



A. General Project Information

1. Organization / Project Sponsor Name:

Gold Ridge Resource Conservation District

2. Project Name:

Rainwater Catchment Rebate and Streamflow Enhancement Project - Phase II

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

4. If the project sponsor has worked with NCRP in the past, describe the project and outcome.

GRRCD has received and successfully implemented seven grants through the NCIRWMP process, totalling nearly \$2.7M. The most recent, awarded through the Prop 1 Phase 1 Implementation Round, provided funding to the program's partnership for the pilot launch of this program, originally anticipated to go through 2024. However, due to both the popularity of the program and the need for additional funding to implement strategies to increase participation among low-income households, the partnership is seeking additional funds for a second phase.

5. Please describe the qualifications, experience, and capacity of the project team that will be overseeing project implementation.

GRRCD and its partners all came into the program having had significant experience designing and implementing both small- and large-scale rainwater catchment systems through various grants, including through NCIRWMP Prop 50 & 84. Through the Prop 1 grant in progress, the partners have worked to develop and launch a county-wide rainwater catchment rebate program, with cost share provided by the County of Sonoma to cover the county areas outside of the North Coast region.

6. Is this project part of a larger project or program? If so, what effectiveness monitoring is being conducted and what are the results?

The pilot program funded through our Phase I grant has since been expanded through three other grant programs. Program success has thus far been gauged through participation, i.e., workshop attendance, technical assistance applicants, number of homeowners who have completed construction, etc. However, cost share grants recently acquired from DFW focus on supporting the program along particular stream reaches, where streamflow/coho monitoring is being conducted.

7. Project Abstract [500 characters max.]

Building on their Phase I pilot project grant, the partnership seeks to continue its successful rainwater catchment rebate program to promote water security, foster water use awareness,



and protect summer streamflow, while restructuring the program to pull in more economically disadvantaged households, expand adoption in community spaces, and include other water management practices.

8. Project Description [3,000 characters max.]

With the North Coast facing extended droughts, less predictable weather patterns, and increasingly catastrophic weather events threatening water supply infrastructure, more localized household-level water security is an increasingly critical aspect of climate change resiliency.

Working through the Sonoma-Marín Saving Water Partnership (SMSWP), the Gold Ridge and Sonoma RCDs, Sonoma Water, and non-profit Daily Acts launched a rainwater catchment rebate program through our existing NCIRWMP Prop 1 grant in early May 2022. The program thus far has been very successful, with most of the rebate funding earmarked within several months after program launch. (More details of the current program are included in the "Project Information Notes" section.)

With community interest thus far exceeding expectations, the major hurdles to participation thus far have been the availability of experienced designers to respond to participant demand, and high cost of installation of large systems even with the rebate incentive. To address these bottlenecks, we are planning trainings in Spring 2023 for landscapers to design and build rainwater catchment systems, to be conducted in English and Spanish and integrated into the SMSWP's Qualified Water Efficient Landscaper (QWEL) certification program. The partnership has also launched a series of workshops and webinars targeting homeowners interested in designing and installing their own smaller-scale systems.

Through the proposed Phase II funding, the partnership seeks to further expand the program to: provide an additional \$150,000 in rebates towards an estimated 25 large-scale ($\geq 5,000$ gallons) and 50 small-scale systems totaling at least 300,000 gallons in water storage; design and construct 5 systems at community sites (like school gardens) totaling 25,000 gallons with nonprofit partners; assist additional water providers to establish their own programs; coordinate with local fire districts to map tank locations and provide access details and required fittings for emergency use; and develop strategies to better serve economically disadvantaged households, tribal partners, and community sites such as school gardens. One strategy is to provide direct tank purchase and delivery for these households, in addition to the materials rebate, which significantly reduces participant costs. Another is to involve organizations such as Conservation Corps North Bay and local nonprofit Circuit Rider in our installer training program to provide lower-cost installation services to qualifying projects.

Finally, through Phase II, project partners will collaborate to research and develop a more comprehensive rebate program to promote additional water sustainability practices, such as greywater installation and rain garden construction. We would also work with permitting departments to explore ways to facilitate the permitting of rainwater catchment for indoor use.



9. Specific Project Goals/Objectives

Goal 1: Enhance water security and resource use awareness through continued promotion of rainwater catchment

Goal 1 Objective: Provide technical and financial support for the design and construction of an estimated 75 additional residential rainwater catchment systems totalling at least 300,000 gallons

Goal 1 Objective: Continue to provide cost share to the Cities of Santa Rosa and Healdsburg to support their existing \$0.50/gallon rebate for rainwater catchment

Goal 1 Objective: Collaborate with at least two other Cities and water providers to develop their own rainwater catchment rebate programs

Goal 1 Objective: Enhance summer streamflow for wildlife in critical stream reaches by offsetting at least 80,000 gallons in riparian diversions in coordination with Department of Fish and Wildlife

Goal 1 Objective: Coordinate with Conservation Works and the School Garden Network to construct at least 5 systems for school gardens, community gardens, tribal partners, and other community sites

Goal 1 Objective: Conduct at least 2 hands-on workshops targeting at least 30 homeowners interested in installing their own large-tank systems

Goal 2: Develop and implement strategies to make rainwater catchment systems more affordable

Goal 2 Objective: Provide technical assistance and design services for at least ten income-qualifying households

Goal 2 Objective: Provide directly purchased tanks, in addition to the rebate, for 5k-10k gallon systems at 10 income-qualifying households

Goal 2 Objective: Partner with Conservation Corps North Bay, Circuit Rider, and/or others to train crew supervisors and work crews as a more affordable installation alternative

Goal 2 Objective: Facilitate work exchanges, tool sharing, and technical support following workshops to promote homeowner installation of mid-sized systems

Goal 3: Expand the rebate program to include other practices that promote conservation and recharge

Goal 3 Objective: Research and develop technical specifications and rebate structure for other practices such as greywater installation and raingarden construction

Goal 3 Objective: Coordinate with Cities, water suppliers, and groundwater sustainability agencies to develop incentive programs for these additional water management practices



Additional Goals & Objectives (List)

Goal 4: Promote more widespread water storage for emergency fire services throughout the county

Goal 4 Objective: Engage with fire departments/districts to determine needs for usage of residential tank water stores

Goal 4 Objective: Coordinate with fire districts to provide spatial data and access information of constructed large-scale systems to serve as local emergency water for fire fighting

Goal 4 Objective: Integrate fire district water use needs into technical specifications for rainwater catchment designs (fittings, access considerations, etc)

10. Describe how the project addresses the NCRP Goals and Objectives selected. [1,000 characters max.]

Goal 3, Objectives 6 & 7: The project will offset streamflow and groundwater extraction, enhancing streamflow for endangered coho salmon, threatened steelhead trout, and other species. Goal 4, Objectives 8 & 10: The project will provide additional water resources for municipal water users, as well as for domestic, agricultural, Tribal, and recreational uses, that will offset streamflow and groundwater extraction, which may impair groundwater quality. Goal 5, Objective 12: The project stores rainwater for dry season and drought use.

11. Describe the physical, biological and/or community need for the project. [1,000 characters max.]

Our region's ongoing drought has highlighted the need for household-level water security and alternative water sourcing, as many residential wells and riparian diversions have run dry in the summer months, and riparian users or community water providers have faced mandated restrictions and regulatory emergency orders. Repeated devastating wildfires since 2017 have also brought renewed concern for water availability, particularly in rural areas. Finally, the initiation of groundwater management in several area basins and the growing recognition of groundwater as a public resource has led many residents to think more critically about where their water comes from. Additional intensifying threats to water supplies and delivery infrastructure, such as flooding, earthquakes, and groundwater contamination, also highlight the need for a paradigm shift in how we meet our most basic needs.

12. Describe the financial need for the project. [1,000 characters max.]

With Phase I's rebate funding being rapidly allocated to program participants, more funding is needed to continue the program's momentum and expand adoption of the practice and the self-reliance it provides into disadvantaged communities. While rainwater catchment is swiftly growing in popularity, systems large enough to significantly offset extractive sources or truly address water insecurity remain unaffordable for many, even with design assistance and the rebate incentive. This second phase of the program will serve to develop and implement



pilot strategies to increase affordability, while seeking to create a larger community of affordable skilled labor to assist with installation.

13. Describe potential adverse impacts from project implementation and how they will be mitigated.

Rainwater catchment systems, particularly small systems on small urban lots, may have inadequate considerations for overflow when large roof surfaces are directed into undersized tanks. This can create problems of poor drainage, pooling, erosion, or overflow onto neighboring properties. The technical assistance provided through the program can help ensure systems are designed properly. While overflow basins are often considered an ancillary component of a rainwater system, they can often attenuate much more water for aquifer recharge than can be captured in tanks. Evaluating these raingardens as a practice in themselves, with rebate funding applied to their construction, will help ensure they are optimized for water capture and will make the entire rainwater catchment system as a whole more affordable.

14. Will this project mitigate an existing or potential Cease and Desist Order or other regulatory compliance enforcement action? yes no

If yes, please describe. [500 characters max.]

15. Does the project address a contaminant listed in AB 1249 (nitrate, arsenic, perchlorate, or hexavalent chromium)?

yes no

If yes, provide a description of how the project helps address the contamination. [500 characters max.]

Residents of the dairying community of Valley Ford currently import drinking water, as the Valley Ford Water Association groundwater wells currently violate the maximum containment level for nitrates. Rainwater catchment can provide a cleaner alternative, particularly as this funding request seeks to facilitate permitting for indoor potable use.

16. Describe how the project contributes to regional water self-reliance and addresses climate change. [1,000 characters max.]

Many areas within the North Coast region of Sonoma County suffer from water insecurity. Community water systems upstream of the Lake Sonoma reservoir releases, like Cloverdale and Healdsburg, are facing severe water use restrictions. Many rural residential well owners suffer from unproductive wells or contaminated aquifers, and are forced to truck in water. Other areas have fractured geology that fails to support substantial aquifers, and are reliant exclusively on streamflow diversions that threaten aquatic life and dry up in drought years. Even areas supporting healthy groundwater basins are not sustainable into perpetuity, as is evidenced by DWR's recent designation of the Santa Rosa Plain groundwater basin as medium



priority. The proposed project allows individual households to increase their localized self-reliance and winter water storage as they face extended summer droughts and increasingly compromised water supplies.

17. Does the project increase public safety with regards to flood protection, wildfire hazard risk reduction, increasing firefighting capacity, or in other ways contribute to regional emergency resiliency?

yes no

Please explain. [500 characters max.]

We seek to coordinate with program participants and local fire districts to facilitate use of residential tank water as emergency water sources for fire fighting. This may include: developing specifications for tank fittings and their inclusion in the rebate, identifying access considerations, and providing GIS mapping data on large tank locations that could serve as water sources. BMPs for use of water tanks for fire resilience are attached.

18. Does the project employ new or innovative technologies or practices, including Decision Support Tools that support the integration of multiple jurisdictions, including, but not limited to, water supply, flood control, land use, and sanitation? yes no

If yes, please describe. [500 characters max.]

As part of Goal 3 to expand the program to include other practices, the project team will consider new technologies that have been developed to facilitate water conservation, such as innovative whole-house greywater recycling and treatment systems. While the program won't endorse specific brands or proprietary components, some of these new products merit particular consideration in determining how to quantify water savings and calculate rebates.

19. Describe the population served by this project, including any economically disadvantaged communities or Tribes that will directly benefit.

While the current program is county-wide and serves all program applicants, and will continue to do so, Phase II has been designed to focus more assistance specifically on disadvantaged households and tribal entities. Additionally, the QWEL trainings to be implemented through Phase I in Spring 2023, conducted in English and Spanish, are meant to develop marketable skills among both licensed landscaping crews and participants of programs that serve at-risk youth.

