

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: Brooktrails Township Clarifier Project
2. Local Project Sponsor (if different than grantee): Brooktrails Township 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: 39.433594

Longitude: -123.382391

4. Please briefly describe the proposed project.
During the 2021 drought, the District's 45-year old clarifier required emergency repairs. The sole clarifier removes suspended solids as the first step in treatment at the drinking water treatment plant. Failure of the clarifier and the need to take the clarifier offline for repairs results in the risk of loss of the ability to distribute water from the treatment plant to all customers. That risk is greater during drought conditions due to increased solids from algae and low flow water quality issues in local surface water. To provide reliable safe drinking water when the 130,000 gallon clarifier fails or has to be taken offline for repairs, a second clarifier is needed for redundancy at the drinking water treatment plant.

The proposed project is to add a modern packaged clarifier system with a tank/basin that could accommodate up to 200 gallons per minute, providing secondary service while the primary clarifier is repaired. This project will extend the life of the existing clarifier by at least ten years, by reducing usage demands.

Brooktrails Township CSD strictly enforces a usage cap of 9,000gal/month/connection to conserve community water supplies.

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.

After the emergency repairs mentioned above, the District realized the urgency needed to add a second clarifier. Brooktrails Township CSD's proposed clarifier project provides benefits to an underrepresented community facing a Human Right to Water challenge. The project provides direct water-related benefits to the residents located in unincorporated area outside Willits, California.

The NCRP data map (located at <https://northcoastresourcepartnership.org/data/>) demonstrates that this area is entirely comprised of a "Disadvantaged Community"

(DAC) and almost entirely comprised of a "Severely Disadvantaged Community" (SDAC). Brooktrails Township is a Census Designated Place (CDP) and the primary population center within the District, Brooktrails CDP, has an MHI of \$55,032 (+/- \$16,298) per the 2019 American Community Survey 5-Year Estimates, which is 77% of the Statewide MHI.

The proposed project will provide significant reliability improvements to the District's water treatment system through the installation of the second clarifier. A second clarifier will provide needed redundancy that is designed into modern treatment plants in order to avoid an emergency should the existing 130,000 gal clarifier fails or has to be taken offline for repairs. Emergency repairs on the clarifier were needed during the 2021 drought, which left the community without a reliable water source. This project will extend the life of the existing clarifier by being able to take it offline for maintenance. Suspended solids removal from surface water supplies is critical to public health. Especially during summer months and drought conditions when the water quality decreases becoming subject to harmful solids such as algae at higher temperatures. Below is Brooktrail Township CSD's Human Right to Water scoring relative to water quality, accessibility and affordability indicators.

HR2W: Water Quality Score (possible range: 0 - 4)

Brooktrails Water Quality Composite Score: 0.96

-High Potential Exposure Score: 1 (This system had: 1 contaminant with high potential exposure.)

-Duration of High Potential Exposure Score: 1 (This system had: Maximum of 1 year high potential exposure.)

-Data Availability Score: 0 (This system had: 14 contaminants (out of 14) with req. data in study period.)

-Compliance with Primary Drinking Water Standards Score: 1 (This system had: 1 contaminant with at least 1 MCL violation in study period.)

-Maximum Duration of Non-Compliance Score: 1 (This system had: Maximum of 1 year non-compliance)

HR2W: Water Accessibility Score (possible range: 0 - 4)

Brooktrails Water Accessibility Composite Score: 1.00

Physical Vulnerability to Water Outages Score: 1.00

HR2W: Water Affordability

This system serves 3,800 people.

Brooktrails Water Affordability Composite Score is: No Data

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. The Project supports this goal by improving water supply reliability of the 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. The Project benefits an economically disadvantaged community.

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 - The Project improves the reliability of supply and the infrastructure by preventing loss of service and failure of infrastructure.

8. Describe the Primary Benefit of the project.

Quantified benefit: 130,000

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

Benefit Type: Water Supply If other please enter: Gallons saved if clarifier fails.

9. Describe the Secondary Benefit of the project:

Quantified benefit:

Units (Drop down):Other If other please enter:ppb/ppm/ntu

Benefit Type: Water Quality - Surface Water If other please enter:Suspended solids flocculation and treatment; clarifier failure could introduce contaminants into the drinking water distribution system.

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

The clarifier is 45-years old and required emergency repairs during the 2021 drought. The clarifier removes suspended solids prior to flowing through the remainder of the treatment system. Failure of the clarifier results in the inability to distribute water to all customers.

To take the clarifier offline for time-consuming repairs and to reduce its usage to extend its life, a secondary clarifier is required. A modern package clarifier system and tank/basin is proposed, which can accommodate up to 200 gpm flow, providing service while the primary clarifier is repaired and maintained. This project will increase the life of the existing clarifier by at least ten years. A modern packaged clarifier system is compatible with the treatment practices currently used at the water treatment plant and can easily be tied in.

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

Brooktrails Township customers are required to conserve water under the enforcement of a monthly water use cap of 9,000gal/month/connection which has been in place since 2016 after a drought induced curtailment ended in 2015. This mandatory conservation has helped maintain community water supplies effectively until recently. Water supplies were below 50% prior to recent rains this year, sustained primarily due to strict water conservation enforcement. In DWR's 2020 Part II – Drought and Water Shortage Vulnerability Assessment and Risk Scoring, Brooktrails CSD was identified as an At-Risk system for drought impacts based on past drought impacts. Additionally, the State Water Resources Control Board's Safe and Affordable Funding for Equity and Resilience (SAFER) program identified the Brookdale CSD as being at At-Risk of failing to meet one or more key Human Right to Water goals including maintaining a sustainable water system.

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

Emergency repairs on the clarifier during the 2021 drought caused by heavy particulate input from algae and sediment put the limited water supplies of the District at risk. Water quality is also lower during drought conditions as surface water reservoirs warm and supply levels drop. An alternate clarifier basin would provide the protection needed during drought conditions when the primary clarifier fails.

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	1,500	0	1,500
(b)	Land Purchase / Easement	0	0	0
(c)	Planning / Design / Engineering / Environmental Documentation	3,500	2,500	6,000
(d)	Construction / Implementation	105,000	58,500	163,500
	TOTAL COSTS	110,000	61,000	171,000

14. Please describe why state funding is needed for this project. If state funding is not secured, what

will happen to the project?

There is minimal to no population growth in the District. The infrastructure in the District was built all at once and the capital improvement plan cannot support another significant project cost of this scope. The customers in the District cannot afford a rate increase of over \$60 per year, which is what this project would cost per connection. Brooktrails is a disadvantaged community with areas of severely disadvantaged population as indicated by Department of Water Resource DAC map.

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 is able to use up to \$61,000 of its administrative and capital funds to support this project. Repairs to the existing clarifier are included in Budget Category (d).

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

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

No site design has been started. A package clarifier and concrete basin concept has been developed for the drinking water treatment plant. A manufacturer with a compatible system has been identified and a quote has been provided, though subject to current material escalation trends.

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.

District staff and counsel will complete and file necessary CEQA ND/MND documentation for the project.

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

The project to be designed will include: Clearance of 250 square feet of pavement at the treatment plant site with very minor grading, cast in place concrete basin, installation of package clarifier with the associated trenching, pipes and appurtenances. Specialty contractors for concrete work and clarifier package install, staff for trenching and tie-in. Manufacturer support likely for clarifier package install.

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
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(a)	Project Administration	3/1/2022	9/30/2023
(b)	Land Purchase / Easement		
(c)	Planning/ Design / Engineering / Environmental Documentation	4/1/2022	1/30/2023
(d)	Construction/ Implementation	2/1/2023	9/30/2023