

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: Upper Russian River Rainwater Harvest and Greywater Workshops and Demonstration Project
2. Local Project Sponsor (if different than grantee): Mendocino County Resource Conservation 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: 39.267436

Longitude: -123.204825

4. Please briefly describe the proposed project.
Mendocino County Resource Conservation District proposes to conduct two rainwater harvest and two greywater reuse workshops and install one 1,500-gallon rainwater harvest demonstration project in the greater Ukiah area (Potter Valley, Redwood Valley, Calpella, Ukiah, Hopland). The workshops will be advertised and open to the public and will present information applicable to small businesses, small agriculture, Tribes, and residences. The goal of the project is to assist individual homeowners and families to prepare for and adapt to changing water supply 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. All of Mendocino County is in a declared drought emergency. The Ukiah Valley is currently at level D3 Extreme Drought according to the California Drought Monitor. The dry lake bed of Lake Mendocino was the location chosen by Governor Newsom to declare the first drought emergency in California in April 2021. In August 2021, the State Water Resources Control Board issued curtailment orders to all water right holders in the Upper Russian River, making it illegal to draw or divert water from the Upper Russian River, except as needed to ensure human health and safety. Water districts outside the Ukiah city limits are largely dependent on surface water and water stored in Lake Mendocino, but the lake is at risk of going completely dry in 2022 (SF Chronicle 11/12/21). The communities of Calpella, Redwood Valley, Hopland, and others, were subject to severe water shortages and mandatory water restrictions in 2021. This project will provide how-to demonstrations for improved water resilience for local communities.

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.

Primary Objectives of Project:

Goal 5: Climate Adaptation & Energy Independence

Objective 11 — Address climate change effects, impacts, and 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 and safety

Objective 12 — Promote local energy independence, water/ energy use efficiency, GHG emission reduction, carbon sequestration, and jobs creation

Secondary Objectives of Project:

Goal 1: Intraregional Cooperation & Adaptive Management

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

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 10 — Protect groundwater resources from over-drafting and contamination

8. Describe the Primary Benefit of the project.

Quantified benefit: 5000

Units (Drop down): Other If other please enter: Participants reached through workshops, plus an additional 500 through social media

Benefit Type: Water Supply Reliability If other please enter: Community understanding of greywater and rainwater harvest

9. Describe the Secondary Benefit of the project:

Quantified benefit: 1500

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

Benefit Type: Water Supply If other please enter:

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

The project will engage the public through four in-person workshops (unless public health or safety prohibit in-person gatherings), plus ample outreach through traditional and social media including press releases, Facebook and Instagram posts, the MCRCD newsletter (over 150 subscribers), and the Mendocino County Water Agency newsletter (over 600 subscribers). In addition, the rainwater harvest demonstration project will collect 1,500 gallons of water per season.

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

Since May 2021, residents of Redwood Valley have been restricted to 55 gallons per person per day and customers of Calpella, Hopland, Willow, Millview and River Estates Water Districts have been required to reduce water usage by 50%. Local agriculture in Redwood Valley was cut off from water deliveries completely. Residents in these locations and others in the greater Ukiah area are primarily dependent on flows released from Lake Mendocino for their water supply. As of November 18, 2021, Lake Mendocino was at 20,206 acre-feet, or 36.6% of the water supply target for this time of year. As noted above, Lake Mendocino is at risk of going completely dry in 2022.

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

The project will educate the local population about ways to adapt to changing water supply conditions by demonstrating easy ways to collect and reuse water, reducing reliance on water suppliers and Lake Mendocino. According to Greywater Action, "water usage decreased after households installed greywater systems by an average of 17 gallons per capita per day (gpcd), which represents an average reduction of 26% (48 gpcd down from 65 gpcd)."

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	7,250		7,250
(b)	Land Purchase / Easement	0		0
(c)	Planning / Design / Engineering / Environmental Documentation	27,868		27,868
(d)	Construction / Implementation	13,367		13,367
	TOTAL COSTS	48,485		48,485

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

The project is unlikely to happen without state funding. MCRCD does not currently have funding for rainwater and greywater workshops or demonstration projects in 2022 or beyond. The majority of the upper Russian River watershed in Mendocino County is designated as an Economically Disadvantaged Community (DAC), and MCRCD's ability to deliver this information to the communities would not be possible if funding is not made available.

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 funding requested will cover the full cost of the project.

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.

Yes, landowner permission will be sought for the rainwater/greywater demonstration project. The location selection will be done with the rainwater/greywater consultant in coordination with MCRCD once funds are secured..

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

Planning and design have not been completed for the demonstration project. Planning and design, including identifying an appropriate location, will be completed by the rainwater/greywater consultant in coordination with MCRCD once funds are secured.

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.

NOE - Notice of Exemption and a County permit for greywater installation will be secured.

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

Implementation will consist of planning and conducting four community workshops, including arranging for location(s), speaker(s), and advertising. Construction will consist of identifying a location for the demonstration project, installing a gravel pad, installing pipes and a rainwater catchment tank and a greywater reuse system.

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	12/31/2024
(b)	Land Purchase / Easement		

(c)	Planning/ Design / Engineering / Environmental Documentation	3/1/2022	12/31/2024
(d)	Construction/ Implementation	3/1/2022	12/31/2024



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:

Rainwater Harvest and Greywater Workshops and Demonstration Project

2. Project Abstract [500 characters]

This project proposes to conduct up to three rainwater harvest and/or greywater reuse workshops and at least one demonstration project in the upper Russian River. Communities reliant on Lake Mendocino, including Calpella and Redwood Valley, were subject to severe water shortages in 2021 and Lake Mendocino is at risk of going completely dry in 2022. This project will provide how-to demonstrations and technical assistance for homeowners and small businesses.

3. Local Project Sponsor Name:

Mendocino County Resource Conservation District

4. Contact Name/Title

Name: Deborah Edelman

Title: Water Program Manager

Email: deborah.edelman@mcrd.org

Phone Number (include area code): 707-462-3664 ext. 106

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:

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 Ukiah Valley is currently at level D3 Extreme Drought according to the California drought monitor. The dry lake bed of Lake Mendocino was the location chosen by Governor Newsom to declare the first drought emergency in California in April 2021. Water districts outside the Ukiah city limits are largely dependent on stored water in the lake but the lake is at risk of going completely dry in 2022. Preparations must be made to prepare for continued drought conditions in 2022 and beyond.

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)

25% of project will benefit census tracts 109 and 115 in Calpella and North Ukiah, designated as DAC by the DWR DAC mapping tool.

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)

25% of project will benefit census tracts 113 and 116 in south Ukiah and environs, designated as SDAC by the DWR DAC mapping tool.

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: Ukiah Valley 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: Ukiah Valley Basin
- c) If Yes, please specify the name of the organization that is the designated monitoring entity:
Mendocino County Water Agency
- 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