20. Describe local and/or political support for this project. [500 characters max.]

The program has received broad support, integrated into the larger regional Sonoma Marin Saving Water Partnership, coordinating with the Cities of Santa Rosa and Healdsburg



to support their rebate programs, and currently engaging with the City of Cloverdale, the Forestville Water District, and the Santa Rosa Plain GSA. Letters of support are attached.

21. List all collaborating partners and agencies and nature of collaboration. [750 characters max.]

Phase I of the program has successfully pooled efforts of multiple local entities currently involved in water management and sustainability, including Sonoma Water, Gold Ridge and Sonoma RCDs, water providers of the Sonoma-Marín Saving Water Partnership, and Daily Acts. The collaborative approach allows for synergy with other existing rebate programs, Daily Acts’ outreach and trainings, and the RCDs’ leading role in rural water conservation and streamflow enhancement. Phase II will expand this partnership to include organizations serving at-risk youth, school and community gardens, and local fire districts, while strengthening partnership opportunities with the Santa Rosa Plain GSA to promote incentive programs.

22. Is this project part or a phase of a larger project? yes no

Are there similar efforts being made by other groups? yes no

If yes to either, please describe. [500 characters max.]

This proposal represents Phase II of the program, following the ongoing pilot project launched through Prop 1 R1 funding. The program also seeks to enhance coordination with other organizations conducting rainwater catchment promotion, including Conservation Works (aka North Coast Resource Conservation & Development Council), which has recently hired an in-house licensed contractor to advance rainwater catchment construction on community sites.

B. Project Location

1. Describe the latitude and longitude of the project site.

Latitude: _____ Longitude: _____

The project area covers the entire North Coast region within Sonoma County

2. Site Address (if relevant):

3. Does the applicant have legal access rights, easements, or other access capabilities to the property to implement the project?

yes If yes, please describe below

no If no, please provide a concise narrative below with a schedule, to obtain necessary access

NA If NA, please describe below why physical access to a property is not needed

Explanation. [500 characters max.]



Access for project design and implementation will be granted by rebate program applicants, who will provide access permission and agree to program terms through the online application available on the Sonoma Marin Saving Water Partnership website. Community site implementation funded through the grant will involve more elaborate signed agreements.

4. Project Location Notes:

C. Benefits To Disadvantaged Communities and/or Tribes

1. **Does the project provide direct water-related benefits to a project area comprised of Disadvantaged Communities or Economically Distressed Communities?** If partially, please estimate percentage of project that benefits disadvantaged communities and list the communities.

Entirely

Partially; estimate the percentage of benefits provided directly to DAC: 20%

No

List the Disadvantaged Community(s)

While the program has thus far been available throughout the North Coast region of Sonoma County (and county-wide through other funding sources), Phase II will work specifically to increase participation from income-qualifying households (<80% of the median income). While we will focus outreach efforts specifically in DAC areas, particularly around Santa Rosa's Roseland area, the community of Valley Ford, and the river communities around Cloverdale and the lower Russian, there is in reality great disparity in income levels among homeowners in these DACs, particularly the lower Russian, where conversion of formerly affordable rental homes into vacation rentals has had such a significant impact on housing availability that a moratorium on vacation rental permits has been declared by the county Board of Supervisors. The program will therefore utilize household income qualifications, rather than DAC delineations, to target benefits for residential systems. Community sites that serve DAC populations will be prioritized for participation.

2. **Does the project provide direct water-related benefits to a project area comprised of Severely Disadvantaged Communities (SDAC)?** If partially, please estimate percentage of project that benefits disadvantaged communities and list the SDACs.

Entirely

Partially; estimate percentage of benefits provided directly to SDAC: 5%

No



List the Severely Disadvantaged Community(s)

Several areas within south Santa Rosa’s Latinx neighborhoods of Roseland are shown as Severely Disadvantaged. Project partners are already working with school and community gardens in the SDACs, several of which will present ideal, highly visible locations for rainwater catchment systems.

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

- Entirely
- Partially; estimate percentage of benefits provided directly to Tribe(s):
- No

List the Tribal Community(s)

4. If the project provides benefits to a DAC, EDA or Tribe, explain the water-related need of the DAC, EDA or Tribe and how the project will address the described need. [750 characters max.]

The program seeks to expand participation among low-income households and community sites in disadvantaged areas (see attached map). Water insecurity is variable among the project area’s DACs. The Valley Ford Water Association groundwater wells suffer from nitrate contamination, while communities around Cloverdale are facing strict water restrictions. Households in the DAC area around the lower Russian River have unreliable wells or springs and forced to truck water in the summer months, a significant financial burden. By developing strategies to make these systems more affordable for qualifying households, the program seeks to contribute to alternative water sourcing and localized self-reliance for these communities.

5. Describe the kind of notification, outreach and collaboration that has been completed with the county(ies) and/or Tribes within the proposed project impact area, including the source and receiving watersheds, if applicable. [500 characters max.]

Widespread outreach has been ongoing since its launch in May 2022, including webinars, workshops, newsletter articles, water bill inserts, and a program webpage on the Sonoma Marin Saving Water Partnership website. Through the involvement of Sonoma Water, the project team is working in close collaboration with the county, and has received cost share for the program through the county’s Climate Resilience fund to contribute further to the North Coast areas while expanding the program county-wide.

D. Project Benefits & Justification

1. For each of the Potential Benefits that the project claims, complete the following table to describe an estimate of the benefits expected to result from the proposed project.



Provide quantitative benefit amounts for at least the primary and secondary benefits.
Provide a qualitative narrative description of expected benefits that cannot be quantified.
See the NCRP Project Application Instructions for more information and a listing of potential benefits.

PROJECT BENEFITS TABLE

Benefit Description	Units	Quantitative Amount	Qualitative Description
Water Supply Enhancement			
Increased instream flow - water volume increased	gallons/yr	80,000	An estimated 80,000 gallons of water storage will be constructed on sites offsetting riparian diversions
Improved water supply reliability - households impacted	# households	75	An estimated 75 residential systems will be constructed totaling at least 300,000 gallons
Improved water supply reliability - water volume improved	gallons/yr	325,000	An estimated 75 residential systems and 5 community site systems will be constructed totaling at least 325,000 gallons
Avoided water supply purchases	\$/yr	\$700	An estimated 100,000 gallons of newly constructed storage will replace water system purchases at \$7/1000gal (average water system rates incl associated sewer rates)
Avoided water shortage costs (trucked water to rural residences)	\$/yr	\$6,667	An estimated 50,000 gallons of newly constructed storage will replace trucked water at \$400/3000gal per truckload
Decreased groundwater withdrawals	gallons/yr	100,000	An estimated 100,000 gallons of newly constructed storage will replace groundwater well withdrawals
Water Quality Enhancement			
Alternative water sourcing in areas with contaminated aquifers	gallons/yr	20,000	An estimated two systems totaling 20,000 will be rebated in the community of Valley Ford, which suffers from groundwater contamination



Benefit Description	Units	Quantitative Amount	Qualitative Description
Climate Change			
GHG reduction - reduced emissions from water trucking	tons CO2e/yr	50	Assumes at least 5 sites totaling 50,000 gal of storage constructed to offset water purchases of 16 trips of 40mi/trip
Jobs Created or Maintained			
Job/workforce training	# trainings	2	Hands-on trainings will be held for CCNB and Circuit Rider crews
Jobs created or retained (FTE)	#FTE	4	This includes hours billed directly to the grant for the applicant, project partners, and subcontracted designers, and an estimated 40 person-hours per system installation for contractors
Other Benefits			
Technical assistance: capacity enhancement among partnering organizations	# organizations	2	We plan to partner with CCNB and Circuit Rider to train crews to facilitate more affordable construction options
Education and outreach - number of events	# events	2	Two hands-on workshops for homeowners, targeting at least 30 participants
Education and outreach - number of participants	# participants	30	Two hands-on workshops for homeowners, targeting at least 30 participants
Enhanced firefighting capabilities - new water sources provided	gallons/yr	200,000	Assumes rural homeowners of least 20 sites totalling 200,000 gallons will be interested in having their tanks included in our dataset to be provided to fire districts

2. Does the proposed project provide physical benefits outside of the North Coast Region?

yes no

If yes, describe the impacts to areas outside the North Coast Region. [500 characters max.]

While the deliverables quantified here represent only the North Coast region of Sonoma County, cost share has been secured to expand the program to cover the entire county.



Additionally, the program structure, technical document development, and lessons learned are available for other areas. The QWEL module is also part of a larger program throughout the western U.S.

3. List the impaired water bodies (303d listing) that the project benefits:

While multiple impaired water bodies exist within the project area, the project benefits will be so dispersed they are not likely to have much direct impact on water quality. However, even with the program thus far focused on rainwater catchment, our designers have continued to work with homeowners on other water management practices as well that may have larger water quality benefits, like swale construction. Cost share from DFW to promote the program in the upper Atascadero (Redwood/Jonive Creek subwatersheds) will allow us to focus outreach efforts on riparian water users in an area where water quality monitoring has indicated that compromised septic systems may be contributing to water quality problems. Planning work for those properties through that cost share source may include consideration of septic evaluations for participating homeowners as well as rainwater catchment designs.

4. Describe how the project benefits salmonids, endangered/threatened species and sensitive habitats.

The project will serve to continue the RCDs' work in assisting landowners with alternative water sourcing and storage developed through the Russian River Coho Water Resources Partnership, funded over the past decade by NFWF, which focuses on enhancing summer streamflow in key reaches of five critical coho-bearing subwatersheds. Both RCDs have existing grant funding to promote the program in those critical reaches, while this funding can also assist those reliant on streamflow outside of the focus reaches, and more broadly, normalize alternatives to streamflow diversions.

5. Have alternative methods been considered to achieve the same types and amounts of physical benefits as the proposed project?

yes no

Please explain. [500 characters max.]

Both RCDs have received grant funding to directly construct residential rainwater catchment systems to offset stream diversions. However, that work is subject to prevailing wage, labor compliance costs, and high project management costs, which greatly increases per-gallon costs for these systems. The rebate program structure, by providing technical assistance and rebate incentives but having participants contract directly with installers, reduces costs significantly.

6. Is the proposed project the lowest cost alternative to achieve the physical benefits?

yes no

Please explain. [500 characters max.]



Providing a technical assistance and rebate program structure which supports landowners to contract directly with installers themselves significantly reduces the per-gallon cost while expanding program benefits to lower-income participants. Additionally, the new nonprofit partnerships, as well as expanded training opportunities to a wider breadth of landscaping professionals, are strategies designed to reduce installation costs for both program participants and grant-funded installations.

7. How will the project be monitored to determine whether it is producing the desired benefits?

The management team will contact participants who have constructed systems through the program to gauge system functionality, ease of maintenance, and contribution to household water supply resilience. Additionally, streamflow monitoring in critical coho reaches will be conducted through cost share sources.

8. Provide a narrative for project technical justification. Include any other information that supports the justification for this project, including how the project can achieve the claimed level of benefits listed below. [3,000 characters max.]

The profound impacts that rainwater catchment and household-level water management can have on both community water security and resource conservation can be difficult to quantify, with most public funding requiring immediate and measurable results in streamflow improvements or other objective measurements. However, a streamflow availability analysis recently conducted in west Sonoma County (O'Connor Environmental Inc, 2016*) highlighted the complication with this requirement: that many critical coho-bearing streams in this highly-parcelized region suffer from a “death by a thousand straws” effect, with numerous rural residential wells collectively having significant impacts through creation of cones of depression in the alluvium or by drawing down rearing pools,

A focus on urban areas, where residents currently have reliable city water, can have an equally significant yet equally difficult-to-measure impact. While the pilot phase of the project has thus far provided direct assistance to a relatively small percentage of residents within the project area, the greater justification for expanding this program is in its emphasis on promoting and normalizing water management and self-reliance at the household level. Small-scale systems that store a relatively small percentage of dry season household water use may appear to do little to immediately offset resource use, but their impacts on awareness of water use can be significant.

