

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: Installation of Smart Meters in Jenner, CA
2. Local Project Sponsor (if different than grantee): Sonoma County Department of Transportation and Public Works
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: 38.449730

Longitude: -123.115036

4. Please briefly describe the proposed project.
CSA-41 is a small water system that serves approximately 128 connections for the community of Jenner by the Sea. It is in a water scarce area, which over the last five years has been plagued by significant water loss; at times, over 50% of production goes unaccounted for. From 2018 -2020, the system lost from 74,000 to 307,000 gallons of water per month. The existing meters are over 20 years old, and as such it is most likely the case that much of this water loss is due to unrecorded use. Under these circumstances, meters with age lose the ability to record low flows of water. In addition, what water flow they do record can be significantly less than what is going through the meter. If there is no obvious sign like pooling water, we are not able to pinpoint if/where there is a leak. Without accurate meter readings it is difficult, if not impossible, to discern if water loss is due to the meters, as opposed to leaks in the system. This contributes not only to an unreliable water supply, but also possible loss of revenue that could be used to maintain the system as a whole.

The County is proposing to address this through the purchase and installation of Badger smart meters, funded by DWR. Existing meters would be swapped out in-kind with the new smart meters, which are capable of broadcasting daily usage through cell signals to a cloud-based system. New plastic lids would also replace existing concrete vault lids to facilitate good signal strength at each replacement meter location.

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, as the cause of the significant water loss within the system cannot be identified given the age and deterioration of the area's current equipment. By switching out the current water meters for smart meters, Jenner's water system will be able to identify if water loss is due to unrecorded usage or leaks. This will lead not only to conservation efforts, but also allow us to identify if other repairs are necessary. This project will

lead to operational efficiency, repair/leak identification, and conservation efforts by residents and businesses in the area.

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.
North Coast IRWM:

GOAL 2: ECONOMIC VITALITY

-Objective 5 - Conserve and improve the economic benefits of North Coast Region working landscapes and natural areas

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

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.

8. Describe the Primary Benefit of the project.

Quantified benefit: 307000

Units (Drop down):Other If other please enter:(up to) gal lost/month

Benefit Type: Water Conservation If other please enter:

9. Describe the Secondary Benefit of the project:

Quantified benefit: 0

Units (Drop down):Other If other please enter:(up to) 50% water loss/mo

Benefit Type: Improve operational efficiency If other please enter:

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

By switching out the current water meters for smart meters, Jenner's water system will be able to identify if water loss is due to unrecorded usage or leaks. This will lead not only to conservation efforts, but also allow us to identify if other repairs are necessary.

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

The community's water supply has been greatly impacted by the recent drought. Residents were asked to reduce usage by 40% to conserve potable water.

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

During the latest drought, communities were asked to reduce their water usage by up to 40% to ensure a stable water supply. Given the unreliability of this community's water meters, residents do not have a clear idea of how much water they are actually using. This makes conservation a guessing game at best, and prevents the district from having reliable data with which to pinpoint their conservation efforts. The bigger concern, however, is that resident conservation may not be enough. Conservation is not effective if we are unable to identify why so much water is being lost in this system. This project will lead to operational efficiency, repair/leak identification, and conservation efforts by residents and businesses in the area.

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	0	850	850
(b)	Land Purchase / Easement	0	0	0
(c)	Planning / Design / Engineering / Environmental Documentation	0	0	0
(d)	Construction / Implementation	74,000	0	74,000
	TOTAL COSTS	74,000	850	74,850

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

Given the limited number of connections, residents/water system users are unable to fund this project on their own. Without state funding this project cannot be implemented.

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.

All TPW staff labor will be absorbed by the department and will not be billed to this project. This includes overseeing day-to-day operations as well as grant management activity. This project will not require additional funding.

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.

None will be required as this is straightforward 1:1 equipment replacement.

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.

None will be required.

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

Logistically, this is a simple operation with two staff members of Russian River Utilities, the County's contracted operator going lot by lot swapping the meters out.

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	6/1/2023
(b)	Land Purchase / Easement		
(c)	Planning/ Design / Engineering / Environmental Documentation		
(d)	Construction/ Implementation	1/1/2023	6/1/2023