the project:

Quantified benefit: 152 Tribal citizens of the Resighini Rancheria. The 10 residences and 4 Tribal facilities on the Rancheria. Fish and wildlife resources of the lower Klamath River.

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

Benefit Type: Ecosystem/Habitat Restoration If other please enter:

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

Drought risk to the community has been highlighted by the lack of water meters and gate valves required for tracking consumption, promoting conservation, and detecting leaks. The Tribe is unable to accurately estimate the reduction in water losses until the project is implemented. However, connection metering to inform customers of water use has been shown to reduce usage. The water system does not have residential water meters, production master meters, or gate valves for system isolation. The system is in need of basic telemetry to remotely report tank level and pumping conditions to the operator to prevent outages. The additional system flow monitoring and leak detection equipment will also enable the Tribe to identify and address leaks more easily. An additional 60,000 gallon storage tank will provide sufficient storage to enhance time for groundwater recharge and provide water to the tribal community for at least 1 week. Although final engineering will be necessary, currently it has been projected by the Tribe's Water Operator, in discussion with Indian Health Service engineers that the project will include installation of 22 zero-lead residential water meters, four 1-inch meters on tribal facilities, two 2-inch meters on the

distribution to locate leaks, three 4-inch gate valves for system isolation, one 3-inch flow switch, system telemetry, replacement of two 200-foot sections of HDPE 4-inch tank inflow line and 6-inch tank outflow line, water storage tank access road repair, 60,000-gallon water storage tank, leak detectors, and automated water meter reading system. In addition, the Resighini Rancheria has an outreach conservation program in place using the annual consumer confidence report, as well as newsletters to help inform the community of things they do to help conserve water. the Tribe is also working on a Drought Conservation Plan that will provide a framework that will be required for residents to use for water conservation during drought conditions. These measures in conjunction with the proposed Project will provide for a more drought resilient system to achieve the sysetm benefits.

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

The Governor issued a drought delcaration for Del Norte County, and the Tribe declared a State of Emergency Declaration for Drought on May 26, 2021. The Declaration was to acknowledge that the impacts from the ongoing drought include, but are not limited to water supply challenges, groundwater availability for domestic and government uses, poor water quality and quantity in the Klamath River and tributaries, ongoing fish kill of juvenile salmon, increased fish disease outbreaks and likelihood for associated adult salmonid fish kill, negative impacts to future fish runs, harmful algal blooms in the Klamath River and tributaries, negative impacts to threatened and endangered species, negative impacts to Tribal trust resources, negative impacts to terrestrial wildlife and plant species, water reliability for wildfire and residential fire protection, impacts to Tribal beneficial uses associated with water, potential negative impacts to ocean water quality and marine resources, economic impacts to our RV Park and Campground from reduced recreational opportunities associated with tourism, increase in wildfire potential, negative impacts to forest resources including merchantable timber, as well as negative impacts to Yurok culture, ceremonies, subsistence, and cultural lifeways that are inextricably tied to the waterways and lands within our ancestral territory. All of these impacts directly and/or indirectly impact the health, wellbeing, political and economic security, and cultural lifeways of our Tribal Citizens and our Tribal nation.

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

The tribal community water system is the sole provider to all of the Tribal residences and facilitites at Resighini Rancheria. This system is reliant on two side-by-side wells that are pulling from the groundwater associated with the lower Klamath River. The tribal community water system has seen impacts from drought conditions that have resulted in increased pumping and need to monitor usage to avoid shutoff. The total inability to identify and isolate leaks significantly contributes to large amounts of water loss on an already strained system, as well as periods where the entire system must be turned off. This impacts public health and safety for the entire Tribal community, including all residents, Tribal offices, and the visitors at the park and community center. The project would include a secondary water storage tank of at least 60,000 gallons and associated piping; water meters and gate valves; a telemetry system; and leak detector equipment to efficiently identify and resolve leaks in the system. The improvements would ensure the uninterrupted delivery of water to the Resighini Rancheria community during drought conditions, reduce the impact to precious groundwater and improve public health conditions.

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	57,000		57,000
(b)	Land Purchase / Easement			
(c)	Planning / Design / Engineering / Environmental Documentation	47,500		47,500
(d)	Construction / Implementation	237,500	150,000	387,500
	TOTAL COSTS	342,000	150,000	492,000

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 to supply the budget needed to complete the project. If State funding is not secured then the Tribe will not be able to address the drought emergency and will have to continue to pursue alternative funding that will take longer and exacerbate drought impacts in terms of duration and severity.

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 Tribe has secured \$150,000 from Indian Health Service for a portion of the project, which is being provided as a cost share.

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.

No, Tribe owns land and all facilities, includes fee and trust lands.

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

Preliminary design has been completed by Indian Health Service for the meters and valves; final engineering needed, and is included in the cost estimate. Design and engineering is needed for water tank installation, connection to wells, and access, as well as telemetry system. The size of tank was based on how often the system wellhead pumps are running plus the system high demand peaks, with the intention of taking pressure off the supply aquifer.

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.

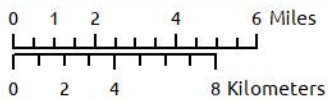
Indian Health Service will perform NEPA for the project as lead agency in connection with their funding portion. If needed a CEQA Categorical Exemption (CE) could be filed, as the project is anticipated to be exempt under several exemptions, including maintenance and repair in place.

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

The Tribe's Water Operator, in discussion with Indian Health Service engineers have developed the concept project to include the installation of 22 zero-lead residential water meters, four 1-inch meters on tribal facilities, two 2-inch meters on the distribution lines to locate leaks, three 4-inch gate valves for system isolation, one 3-inch flow switch, system telemetry, replacement of two 200-foot sections of HDPE 4-inch tank inflow line and 6-inch tank outflow line, water storage tank access road repair, 60,000-gallon water storage tank, leak detectors, and automated water meter reading system. The steep, dirt access road will need to be improved to ensure access and an area next to the existing tank will need to be leveled for the storage tank.

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	3/1/2022	12/30/2023
(b)	Land Purchase / Easement		
(c)	Planning/ Design / Engineering / Environmental Documentation	4/1/2022	12/30/2022
(d)	Construction/ Implementation	10/1/2022	9/30/2023



-  Resighini Rancheria Ownership
-  US County
-  US State

BBWAssociates, Inc. Arcata, CA
Map last published on 2018-06-27.
Coordinate System: NAD 1983 UTM Zone 10N





Resighini Rancheria Tribal Land