Additionally, expanding the program to include practices such as greywater and raingarden construction has the potential to significantly increase the program's resource benefits. While stored rainwater clearly works to improve summer water supply reliance, the system overflow captured in large storm events by a well-designed raingarden capture basin can contribute many times the quantity of water to recharging the underlying aquifer. Similarly, the water savings estimates for greywater re-use systems greatly exceed any quantities that can be reasonably captured by a residential-sized rainwater system. However, a rebate program for these practices may prove more complicated to develop, as their construction specifications are



less standardized and the quantification on which to base a rebate are less obvious than a per-gallon storage rebate. Thus the project team is requesting funds specifically for staff time and consultant fees to develop the program itself, in anticipation of implementing it in a subsequent phase. The team seeks to coordinate with other existing rebate programs for potential additional practices, such as those offered by the County of Marin and the City of Santa Rosa.

*reference available at:

https://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/docs/russian_river/oconnor_environmental2016.pdf

- 9. List and include any studies, plans, designs or engineering reports completed for the project as a “Technical & Reference Supporting Materials” into one document that includes a Table of Contents and is limited to approximately 50 pages. Please see the instructions for more information about submitting these documents with the final application.**

A sample rainwater catchment design, developed through Phase I, is included in the supporting materials, as well as a document providing guidance for water tank storage BMPs for wildfire resilience. Also included are rebate program descriptions for partner Cities of Santa Rosa and Healdsburg.

- 10. Project Justification & Technical Basis Notes: Please provide any additional information not included above that you think is important.**

The model of pairing educational youth programs with skilled contractors to provide a more affordable alternative for rainwater catchment installation has proven successful in the past, when Daily Acts coordinated with Sebastian Bertsch (currently our program technical consultant, now with Sherwood Engineers) to lead a Conservation Bay North Bay work crew in installing a system at the DAC community Guerneville School, designed to irrigate the school garden. (Photos of this 2018 effort are included as a supplemental document.) While the more technical aspects of system installation will still require licensed professionals, such as electrical hookups for the pump, Corps members could assist with tank pad leveling, tank placement, trenching, plumbing, rain garden construction, and first flush assembly.

E. Project Tasks, Budget, And Schedule

- 1. Projected Project Start Date: 7/1/23**
Anticipated Project End Date: 11/30/2027
- 2. Describe the basis for the costs used to derive the project budget in each budget category.**
[500 characters max.]

Project costs were derived from partners' experience through Phase I, although the structure of the program is shifting to allow for more benefits to disadvantaged households,



tribal entities, and community sites. While all applicants were provided design services through the program in Phase I, we anticipate that in this second phase most applicants will now be contracting for these services directly, with our design team providing free services only to income-qualifying households.

3. Provide a narrative on cost considerations including alternative project costs. [500 characters max.]

Including new partners such as Conservation Corps North Bay, Circuit Rider, and Conservation Works into our program will allow us to facilitate system installation more cost-effectively at qualifying sites, including low-income households, tribal properties, school and community gardens, and other community sites. The team will also be purchasing an estimated ten 5,000-gallon tanks directly for 10 households, in addition to the rebate.

4. List the sources of non-state matching funds, amounts and indicate their status.

Proposition 1 requires a minimum cost share of 50% of the total project costs, though a waiver may apply (see Question 6 below).

All cost share funds listed below are **secured**. These funds have been used in the promotion, design, and construction of rainwater catchment systems and related water conservation/management measures throughout the North Coast region of Sonoma County.

National Fish and Wildlife Foundation Conservation Partners Program (#72172)
Task 3: \$50,000 secured (Task 3)

NRCS Regional Conservation Partnership Program (#68-9104-17-093)
Task 3: \$40,000

National Fish and Wildlife Foundation Coho Partnership Year 8 (#55146)
Task 3: \$26,000; Task 4: \$51,000

National Fish and Wildlife Foundation Coho Partnership Year 9 (#61663)
Task 3 \$48,000; Task 4 \$112,000

National Fish and Wildlife Foundation Coho Partnership Year 10 (#65024)
Task 3 \$30,000; Task 4: \$86,000

County of Sonoma Climate Resilience Fund (through Sonoma Water #2122-099):
Task 3 \$40,000; Task 4 \$40,000

Through Daily Acts:

City of Santa Rosa Task 4: \$42,376.45

City of Windsor Task 4: \$27,075.00



Russian River Water Association Task 4: \$15,515.00

5. List the sources and amount of State matching funds.

While the Gold Ridge RCD has recently received funding from Department of Fish and Wildlife to expand the program along critical coho-bearing stream reaches, it is not included as match here as those sources will not be spent significantly prior to the project start date.

6. Cost Share Waiver Requested (DAC or EDA)? yes no

Describe what percentage of the proposed project area encompasses a DAC/EDA, how the community meets the definition of a DAC/EDA, and the water-related need of the DAC/EDA that the project addresses. In order to receive a cost share waiver, the applicant must demonstrate that the project will **directly** provide benefits that address a water-related need of a DAC/EDA.

7. Is the project budget scalable? yes no

8. Describe how a scaled budget would impact the overall project, its expected benefits and state the minimum budget amount that would be viable (see Instructions E.7 for scaled budget examples). [500 characters max.]

The number of systems rebated, and/or number of disadvantaged households receiving design assistance and direct tank purchases, and the number of community systems constructed could be reduced to meet the decreased budget, with expected benefits to water security and streamflow reduced accordingly.

9. Major Tasks, Schedule and Budget for Project Solicitation

Please complete MS Excel table available at

<https://northcoastresourcepartnership.org/ncrp-proposition-1-irwm-round-2-solicitation/> see instructions for the information to be included in this document and for how to submit the required excel document with the application materials.

10. Project Tasks, Budget and Schedule Notes:

While the Phase II grant would overlap the current pilot program grant, this timing would prove ideal to allow for continuity of the rebate offers, while allowing the project team to quickly move forward on initiatives to increase participation among low-income households. Due to the large number of applicants seeking technical assistance for large systems, and the lengthy time period to complete construction of those systems (which can take several months due to installer schedules), the project team has established a system in which rebate funding is



earmarked once a design has been completed and approved. This allows the homeowner to know the rebate funding is secure as they move into construction. From the time a design is approved, the homeowner has six months to complete installation and upload documentation in order to receive the rebate. If construction is not completed within the six-month window, they are no longer guaranteed a rebate, and the funds are freed up to be promised elsewhere. While the program only launched in May 2022, all the rebate funds for large systems had been earmarked by November, meaning new applicants are already not guaranteed a rebate, only six months into what was meant to be a multi-year program. While not all homeowners with designed systems will necessarily move forward with construction within the allotted timeframe, having additional funding for the program secured with approval of this proposal would allow us to continue to offer rebates more consistently.

11. Project Information Notes. [Please provide any information that that has not been specifically requested that you feel is important for the NCRP to know about your project.](#)

The rainwater rebate program has been widely used since its May 2022 webinar launch. Although Daily Acts has provided dozens of webinars over the years, many focused on small-scale 50-gallon "blue barrel" rainwater catchment systems, this one proved to be by far the most popular they'd ever hosted, with 170 live participants and an additional 217 views (and counting) ever since. The webinar introduced a SMSWP webpage that provides applications for design assistance, links to participating city rebate programs, FAQs, and information on financing options through the Sonoma County Energy Independence Program.

The Phase I grant proposal had anticipated the program would incentivize construction of 30-60 small systems and 10-20 larger ($\geq 2,500$ gal) systems, increasing water supply reliability by 100,000 gallons/year. (We've since redefined a large system as $\geq 5,000$ gallons.) The program currently offers a rebate towards materials at \$0.50/gal up to \$5,000, a significant sum but in actuality a small percentage of overall construction costs for a large system, particularly if contracted labor is required. The program has also provided \$20,000 to match the City of Santa Rosa's existing \$0.25/gallon rebate and offer a \$0.50/gallon rebate, to allow consistency with the county-wide program. We have also collaborated with the City of Healdsburg to provide \$30,000 in funding towards their own rebate program, also at \$0.50/gallon, launched in August 2022.

Despite the out-of-pocket costs to the participant, actual interest in large systems has greatly exceeded expectations. As of October 2022, 29 designs within the North Coast region for large-scale systems totalling over 300,000 gallons are in process or complete, with four systems installed and several others in construction. An additional 11 small-scale systems totalling nearly 11,000 gallons have been constructed and rebated through Daily Acts and our City partners.

The partnership has also launched a series of workshops and webinars targeting homeowners interested in designing and installing their own smaller-scale systems. A workshop to promote the new Healdsburg program is being planned for November 2022, specifically targeting low-income households who received 275-gallon reconditioned IBC totes



through the City to receive treated wastewater distribution. Another small-system webinar was hosted on November 1st in collaboration with the City of Santa Rosa.

Through Phase I, we have also completed the Qualified Water Efficient Landscapers (QWEL) training module on rainwater catchment, and are planning landscaper trainings in February 2023. We anticipate this will significantly accelerate system construction by summer 2023, as more local contractors will be available to program participants. We will also involve crew leaders of Conservation Corps North Bay and local nonprofit Circuit Rider in these trainings, in anticipation of their role in Phase II as described above.

Overall, our Phase I funding has been instrumental in launching a long-anticipated expansion of a practice that is quickly becoming a necessity for household water security in many areas. However, with large systems costing \$10k-\$15k above the rebated amount, participation in the program thus far has often been limited to those with the means to front the costs. While this is often the case with early-adopter technologies and practices, and provides an opportunity to fine-tune a program before it scales up, we feel the strategies presented here for Phase II will be critical for ensuring that household water security does not remain a luxury of the privileged few.

Major Tasks, Schedule and Budget for North Coast Resource Partnership IRWM Project Solicitation

Project Name: Rainwater Catchment Rebate and Streamflow Enhancement Project - Phase II
Organization Name: Gold Ridge Resource Conservation District

