

PROJECT INFORMATION FORM

Please complete a unique Project Information Form for each project in the application. There are no character limits on specific questions but the Project Information Form as a whole may not exceed 10 pages.

1. Project Name: River Pumps Backup Generator Project
2. Local Project Sponsor (if different than grantee): Scotia CSD
3. Please provide the latitude and longitude of the project site. For linear projects or those covering a large area, report the coordinates for a central point. If this information is confidential, it must be clearly labeled "confidential." You can find the latitude and longitude easily using google maps. You can find instructions at the following link:
<https://support.google.com/maps/answer/18539?hl=en&co=GENIE.Platform%3DDesktop>.

Latitude: 40.476734N

Longitude: -124.106758W

4. Please briefly describe the proposed project.

The Scotia Community Services District (SCSD) serves a small rural severely disadvantaged community of approximately 602 residents and 393 service connections. Scotia is located in Humboldt County, in far Northern California. SCSD has a median household income of \$39,063, approximately 49% of the state-wide median household income. SCSD's water supply is from a subsurface infiltration gallery below the lower Eel River.

This project includes design, permitting, bid support, and purchase and installation of a new diesel-powered backup power generator, diesel storage tank, and automatic transfer switch for the District's river water intake pumps that supply drinking water, fire water, and industrial water to customers.

SHN completed a design for construction of a new facility to power and control the river pumps which was constructed in 2018. Included in the engineering design and specifications was the backup power generator, however, it was excluded from the project at that time. Since the new power and control system was installed, the river pumps have been replaced with new pumps. The new river pumps operate differently than originally intended, such that the original specifications for the backup power generator needs to be revisited and revised. This project will include revision of the technical specifications for the backup power generator, structural design of a concrete pad for the generator, and engineering design plans for electrical and controls to connect the generator to the existing river pumps power and control systems.

SCSD has been awarded a \$300,000 grant from CalOES through the Fiscal Year (FY) 2020 Community Power Resiliency Allocation to Special Districts Program. These funds must be expended by March 30, 2022. SCSD plans to use the CalOES grant funds as match funding along with other funds received from this program if awarded.

5. Does this project respond to an existing emergency to humans and/or wildlife? If so, please describe the emergency and how this project is addressing it.

No

6. Each project must meet one of the following purposes as it relates to drought. Please select the appropriate purpose for your project.

- a. Address immediate impacts on human health and safety, including providing or improving availability of food, water, or shelter.
- b. Address immediate impacts on fish and wildlife resources.
- c. Provide water to persons or communities that lose or are threatened with the loss or contamination of water supplies.

7. Each project must enhance regional drought resilience and align with the goals and objectives of the relevant approved Integrated Regional Water Management Plan. You can find the relevant IRWM Region by using the map at the following link:

<https://gis.water.ca.gov/app/dacs/>

The IRWM Plans can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs/Plan-Review-Process>. If you have any questions about the IRWM region the contact list can be found at the following link: <https://water.ca.gov/Work-With-Us/Grants-And-Loans/IRWM-Grant-Programs>. Applicants are encouraged to contact and coordinate with the applicable RWMG for the IRWM region in which the project is located

Please identify the IRWM objective your project addresses.

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 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 11 — Address climate change effects, impacts, and vulnerabilities, including droughts, fires, floods, and sea level rise. Develop adaptation strategies for local and regional sectors to improve air and water quality and promote public health and safety

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

8. Describe the Primary Benefit of the project.

Quantified benefit: 73.6

Units (Drop down): Acre feet per year If other please enter:

Benefit Type: Water Supply Reliability If other please enter:

9. Describe the Secondary Benefit of the project:

Quantified benefit: 222

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

Benefit Type: Improve operational efficiency If other please enter:

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

SCSD experienced approximately 222 hours of power outages after July 15, 2019. At an average pumping rate of 1,500 gallons per minute, this totals approximately 20 million gallons of water supply.

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

SCSD owns and operates the drinking water and fire protection water infrastructure for the community, and supplies potable drinking water, untreated industrial water, and fire protection water (as well as other services: wastewater, parks, streets, lighting and drainage). Raw water is drawn from beneath the Eel River through an infiltration gallery and pumped up to a treatment and storage facility above town. This pumping facility is considered a critical facility pursuant to the de-energization guidelines adopted by the California Public Utilities Commission.

The river pumps sit down in a wet well on the bank of the Eel River, and water flows by gravity into the wet well from an intake gallery beneath the river. The pumps had to be reset to a lower level this year due to decreasing water level in the Eel River. The lower elevation of the water level also increases the amount of power required to pump the water to the treatment facility, increasing costs and greenhouse gas production associated with power production.

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

SCSD has a 1 million gallon (MG) raw water storage tank and produces approximately 1 MG of treated water daily. During extended power outages, SCSD is unable to fill the raw water tank. During power outages, SCSD is also less able to run the river pumps during off-peak hours, greatly increasing the cost of running the pumps. With a backup generator, SCSD will be able to maintain raw water supply for the community, and avoid peak usage hours of operation. The purpose of this project is to install a backup power source for the river water pumps which are the sole source of water for the community, to improve resiliency during power outages and emergencies.