Task #	Major Tasks	Task Description	Major Deliverables	IRWM Task Budget	Non-State Match	Other Match	Total Task Budget	25% Scaled IRWM Budget	50% Scaled IRWM Budget	Current Stage of Completion (%)	Start Date	Completion Date
A	Category (a): Direct Project Administration											
1	Project Management	In cooperation with the County of Humboldt sign a sub-grantee agreement for work to be completed on this project. Develop invoices with support documentation. Provide audited financial statements and other deliverables as required	Invoices, audited financial statements and other deliverables as required	\$29,475.00	\$0.00		\$29,475.00	\$24,169.50	\$22,106.25	0%	07.01.2023	11.30.2027
2	Reporting	Develop quarterly reports describing work completed, challenges, and strategies for reaching remaining project objectives. Develop Final Report	Quarterly and Final Reports	\$7,800.00	\$0.00		\$7,800.00	\$6,396.00	\$5,850.00	0%	10.31.2023	11.30.2027
A	Task A Subtotal			\$37,275.00			\$37,275.00	\$30,565.50	\$27,956.25			
B	Category (b): Land Purchase/Easement											
C	Category (c): Planning/Design/Engineering/Environmental Documentation											
1	Project Performance Monitoring Plan	Develop Monitoring Plan to include goals and measurable objectives	Final Monitoring Plan	\$735.00	\$0.00		\$735.00	\$735.00	\$735.00	0%	07.01.2023	08.30.2023
2	Environmental Documentation: CEQA	complete Notice of Exemption	Environmental Information Form approved by DWR	\$147.00	\$0.00		\$147.00	\$147.00	\$147.00	0%	07.01.2023	09.30.2023
3	Project Outreach/Prioritization	Promote the rebate program through social media postings, e-blasts, website updates, tabling at community events, and through targeted outreach to water-scarce and disadvantaged communities	screenshots of social media postings and website pages; copies of flyers or other outreach materials; summaries of tabling events included in reports	\$30,008.50	\$24,000.00		\$54,008.50	\$22,506.38	\$10,502.98	0%	07.15.2023	08.31.2027
4	Rainwater catchment system planning/design	Continue to provide technical assistance to program applicants, and develop designs for at least an additional 10 income-qualified households and at least 5 community sites	map of design sites; description of design metrics including total number of systems designed and total gallons of water storage.	\$106,914.00	\$200,000.00		\$306,914.00	\$80,185.50	\$42,765.60	0%	08.01.2023	08.31.2027
5	Development of comprehensive rebate program	Research and develop a rebate program structure and materials for additional water management practices, including but not limited to greywater and raingarden construction	copy of draft program specifications and materials	\$48,737.00	\$10,000.00		\$58,737.00	\$48,737.00	\$36,552.75	0%	10.01.2023	09.30.2026
C	Task C subtotal			\$186,541.50	\$234,000.00		\$420,541.50	\$152,310.88	\$90,703.33			
D	Category (d): Construction/Implementation											
1	Construction Administration	subcontractor and participant communications, construction process oversight, tank ordering and delivery, construction verification and rebate administration, applicant and designer communications	Map of completed sites; Completed construction administration tasks documented in quarterly progress reports; DWR Certificate of Project Completion	\$31,880.00	\$20,000.00		\$51,880.00	\$23,910.00	\$12,752.00	0%	07.01.2023	11.30.2027
2	Rainwater catchment system construction assistance	Provide technical assistance, post-construction verification, and rebates for at least 20 residential systems totalling at least 150,000 gallons, and construct systems at 5 community sites	summaries and map of systems constructed, including gallons of storage and totals rebated	\$113,428.00	\$261,000.00		\$374,428.00	\$85,071.00	\$45,371.20	0%	07.01.2023	10.31.2027
		Direct tank purchases	receipts to be included in system construction documentation	\$52,000.00			\$52,000.00	\$39,000.00	\$26,000.00	0%	09.01.2023	10.31.2027
		Rebates	Rebate application documentation	\$138,125.00			\$138,125.00	\$89,781.25	\$69,062.50	0%	10.01.2023	11.30.2027
3	Small-scale residential rainwater systems workshops	Conduct 2 workshops for at least 30 people providing instruction on the design and installation of larger HDPE tank systems that landowners can install themselves	attendance data; workshop summaries and copies of materials provided to participants	\$36,500.00	\$84,966.45		\$121,466.45	\$27,375.00	\$27,375.00	0%	09.01.2023	10.31.2025
4	Project Performance Monitoring	The performance of the project will be monitored in accordance to the Monitoring Plan using the following measurement tools and methods: surveys of program participants; reporting on streamflow monitoring in selected reaches of program focus, funded through cost share sources; annual monitoring of system functionality at community construction sites	summary of participant survey results; summary of streamflow monitoring results; summary of system functionality and usage at community sites	\$3,900.00	\$0.00		\$3,900.00	\$3,120.00	\$2,535.00	0%	11.01.2023	10.31.2027
	Task D subtotal			\$375,833.00	\$365,966.45		\$741,799.45	\$268,257.25	\$183,095.70			
	Total North Coast Resource Partnership IRWM Grant Request			\$599,649.50	\$599,966.45	\$0.00	\$1,199,615.95	\$451,133.63	\$301,755.28			
	Percentage of Total Project Cost			50%	50%	\$0.00	100%	75%	50%			

Row (a) Direct Project Administration Costs				
Personnel (Discipline)	Major Task Name/Description	Number of Hours	Hourly Wage	Total Admin Cost
A.1 Project Management				
GRRCD Executive Director	contract and subcontract review and administration; partner and public relations oversight	5	\$ 163.00	\$815
GRRCD Deputy Director	Develop invoices with support documentation. Provide audited financial statements and other deliverables as required	40	\$ 147.00	\$5,880
GRRCD Project Manager		130	\$ 130.00	\$16,900
GRRCD District Administrator		30	\$ 126.00	\$3,780
GRRCD Finance Manager	invoice and bookkeeping oversight	15	\$ 140.00	\$2,100
A.2 Reporting				
GRRCD Project Manager	quarterly and final reports	60	\$ 130.00	\$7,800
Task A Total				\$37,275

Row (b) Land Purchase/Easement

Row (c) Planning/Design/Engineering & Environmental Documentation				
Personnel (Discipline)	Major Task Name/Description	Number of Hours	Hourly Wage	Total Cost
GRRCD Deputy Director	C.1 Project Performance Monitoring Plan	5	\$ 147.00	\$735
GRRCD Deputy Director	C.2 Environmental Documentation: CEQA	1	\$ 147.00	\$147
C.3 Project Outreach/Prioritization				
GRRCD Deputy Director	C.3 Project outreach/Prioritization	20	\$ 147.00	\$2,940
GRRCD Project Manager	All project partners will coordinate to promote the rebate program through social media postings, e-blasts, website updates, water bill inserts, tabling at community events, and through targeted outreach to water-scarce and disadvantaged communities	40	\$ 130.00	\$5,200
GRRCD Project Coordinator		20	\$ 99.00	\$1,980
printing costs				\$2,500
Subcontractors				
Sonoma RCD				\$6,439
Daily Acts				\$10,950
C.4 Rainwater Catchment Design/Planning				
GRRCD Deputy Director	C.4 Continue to provide technical assistance to program applicants, and develop designs for at least an additional 10 income-qualified households and at least 5 community sites	20	\$ 147.00	\$2,940
GRRCD Project Manager		120	\$ 130.00	\$15,600
Subcontractors				
Sonoma RCD				\$48,494
Daily Acts				\$2,880
Subcontracted designers*			\$37,000	
C.5 Development of Comprehensive Rebate Program				
GRRCD Deputy Director	C.5 Research and develop a rebate program structure and materials for additional water management practices, including but not limited to greywater and raingarden construction	30	\$ 147.00	\$4,410
GRRCD Project Manager		80	\$ 130.00	\$10,400
Subcontractors				
Sonoma RCD				\$10,189
Daily Acts				\$11,738
Subcontracted designers*			\$12,000	
Task C Total				\$186,542

* GRRCD currently contracts with multiple design firms to provide applicant designs as needed, including Permaculture Artisans, Sherwood Engineers, and Water Champions. As work allocated among them depends on consultant availability, actual amounts allocated between them is TBD, so we have lumped these amounts here.

Row (d) Construction/Implementation				
Personnel (Discipline)	Work Task and Sub-Task (from Work Task Table)	Number of	Hourly Wage	Total Cost
D.1 Construction Administration				
GRRCD Deputy Director	D.1 subcontractor and participant communications, construction process oversight, tank ordering and delivery, construction verification and rebate administration, applicant and designer communications	40	\$ 147.00	\$5,880
GRRCD Project Manager		200	\$ 130.00	\$26,000
D.2 Rainwater catchment system construction				
rebate check fee	covers the \$25 charge per check issued charged by the county bank account used by GRRCD	25	\$25	\$625
large-system rebates	includes rebates for an estimated 250,000 gallons in water storage (estimating 25 systems of 10,000 gal)			\$125,000
direct tank purchases for low-income households	10 tanks will be purchased directly by the program to subsidize system construction at income-qualifying households	10	\$5,200	\$52,000
Subcontractors				
Daily Acts - other small system rebates + admin	technical assistance for small-system applicants and rebate administration			\$14,500
Daily Acts - small system rebates	rebates for systems under 5,000 gallons outside of the city rebate programs are administered by Daily Acts			\$12,500
Conservation Corps North Bay/Circuit Rider/Conservation Works	construction at 5 community sites; crew supervisor participation in QWEL trainings			\$40,000
Sonoma RCD	construction oversight at 5 community sites			\$13,928
materials for community sites (incl tanks)	includes water tanks, conveyance materials, gravel pad materials, first flush diverters, etc.			\$45,000
D.3 Workshops				
GRRCD Project Manager	2 workshops for approximately 30 participants for homeowners interested in designing and installing their own larger scale systems	50	\$130	\$6,500
Subcontractors				
Daily Acts				\$15,000
Subcontracted designers*				\$15,000
D.4 Project Performance Monitoring				
GRRCD Project Manager	includes surveys of program participants; reporting on streamflow monitoring in selected reaches of program focus funded through cost share sources; annual monitoring of system functionality at community construction sites	30	\$130	\$3,900
Task D Total				\$375,833
Grand total				\$599,650



ORGANIZATION INFORMATION

1. **Project Name:**
Rainwater Catchment Rebate and Streamflow Enhancement Project - Phase II

2. **Applicant Organization Name:**
Gold Ridge Resource Conservation District

3. **Contact Name/Title**
Name: Noelle Johnson
Title: Deputy Director
Email: Noelle@goldridgercd.org
Phone Number (include area code): 707-834-8880

4. **Organization Address (City, County, State, Zip Code):**
2776 Sullivan Rd, Sebastopol, Sonoma County, CA , 95472

5. **Organization Type**
 - Public agency
 - 501(c)(3) Non-profit organization
 - Public utility
 - Federally recognized Indian Tribe
 - California State Indian Tribe listed on the Native American Heritage Commission's California Tribal Consultation List
 - Mutual water company
 - Other:

6. **Authorized Representative** (if different from the contact's name)
Name: Brittany Jensen
Title: Executive Director
Email: Brittany@goldridgercd.org
Phone Number (include area code): 707-823-5244

7. **List all projects the organization is submitting to the NCRP for this Solicitation in order of priority.**
Rainwater Catchment Rebate and Streamflow Enhancement Project - Phase II

8. **Organization Information Notes:**
Established in 1941, the Gold Ridge Resource Conservation District (GRRCD) has been a leader in western Sonoma County natural resource stewardship for over 80 years. GRRCD has received six grants through the NCIWMP program since 2010, while partnering with the



Sonoma RCD on a seventh, for a combined total of over \$2.2 million. The NCIRWMP program has been critical for past GRRCD projects promoting water sustainability in the district, providing funds for the design and construction of both small- and large-scale rainwater catchment and water storage projects. Most notable among these are a 1.3-million gallon system on a dairy offsetting 7,000 gallons/day of summer riparian diversions from Salmon Creek, and a water conservation and storage project at a summer camp on Dutch Bill Creek that offset stream diversions of 4 acre-feet each year. The latter had such a profound effect on summer streamflow, its construction year is apparent on Dutch Bill's hydrograph. The pilot phase of the proposed project was launched through NCIRWMP Prop 1 R1 funding, with GRRCD serving as project lead.

ELIGIBILITY

1. North Coast Resource Partnership Goals and Objectives

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

2. Does the project have a minimum 15-year useful life?

- a) yes no
- b) If yes, will the organization be able to provide compliance documentation outlined in the instructions should the project be selected as a Priority Project?
 yes no

3. Other Eligibility Requirements and Documentation

CALIFORNIA GROUNDWATER MANAGEMENT SUSTAINABILITY COMPLIANCE

- a) Does the project directly affect groundwater levels or quality?
 yes no
- b) If yes, will the organization be able to provide compliance documentation outlined in the instructions including a Groundwater Sustainability Agency letter of support, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
 yes no

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 and CASGEM priority: Santa Rosa Plain (medium)
- c) If yes, please specify the name of the organization that is the designated monitoring entity: Sonoma Water
- d) If yes, please specify whether the local Groundwater Sustainability Agency has endorsed the project: Yes



URBAN WATER MANAGEMENT PLAN

- a) Is the organization required to file an Urban Water Management Plan (UWMP)?
 yes no
- b) If yes, has DWR verified the current 2020 UWMP?
 yes no
- c) If the 2020 UWMP has not been verified by DWR, explain and provide anticipated date for verification:
- d) Has DWR verified a water loss audit report in accordance with SB 555 as submitted by the urban water supplier?
 yes no
- e) Does the urban water supplier meet the water meter requirements of CWC 525?
 yes no
- f) Does the urban water supplier meet the State Water Resources Control Board's Water Conservation and Production Reporting requirement?
 yes no
- g) If yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
 yes no

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, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
 yes no

SURFACE WATER DIVERSION REPORTS

- a) Is the organization required to file State Water Resources Control Board (SWRCB) annual surface water diversion reports per the requirements in CWC Part 5.1?
 yes no
- b) If yes, will the organization be able to provide compliance documentation outlined in the instructions, to include in the NCRP Regional Project Application should the project be selected as a Priority Project?
 yes no

STORM WATER MANAGEMENT PLAN



- a) Is the project a stormwater and/or dry weather runoff capture project?
 yes no
- b) If yes, does the project benefit a Disadvantaged Community with a population of 20,000 or less?
 yes no
- c) If this is a stormwater/dry weather runoff project but does not benefit a small DAC population, please provide documentation that the project has been included in a Stormwater Resource Plan that has been incorporated into the NCRP IRWM Plan:
- d) If no, will the organization be able to provide documentation that the project is included in a Stormwater Resource Plan that has been incorporated into the NCRP IRWM Plan, should the project be selected as a Priority Project?
 yes no



4. Eligible Project Type under 2022 IRWM Grant Solicitation

- Water reuse and recycling for non-potable reuse and direct and indirect potable reuse
- Water-use efficiency and water conservation
- Local and regional surface and underground water storage, including groundwater aquifer cleanup or recharge projects
- Regional water conveyance facilities that improve integration of separate water systems
- Watershed protection, restoration, and management projects, including projects that reduce the risk of wildfire or improve water supply reliability
- Stormwater resource management projects to reduce, manage, treat, or capture rainwater or stormwater
- Stormwater resource management projects that provide multiple benefits such as water quality, water supply, flood control, or open space
- Decision support tools that evaluate the benefits and costs of multi-benefit stormwater projects
- Stormwater resource management projects to implement a stormwater resource plan
- Conjunctive use of surface and groundwater storage facilities
- Decision support tools to model regional water management strategies to account for climate change and other changes in regional demand and supply projections
- Improvement of water quality, including drinking water treatment and distribution, groundwater and aquifer remediation, matching water quality to water use, wastewater treatment, water pollution prevention, and management of urban and agricultural runoff
- Regional projects or programs as defined by the IRWM Planning Act (Water Code §10537)
- Other:

5. Describe how the project provides a benefit that meets at least one of the Statewide Priorities as defined in DWR’s [Final 2022 Guidelines](#) (see page 7) and Tribal priorities as defined by the NCRP?

- #3: Drought Preparedness: the project seeks to promote rainwater catchment as a strategy to enhance water supply and reliability during water shortages
- #4: Climate Resilience: with climate change projected to bring more extreme, less predictable weather patterns, this project works to promote seasonal water use awareness and self sufficiency
- #5: Partnerships: the project builds on its pilot phase to further advance partnerships with water providers, GSAs, and Sonoma Water



CERTIFICATION OF AUTHORITY

By signing below, the Authorized Representative executing the certificate on behalf of the Project Sponsor affirmatively represents that s/he has the requisite legal authority to do so on behalf of the Project Sponsor. The Authorized Representative executing this proposal on behalf of the project sponsor understands that the NCRP is relying on this representation in receiving and considering this proposal. The person signing below hereby acknowledges that s/he has read the entire NCRP 2022 Project Review and Selection Process Guidelines and the NCRP 2022 Proposition 1 IRWM Round 2 Project Application & Instructions documents and has complied with all requirements listed therein.

Official Authorized to Sign for Proposal

Brittany Jensen

Signature

November 3, 2022

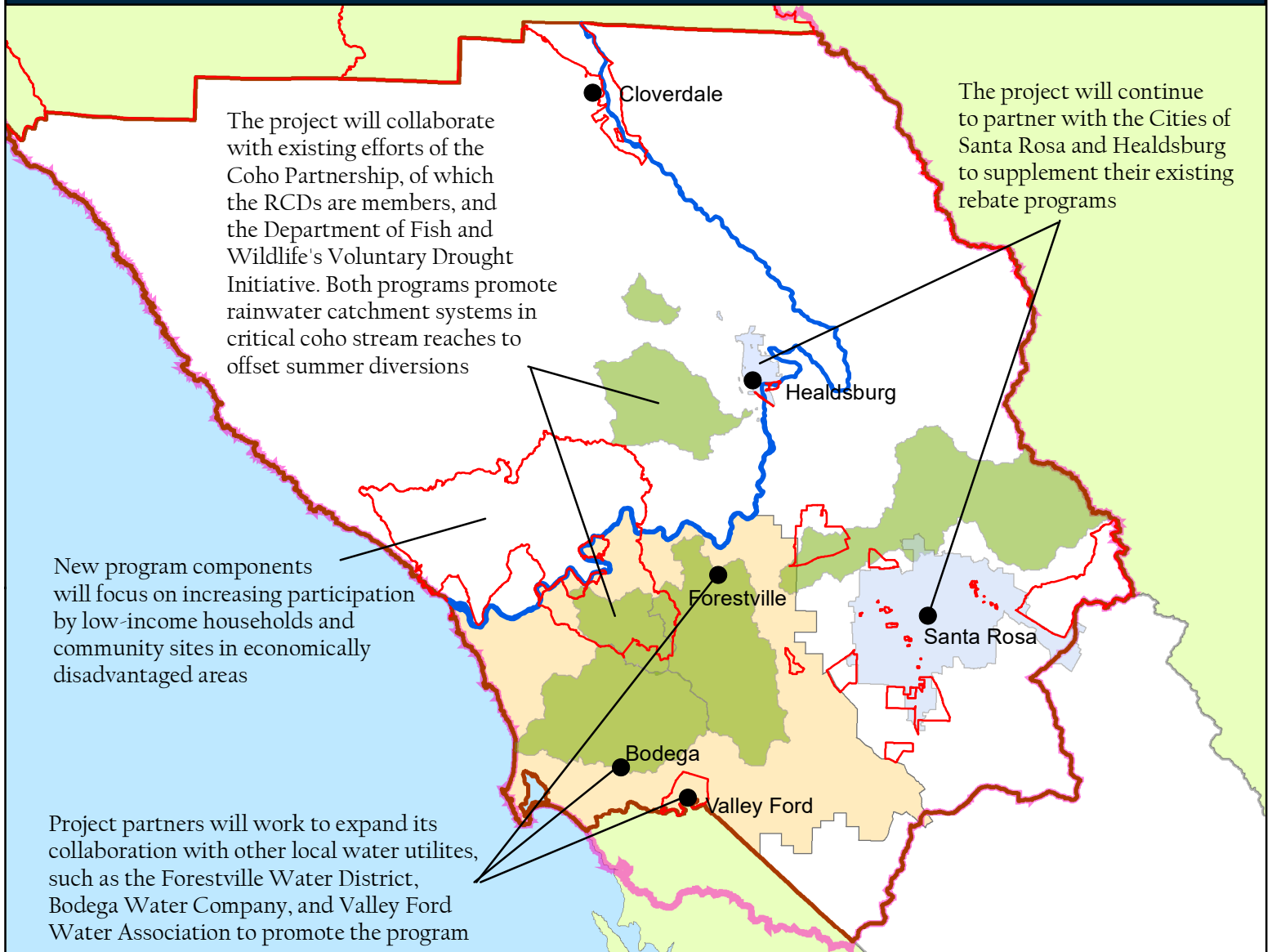
Date

Technical & Reference Supporting Documents

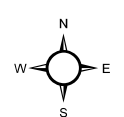
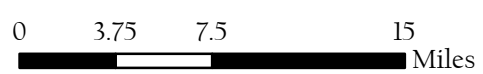
1. Project Map
2. Ongoing Phase I project photos
3. Photos of a school system installed by project partners in collaboration with CCNB
4. Sample rural residential rainwater catchment design memo, developed through Phase I by consultant Sherwood Engineers
5. Existing guidance for Water Storage Tank BMPs for Wildfire Resilience
6. City of Santa Rosa rainwater rebate program description
7. City of Healdsburg rainwater rebate program description
8. Letters of support

North Coast Integrated Regional Watershed Management Program Proposition 1 Round 2 Implementation

Rainwater Catchment Rebate and Streamflow Enhancement Project - Phase II Gold Ridge Resource Conservation District



- North Coast IRWM Boundary
- Project Focus Area
- Participating City rebate program areas
- Russian River
- Sonoma RCD
- Gold Ridge RCD
- Focus watersheds for coho restoration
- economically disadvantaged communities



Gold Ridge Resource Conservation District
2022 Proposition 1 IRWM Project Application
Rainwater Catchment Rebate and Streamflow Enhancement Project – Phase II



Two 10,000-gallon residential systems designed and rebated in 2022 through Phase I, which was launched in May 2022.

Gold Ridge Resource Conservation District
2022 Proposition 1 IRWM Project Application
Rainwater Catchment Rebate and Streamflow Enhancement Project – Phase II



Conservation Corps North Bay crewmembers assist in the 2018 installation of a rainwater catchment system at Guerneville School, within a DAC in the project area, coordinated by Daily Acts and our program technical consultant Sebastian Bertsch (now with Sherwood Engineers).

Residential Rainwater Harvesting Design Plan



SHERWOOD
DESIGN ENGINEERS



CONTOURS 1' INTERVAL

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NARRATIVE AND CALCULATIONS

PROJECT INFORMATION:

System Function

The proposed system is intended to harvest, prefilter, store and reuse rainwater for landscape drip irrigation. The intended use of the rainwater is for existing low-water landscaping at the main house. The total water demand is unknown. Rainwater will be collected from the garage roof at all 4 downspouts, indicated with a "DS". This collects roughly 890 square feet of roof, sufficient to fill 10,000 gallons of storage tanks in a 19" drought year. In a normal 27" rainfall years 15,000 gallons can be captured. A leaf deflector will be installed underneath each of the 4 downspout and connected into sealed 3" pipe. There will be two conveyances, which have the same components and each drain 2 downspouts. The dry-line conveyance will run along the wall, above any windows and doors at a minimum 1% slope and enter a first flush column either attached to the building or a post. When the first flush is full the rainfall will enter the tank at the factory provided inlet fitting to the tank. The top of the dry line pipe entering the tank must be at a minimum 6" below the bottom of the leaf screen. The proposed system includes two 4,995-gallon plastic water tanks, with a width of 10 feet. The tanks will be located on 6" of compacted 3/4" angular gravel or 3/4" Class 2 Aggregate Base "Road Base". The pad will be built atop a level subgrade of compacted native soil, with no cut over 1'. Where the gravel pad is higher than the surrounding soil, it will be retained by 2x6" pressure treated or other ground contact approved material, or the flat pad extended to 3' beyond the tanks to allow the gravel to slope to grade. The tanks are plumbed together using the factory provided bottom fittings with a flexible coupling and shut-off valves. The tanks which receive the water from the roof will each have a 3" pipe installed 2" lower than the inlet, which combine to become a 4" dryline conveyance to an overflow swale that does not infiltrate water upslope of the existing septic field. Stored water will be pressurized with an irrigation pump located beside the tanks. No connection to any other water system is planned. If the rainwater system empties during the first summer, the tanks can be partially refilled from the well using a garden hose to continue irrigating, and in the following year some irrigation valves disconnected from the rainwater system.

A second system is also considered but is not part of the current plan. It uses a wetline conveyance and could either provide a hand watering source to the rental landscapes, have a dedicated pump installed, or act as a refill source for the garage tanks. The secondary system is upslope of the primary system, so water could be slowly transferred by gravity in a long garden house once the primary system, has been drained.

Permits

The proposed system is subject to a building permit due to the proposed irrigation pump. The remaining systems of collection, conveyance, storage and overflow of rainwater are not subject to a building code per California Plumbing Code Chapter 16.

CALCULATIONS:

COLLECTION VIABILITY: ROOF AREA*LOCAL DROUGHT RAINFALL*0.623 * Catchment Eff= GALLONS AVAILABLE

COLLECTION VIABILITY: 890 SQFT * 19 INCHES * 0.623 * 0.92= **9,685 GALLONS**

FIRST FLUSH SIZE: ROOF AREA x FF FACTOR = GALLONS OF FIRST FLUSH CAPACITY

FIRST FLUSH SIZE: 445 x.01 GAL = **4.45 GALLONS (6.9' OF 4" PIPE, USING FF KIT ADAPTERS. SYSTEM REQUIRES 2 FIRST FLUSHES)**

VOLUME OF OVERFLOW IN 0.5" RAINFALL IN GALLONS: 0.5" * ROOF AREA * 0.623 = GALLONS OF OVERFLOW

VOLUME OF OVERFLOW IN 0.5" RAINFALL IN GALLONS: 0.5" * 890 SQFT* 0.623 = **278 GALLONS**

SIZE OF SWALE TO HOLD THE OVERFLOW VOLUME : GALLONS OF OVERFLOW / 3.7-GAL PER LINEAR FT OF SWALE

SIZE OF SWALE NEEDED TO HOLD THE OVERFLOW VOLUME: **75 FT.**

SIZE OF RAINGARDEN TO HOLD THE OVERFLOW VOLUME: GALLONS OF OVERFLOW / 3-GAL PER SQUARE FOOT OF RAIN GARDEN

SIZE OF RAINGARDEN NEEDED TO HOLD THE OVERFLOW VOLUME: **92 SQFT.**

*ASSUMES FIRST 24 HRS OF INFILTRATION IS FROM SELF CATCHMENT, ALL COLLECTION INFILTRATED BEFORE 72 HRS

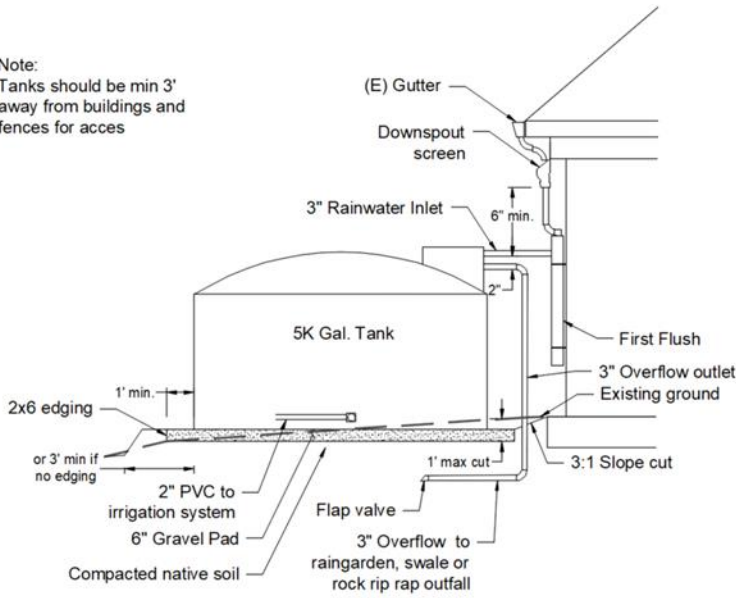
POTENTIAL FOR RAINWATER USE: **10,000 GALLONS** OF STORAGE CAN IRRIGATE **ONE** OF THE FOLLOWING.

20 FRUIT TREES OR 415 SQFT. OF VEGETABLE GARDEN OR 1,200 SQFT. OF LOW WATER LANDSCAPE

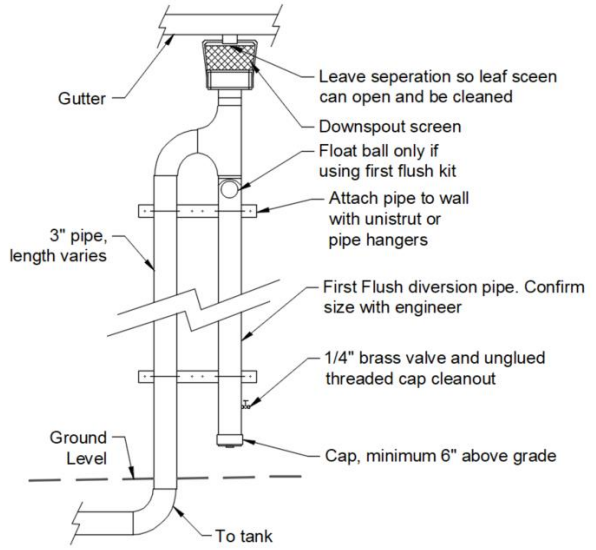
NOTES: ESTIMATED USING DRIP IRRIGATION FOR WATER DEMAND IN SANTA ROSA, CALIFORNIA.

PROPOSED DETAILS

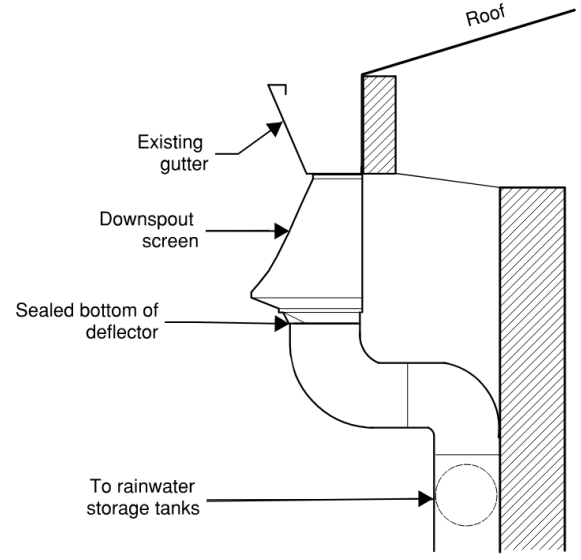
Note:
Tanks should be min 3'
away from buildings and
fences for acces



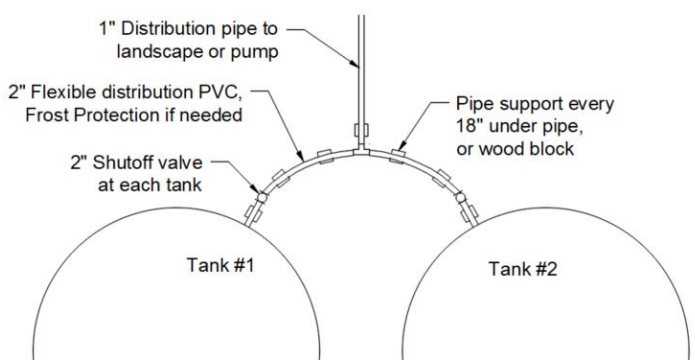
A DRYLINE CONVEYANCE



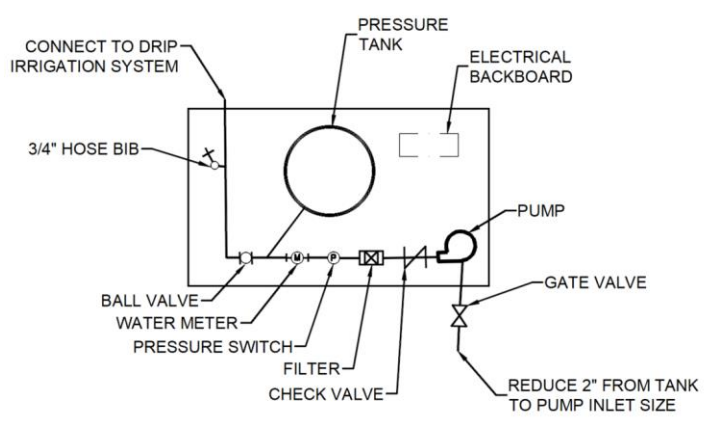
B WETLINE CONVEYANCE PRETREATMENT



C LEAF DEFLECTOR SCREEN UNDER GUTTER OR WALL

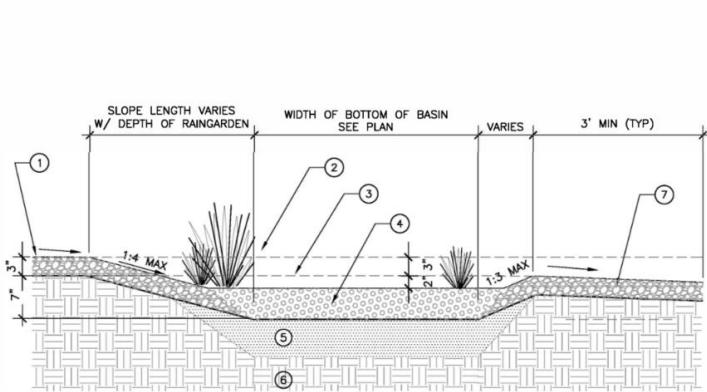


D MULTIPLE TANK CONNECTION



E PUMP SYSTEM

PROPOSED DETAILS

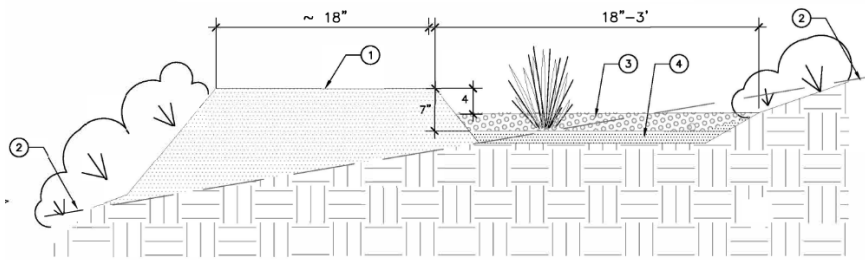


- ① SWALE OR SHEET FLOW INTO RAIN GARDEN FROM DS OR PAVING AREA. COVER SOIL W/ 3" OF RIVER COBBLE 1.5"-6" IN SIZE.
- ② TOP ELEVATION OF THE BERM AROUND RAIN GARDEN. 3" ABOVE MAX PONDING LEVEL.
- ③ ELEVATION OF MAX PONDING DURING STORM EVENT. PONDING OF 2" OF RAINWATER ABOVE PEA GRAVEL.
- ④ 5" PEA GRAVEL MULCH INSURES NO PONDING WITHIN 72 HRS FOR MOSQUITO CONTROL. TOTAL DEPTH INCLUDING PONDING IS 7".
- ⑤ SCARIFY & AMEND NATIVE SOIL AT BOTTOM OF RAIN GARDEN.
- ⑥ UNDISTURBED SUBGRADE.
- ⑦ 3" THICK OF 1.5-6" RIVER COBBLE. EXTEND 3' DOWNSLOPE FROM RAINGARDEN. INSTALL LEVEL SPREADER TO RETURN TO SHEET FLOW AS NEEDED BY DESIGN.

NOTES:
 1. RAINWATER GARDEN DESIGNED FOR CLAY SOILS. MAX DEPTH 7" OF WHICH 5" HAS A PEA GRAVEL MULCH.
 2. NO WOOD CHIP OR BARK MULCH IN RAINWATER SYSTEMS TO AVOID CLOGGING STORM DRAINS DOWNSTREAM.

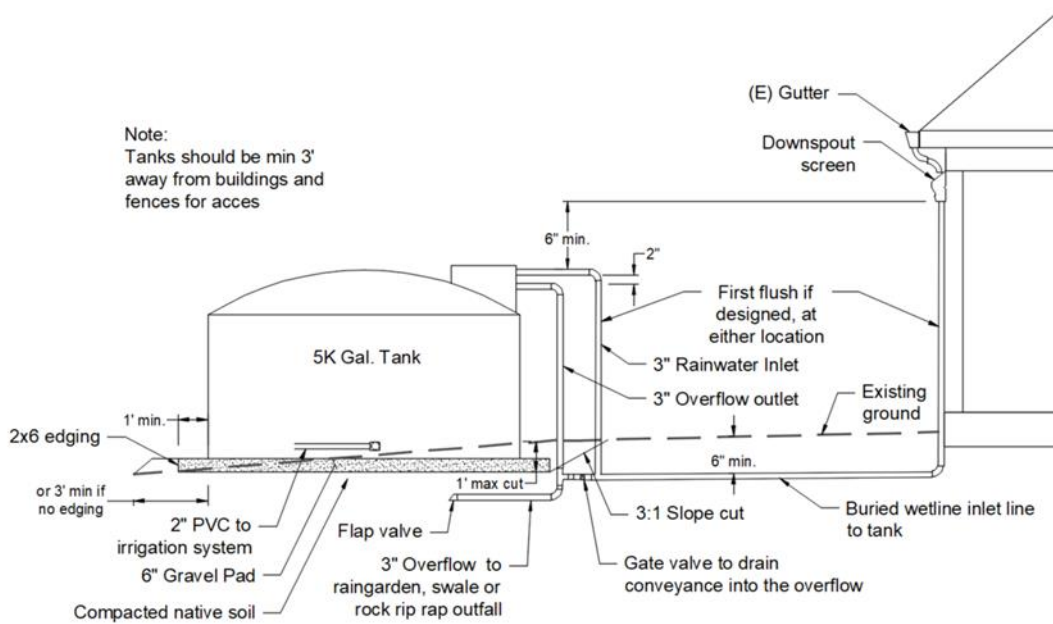
A VEGETATED RAINGARDEN SECTION

- ① BERM: CONSTRUCT WHILE DIGGING BASIN. CAN BE MADE WIDER TO BE A WALKING PATH
- ② EXISTING SLOPE 8% OR LESS
- ③ 3" PEA GRAVEL MULCH INSURES NO PONDING WITHIN 72 HRS FOR MOSQUITO CONTROL. TOTAL DEPTH INCLUDING PONDING IS 7". WOODCHIP MULCH OR NATURAL VEGETATION OK WHEN NOT CONNECTED TO STORM DRAINS
- ④ SCARIFY & AMEND NATIVE SOIL AT BOTTOM OF RAIN GARDEN
- ⑤ UNDISTURBED SUBGRADE



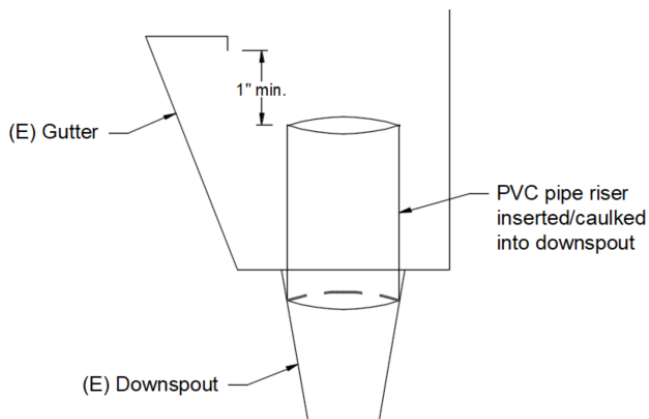
B SWALE/CASCADE ON SLOPE - SECTION

ALTERNATE/ADDITIONAL DETAILS



A

WETLINE CONVEYANCE



B

PIPE RISER IN GUTTER

OTHER REFERENCES

How To Harvest Rainwater From Your Roof

<https://www.youtube.com/watch?v=DhEaKdmHeCk>

Webpage and PDF detailing conveyance and First Flush systems

<https://oaec.org/publications/roof-water-harvesting-for-a-low-impact-water-supply/>

Webpage and PDFs detailing infiltration swales and raingardens

<https://oaec.org/publications/integrated-stormwater-retention-system/>

Webpage and PDFs describing infiltration swales, raingardens and other water management systems

<https://oaec.org/publications/slow-it-spread-it-sink-it/>

Maintaining your Rainwater System

https://www.youtube.com/watch?v=boyUKU_TocU&t=10s

MATERIALS NOTES

Conveyance Pipes

- Unless otherwise noted, use 3" Sched 40 PVC for conveyance pipes from the roof to the tank. Pipes will last longer if painted. Schedule 80 has better longevity at a higher price. Thinner wall pipe can be used underground if 12" of soil cover and it can be sealed water tight.
- Most large tanks come with a 1.5" tank inlet fitting close to the access hatch. Reduce the 3" pipe to this fitting to avoid buying another 3" tank inlet fitting
- All pipes must be glued and sealed from bottom of leaf deflector to the tank inlet
- All wet lines must have a drain valve installed at their lowest point
- Wet line drains can convey to their own rain garden or swale, or be connected to the overflow pipe which has an overflow
- If your area experiences significant freezes, consider draining wet line before frosts

Debris Exclusion

- Leaf Deflectors must have mesh no larger than 1/16" (12 Mesh) to prevent mosquitos, example product "Rain Harvesting Pty Leaf Eater Advanced"
- Gutter screens can reduce debris, but make cleaning gutters more difficult
- First flush columns can be custom made or a kit and contain the designed volume of water. Different size pipes can be used to meet designed volume
- First flushes need a valve or threaded plug at bottom to clean out debris/sludge after the year's first and last rain
- Many first flush manual and automatic drains exist. Simple system is installing a 1/4" brass ball valve ~6" from the bottom. Leave valve slightly open during rainy season with a slow drip so column drains after ~1-2 weeks, to dispose the first dirty rain after a dry spell
- Example First Flush kit: <https://www.rainharvest.com/rain-harvesting-pty-first-flush-diverter-for-post-or-wall-mounting.asp>

Tank Overflow

- For overflow, install new 3" fittings (either screw type bulkhead or "multi-tite" rubber gasket). To cut holes in tanks, use hole saw running in reverse.
- Overflow from tank must be managed to avoid increasing runoff to neighboring parcels, and should prevent soil erosion or flooding of buildings
- A common solution is to reintroduce the overflow back into the drain system which originally drained the roof
- Where possible and responsible, infiltrate tank overflow into simple earthworks like swales or rain gardens
- Tank overflow must prevent mosquitos or vermin entering tank, such as a flapper valve or screen

Tank Pad

- Pad must be 3/4" angular gravel, or 3/4" Class 2 Aggregate Base "Road Base". Round decorative gravel can be placed on pad after tanks installed
- Retaining with 2x6" pressure treated wood or other durable material is needed when pad material is not confined by a cut soil slope
- Pad is level to 1' beyond tanks if retained by 2x6" pressure treat/redwood edging, or 3' beyond tanks if gravel allowed to ramp down to existing grade
- Excavate native soil to stable soil, graded flat and compacted when damp, removing topsoil, roots and organic matter
- Compact with vibratory plate or hand tamper, when damp
- Unless supervised by an engineer or landscape professional, pads should be on cut, not filled/built-up soil
- Unless supervised, cuts to be 1-foot maximum depth, with new slopes cut back to 3:1 (3' long for every 1' high) slope for stability, or otherwise retained

Tank Connections:

- If installing additional penetrations at bottom of tank, use bolted "banjo" type 2" bulkheads to prevent leaks.
- When connecting multiple tanks, use 2" flexible pvc "spa hose", glued into other pvc fittings, to prevent cracking when tanks shift, or flexible metal hose

Tank Level Indicator

- If water level indicator is used, must provide no entry of mosquitos, and no allow algae growth. For example, Liquidator 2

Pump Systems

- Pump on 3x4' concrete pad, protected from weather and freeze
- Intended use is residential landscape drip irrigation, assumed pumps are smaller than 3/4 Horsepower. It is highly recommended that a contractor install all pump systems
- Pumps operating drip must provide minimum of 25 psi of pressure, higher if drip area is >100' away from pump or more than 5' upslope. Flow rate in Gallons per Minute (GPM) is dependent on size of drip irrigation field, typically 3-10 GPM
- Pressure tank should have a drawdown volume (this is different than its total volume, see manufacturers information) roughly equal to the flow rate of the pump
- Pump system must be equipped with a check valve, pressure switch, run-dry protection and 1" 140 mesh disc or mesh filter to protect drip irrigation. A water meter, even an inexpensive plastic model, is recommended to monitor use, and detect leaks
- Cross connection with existing property water systems is dangerous to human health unless properly designed and permitted. If the rain tanks run dry, a garden hose can be temporarily used to partially refill the tanks to maintain pump function. If stored water proves insufficient, it is advisable that some of the irrigated area be disconnected from rainwater. Alternate refill from other water supply only recommended with permitted air gap into tank, refilling tank partially to retain most of tank volume for rain capture, or reduced pressure backflow device protecting a potable water irrigation backup
- If pump does not have built-in run-dry protection, install a float switch in tank which interrupts pump power when water level nears outlet
- Pump recommendations: A: Goulds J5S with 45-gallon pressure tank, requires pressure switch and run-dry float switch in tank
B: Grundfos Scala2 with 45-gallon pressure tank, built-in pressure switch and run-dry protection

Setbacks:

- Tanks recommended 3' from buildings or fences for access. No unpermitted modifications to buildings
- Overflow swales and raingardens: recommended 50' from waterways, buildings, wells or septic systems. 10' from buildings if downslope. Closer per engineer



Rainwater Harvesting Rebate Program

Rebate Amounts: \$0.25 per gallon of approved rainwater storage *, **

** Maximum gallons eligible for rebate are calculated by based on square footage of irrigated landscape, the plant types, and the peak month (July) water requirement for planted areas.*

***Rebates cover materials only (labor not included) and cannot exceed the cost of materials.*

Applicant must:

- Have a City of Santa Rosa water account (service) in their name for the property where the project will be completed.
 - If the property owner is the participant in the program and not the water account holder, they must receive written consent from the water account holder using a City of Santa Rosa Tenant/Account Holder Permission Form.
- Agree that the rainwater storage system will be retained while you are the current account holder or property owner. If hardware is replaced with anything less efficient or removed during that time, the entire rebate amount must be refunded.
- Have a landscape that requires irrigation.

Steps to Participate:

- 1) Call Water-Use Efficiency staff at 707-543-3985 for pre-qualification, eligibility verification and a potential site visit. All rebates require a pre-qualification before any work is started.
 - a) Social distancing of 6 ft or more will be enforced at all times
 - b) A facial covering is required for everyone the Water Use Efficiency staff will be interacting with. Without compliance, the pre-qualification Check-up appointment will be cancelled. Water Use Efficiency staff will be wearing a facial covering for the duration of the appointment.
 - c) Yard space must be accessible without going inside a building. Technician will not enter a building to access yard space.
- 2) After eligibility of site is verified, you will receive your Rainwater Harvesting Eligibility Form (required to qualify for rebate).
 - a) Existing rainwater harvesting systems without prior approval are not eligible.
- 3) **Project Guidelines:**
 - a) 100 gallons is the minimum storage required to qualify for rebate. The maximum gallons of storage eligible for rebate is based on the square footage of irrigated landscape, the plant types, and their estimated peak month (July) water requirement. If the project does not exceed the maximum gallon amount, future additions may be rebated with approval.
 - b) Retain receipt(s) or invoice(s) itemizing the materials used in the project area. **
 - c) Building Division involvement for possible permits, depending on project configuration:
 - i) If installing 5,000 gallons of storage or more in one area, you may need to get a permit for a concrete pad for support.
 - ii) If a permanent pump, pressurization, electrical power or a controller is installed (on any number of stored gallons) a permit and backflow device may be required for your potable water line(s).
 - iii) Per Santa Rosa City Code, setbacks and height specifications may be required, contact the Building Division for specific details.
- 4) Once project is finished based on above guidelines, and within the 120-day period, call 707-543-3985 to setup a post-inspection.
- 5) City staff will verify completion and that the project follows the guidelines above.
 - a) If approved, customer will sign Certificate of Participation and Approval agreeing to terms of rebate.
- 6) Rebates are processed within 4 to 8 weeks after completed project is approved.



City of Healdsburg

RAIN BARREL & CISTERN REBATE

OVERVIEW

Healdsburg Utility Department is offering a rebate for rainwater harvesting barrels and cisterns. This offer is available to residents, businesses and institutions with an active water account. Participants must install and maintain the rainwater harvesting system according to manufacturer's specifications and applicable codes and regulations. Rebates are offered on a first-come, first-served basis, subject to the availability of funding.

REBATE AMOUNT

Up to \$0.50 per gallon of storage, not to exceed actual cost. Total rebates for rain barrels and cisterns may not exceed \$500 per site.

TO APPLY

1. Research product requirements for installation, use and maintenance.
2. Purchase and install a qualifying rain barrel or cistern.
3. Submit your application with receipts.
4. Rebates require a post-install site visit.
Healdsburg staff will contact you to schedule a site visit.

QUESTIONS?

Visit: smartlivinghealdsburg.org

Email: conservation@healdsburg.gov

Call: 707-431-3122

- You must be an existing customer with an active water account.
- If you are not the owner of the property where the rain barrel and/or cistern is installed, you are responsible for obtaining necessary permissions from the owner before applying for this rebate.
- Projects that require a permit and involve adjusting an existing irrigation system or installing a new one will need to comply with the City's backflow device requirements.

RAIN BARREL AND CISTERNS MUST BE

- Purchased on/after January 1, 2021.
- Newly purchased, constructed of HDPE plastic or comparable, with at least 50 gallons of storage capacity, and designed for the intended purpose of rainwater capture.
- Secured for child safety, screened or sealed for vector control (e.g. mosquito, rodent) with a fine mesh screen (1/16th inch), and designed for debris control.
- Labeled with: "NONPOTABLE RAINWATER. DO NOT DRINK".

RAIN BARREL & CISTERN REBATE

- Equipped with an overflow tube or pipe near the top of the barrel or cistern, directed away from buildings and/or adjacent properties.
- Equipped with a spigot near the bottom of the rain barrel or cistern, or uses a pumping system.
- Connected to rain gutter downspout, rain chain, or other effective means of capturing flow from roofs or other impervious surfaces.
- Cleaned annually, including gutters.
- Placed on a solid and level foundation, and installed and maintained in accordance with the manufacturer's instructions.
- Situated to avoid blocking or restricting access to doors, walkways, or pathways.
- Installed, operated and maintained in accordance with requirements of Chapter 16 of the 2019 California Plumbing Code and local permitting requirements.
- Strapped to your home or building for earthquake and personal safety if the height of the barrel/ cistern is two times greater than the width.
- All rainwater harvesting systems that involve tanks or barrels must be equipped with a backflow prevention device at the water main and an air gap between the rainwater harvesting system and the connection, if any, to the potable water supply. Backflow prevention devices must be installed by a licensed professional, and require annual inspection and testing. Please contact [HEALDSBURG CONTACT INFO](#) for more information.
- The only exception to the backflow device requirement are rain barrels and cisterns that distribute collected rainwater via a hose or bucket only, are not connected to the potable water system and are not equipped with a pump.

TERMS & CONDITIONS

- Only qualifying products purchased on/after January 1, 2021, are eligible for a rebate.
- Rebates are offered on a first-come, first-served basis, subject to availability of funds.
- Rebates cover the cost of rain barrels and cisterns only, excluding tax, delivery, and labor.
- Rebates will be paid to the name as it appears on the water bill, unless applicant is not the water account holder.
- Receipts must be legible and itemized to clearly show what has been purchased. If submitting an invoice from a contractor please ensure it includes the name and address of the contractor, itemized dollar amount of qualifying purchase(s), zero balance due, product brand, model and storage capacity. Receipts will not be returned—please make copies for your records;
- Healdsburg Utility Department reserves the right to request proof of installation and/or to inspect the property to verify that the product(s) is (are) installed, either before or after rebate is paid, and, if necessary, to recover rebated amounts on water bill for any products not installed as required.
- Inspections may also be required at the discretion of the local mosquito and vector control agency and local permitting agencies.
- Applicants are responsible for complying with all applicable codes and regulations.
- Participant agrees to allow the Utility Department to use project photos for outreach and educational.
- Allow up to eight weeks for processing.



RAIN BARREL & CISTERN REBATE APPLICATION

Account Number:		
Applicant Name:		
Affiliation (check all that apply): <input type="checkbox"/> Account Holder <input type="checkbox"/> Property Owner <input type="checkbox"/> Tenant		
Business, HOA or Condo Complex Name (if applicable):		
Site Address (where installed):		Unit #:
City:	Zip:	
Mailing Address (if different from site address):		
Mailing City:	Mailing Zip:	
Email:	Daytime Phone:	
Installer Name (if you hired an installer):		
Installer Company Name:		
Installer Address:		
City:	Zip:	
Installer Email:	Installer Phone:	
PRODUCTS	RAIN BARREL	CISTERN
Date Purchased		
Date Installed		
Storage Volume (gallons)		
Make and Model		
Price (excluding tax, delivery and labor)		
Roof Area Used to Collect Rainwater (square feet):		
Landscape Area Where Rainwater Applied (square feet):		
Irrigation System Used with Rainwater (check all that apply): <input type="checkbox"/> Bucket <input type="checkbox"/> Hose <input type="checkbox"/> Drip <input type="checkbox"/> Spray		
<p>DISCLAIMER: Applicant expressly agrees that City of Healdsburg ("City") may inspect all properties participating in this rebate program; that City does not guarantee the performance of any product receiving a rebate; and that City does not warrant any product or installation to be free of defects, the quality of workmanship, or the suitability of the premises or the product for the installation. Applicant further agrees to defend, indemnify, and hold harmless City its directors, officers, agents, and employees, from and against any and all loss, damage, expense, claims suits, and liability, including attorney fees arising out of or in any way connected with the product(s) and its (their) installation. Applicant understands that installation of a qualifying product may not result in lower water bills. City reserves the right to change the terms of this rebate program offer at any time, without notification. Applicant has read, understands, and agrees to the terms and conditions of this rebate program.</p>		
Applicant Signature:		Date:
MAIL COMPLETED APPLICATION WITH RECEIPTS TO Healdsburg Utility Dept Attn: Conservation 401 Grove St Healdsburg, CA 95448		FOR INTERNAL USE ONLY Site Visit Date: _____ Staff: _____ Approved: \$ _____

BOARD OF SUPERVISORS

575 ADMINISTRATION DRIVE, RM. 100A
SANTA ROSA, CALIFORNIA 95403

(707) 565-2241
FAX (707) 565-3778



CHRIS COURSEY
Supervisor, Third District

October 26, 2022

California Department of Water Resources
Prop 1 Integrated Regional Water Management Program
715 P Street
Sacramento, CA 95814

Re: Letter of Support for Gold Ridge RCD's Rainwater Catchment Rebate and Streamflow Enhancement Project-Phase II

Prop 1 IRWM Review Committee:

I am writing to express my support for the proposal for the second phase of the Rainwater Catchment Rebate and Streamflow Enhancement Project, submitted through a partnership between Sonoma Water, the Gold Ridge and Sonoma RCDs, Sonoma-Marin Saving Water Partnership, and Daily Acts.

By promoting household-level water conservation, awareness, and self-reliance, this project advances the goals of the Sonoma County Climate Resilient Lands Strategy. We recognize rainwater catchment as an important component of water supply sustainability for our county and see the continuation and expansion of this successful program as an important step in involving our constituents in these efforts at the household level.

As a prominent stakeholder in promoting water conservation and sustainability in Sonoma County's North Coast region, we look forward to supporting this project through implementation. We urge you to give this application your full consideration.

Sincerely,

Chris Coursey
Third District Supervisor
Vice Chair, Sonoma County Board of Supervisors

cc: Gold Ridge Resource Conservation District



COUNTY OF SONOMA
BOARD OF SUPERVISORS
575 ADMINISTRATION DRIVE, RM. 100A
SANTA ROSA, CALIFORNIA 95403
(707) 565-2241



October 27, 2022

Department of Water Resources
Prop 1 Integrated Regional Water Management Program

Subject: Letter of Support for Gold Ridge RCD's Rainwater Catchment Rebate and Streamflow Enhancement Project-Phase II

Prop 1 IRWM Review Committee:

I am writing to express my support for the proposal for the second phase of the Rainwater Catchment Rebate and Streamflow Enhancement Project, submitted through a partnership between Sonoma Water, the Gold Ridge and Sonoma RCDs, Sonoma-Marin Saving Water Partnership, and Daily Acts.

By promoting household-level water conservation, awareness, and self-reliance, this project advances the goals of the Sonoma County Climate Resilient Lands Strategy. We recognize rainwater catchment as an important component of water supply sustainability for our county, and see the continuation and expansion of this successful program as an important step in involving our constituents in these efforts at the household level.

As a prominent stakeholder in promoting water conservation and sustainability in Sonoma County's North Coast region, we look forward to supporting this project through implementation. We urge you to give this application your full consideration.

Sincerely,

Lynda Hopkins
Supervisor, Fifth District

cc: Gold Ridge Resource Conservation District

JARED HUFFMAN
2ND DISTRICT, CALIFORNIA

WASHINGTON OFFICE
1527 LONGWORTH HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
PHONE: (202) 225-5161
FAX: (202) 225-5163
WEBSITE: huffman.house.gov

Congress of the United States
House of Representatives
Washington, DC 20515-0502

COMMITTEE ON
NATURAL RESOURCES
WATER, OCEANS, AND WILDLIFE – CHAIR
NATIONAL PARKS, FORESTS, AND PUBLIC LANDS
ENERGY AND MINERAL RESOURCES
COMMITTEE ON TRANSPORTATION
AND INFRASTRUCTURE
HIGHWAYS AND TRANSIT
WATER RESOURCES AND ENVIRONMENT
SELECT COMMITTEE ON THE
CLIMATE CRISIS

November 2, 2022

Department of Water Resources
Prop 1 Integrated Regional Water Management Program

Dear Prop. 1 IRWM Review Committee:

I am writing to support the proposal for the second phase of the Rainwater Catchment Rebate and Streamflow Enhancement Project, submitted through a partnership between Sonoma Water, the Gold Ridge and Sonoma RCDs, Sonoma-Marin Saving Water Partnership, and Daily Acts.

By promoting household-level water conservation, awareness, and self-reliance, this project advances the goals of California's climate resilience policies. Rainwater catchment is an important component of localized water supply sustainability, and the continuation and expansion of this successful program is an important step in involving our constituents in these efforts at the household level.

This request aligns with regional stakeholder efforts in promoting water conservation and sustainability in Sonoma County's North Coast region, and I urge you to give this application your full and fair consideration.

Sincerely,



JARED HUFFMAN
Member of Congress

cc: Gold Ridge Resource Conservation District

SAN RAFAEL
999 FIFTH AVENUE, SUITE 290
SAN RAFAEL, CA 94901
PHONE: (415) 258-9657
FAX: (415) 258-9913

PETALUMA
206 G STREET, #3
PETALUMA, CA 94952
PHONE: (707) 981-8967
FAX: (415) 258-9913

UKIAH
200 S. SCHOOL ST., SUITE 1
UKIAH, CA 95482
PHONE: (707) 671-7449
FAX: (707) 962-0905

FORT BRAGG
430 NORTH FRANKLIN STREET
P.O. BOX 2208
FORT BRAGG, CA 95437
PHONE: (707) 962-0933
FAX: (707) 962-0905

EUREKA
317 THIRD STREET, SUITE 1
EUREKA, CA 95501
PHONE: (707) 407-3585
FAX: (707) 407-3559