13. Please complete the following budget table for the project. (Identify funding sources in Question 15)

| | BUDGET CATEGORY | Grant Amount | All Other Cost | Total Cost |
|------------|---|---------------------|-----------------------|-------------------|
| (a) | Project Administration | 17,390 | 0 | 17,390 |
| (b) | Land Purchase / Easement | 0 | 0 | 0 |
| (c) | Planning / Design / Engineering / Environmental Documentation | 80,132 | 0 | 80,132 |

| | | | | |
|------------|-------------------------------|----------------|----------|----------------|
| (d) | Construction / Implementation | 625,353 | 0 | 625,353 |
| | TOTAL COSTS | 722,875 | 0 | 722,875 |

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

Match funding received from CalOES in the amount of \$300,000 must be expended by March 30, 2022. The total estimate project cost of \$722,875 exceeds the match funding available from CalOES. Further, generator manufacturers have indicated lead times for generators are currently 7-11 months. This could potentially jeopardize SCSD's ability to use the CalOES funds for equipment and construction. If state funding is not secured, this project will not be completed.

15. Will the applicant provide cost share (encouraged but not required) and/or will this project require any additional funding from sources other than this solicitation? If so, please describe the funding source and indicate if the funding has been secured. If the funding has not been secured, please describe the plan to secure the necessary funding.

Match funding from CalOES has been secured in the amount of \$300,000. This funding must be expended by March 30, 2022. Tasks that can be completed by this date may be funded by the CalOES funds, additional funding to complete construction of the project is necessary.

16. Is land acquisition or landowner permission required for this project? If so, please briefly describe the status of the acquisition or agreement with the landowner. If the acquisition is not complete or permission not secured at the time of application, please describe the plan to complete it.

No, SCSD has an agreement with the landowner to secure an easement for the project.

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

Partially. SHN completed a design for construction of a new facility to power and control the river pumps which was constructed in 2018. Included in the engineering design and specifications was the backup power generator, however, it was excluded from the project at that time. Since the new power and control system was installed, the river pumps have been replaced with new pumps. The new river pumps operate differently than originally intended, such that the original specifications for the backup power generator needs to be revisited and revised.

This project will include revision of the technical specifications for the backup power generator, structural design of a concrete pad for the generator, and engineering design plans for electrical and controls to connect the generator to the existing river pumps power and control systems.

18. Are the CEQA (and NEPA if applicable) and permitting processes for this project complete? If not, please briefly describe the permits and CEQA (or NEPA) documents to be completed and projected schedule for completion.

CEQA categorical exemption; North Coast Unified Air Quality Management District air quality permit; Tier 1 Spill Prevention, Control, and Countermeasure Plan; Hazardous

Materials Business Plan update. The schedule for completion will depend upon the date funding is made available.

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

Construction items are as follows :

Mobilization/Demobilization: Time and materials for contractor mobilization and demobilization activities including moving equipment, tools, and materials to job site for construction.

Concrete Pad: Time and materials for construction of concrete pad to hold the backup generator. Estimated as \$600 per cubic yard (installed) at 24 cubic yards.

Installation: Time and materials for contractor installation of backup generator and transfer switch. Estimated as 25% of equipment total.

Electrical: Time and materials for connection of backup generator to transfer switch, and transfer switch to river pumps power supply and controls. Allowance of \$20,000 provided.

Controls Integration: Time and materials for controls integrator contractor to integrate generator and transfer switch controls with river pump controls. Allowance of \$5,000 provided.

Startup and Testing: Time and materials for manufacturer and contractor to conduct startup and testing of equipment. Allowance of \$5,000 provided.

Construction Administration items are as follows:

Submittal Review: Review contractor submittals, prepare submittal review forms, prepare submittal review responses.

RFIs: Respond to contractor requests for information during construction, track and record contractor RFIs, prepare responses to RFIs.

Construction Monitoring: daily observation of construction activities, maintain daily records of construction activities.

Construction Meetings: Attend weekly construction meetings, document meeting discussions, decisions, attendees, and daily site safety trainings.

Special Inspections: Coordinate and conduct special inspections including electrical power and controls inspections.

Record Drawings: Prepare record drawings using contractor red-lines of as-built conditions. Record drawings to be signed and sealed by registered California Professional Engineer.

Review Pay Requests: Review contractor pay requests including hours worked, wage rates, equipment hours and types, and contractor markup, communicate pay request review results.

Review Change Order Requests: Review contractor change order requests, communicate review results and recommendations.

Labor Compliance: Conduct labor compliance interviews, maintain documentation of names, job titles, and hours worked (regular time/over time/double time)

20. Please complete the schedule below for the project. Projects must be complete by March 31, 2026, to allow time for final invoice processing and retention payment before the State funds expire on June 30, 2026. Project administration should end at least three months after construction.

| | Categories | Start Date | End Date |
|-----|--|-------------------|-----------------|
| (a) | Project Administration | 1/3/2022 | 7/28/2023 |
| (b) | Land Purchase / Easement | | |
| (c) | Planning/ Design / Engineering / Environmental Documentation | 1/17/2022 | 3/25/2022 |
| (d) | Construction/ Implementation | 3/28/2022 | 5/8/2023 |



NORTH COAST RESOURCE PARTNERSHIP

Urban and Multibenefit Drought Relief Grant, 2021

Eligibility and General Project Information Application

The Eligibility and General Project Information Application will be accepted until 5:00 pm, November 17, 2021

It is important to save the Eligibility and General Project Information Application file with a distinct file name that references the project name. Please fill out grey text boxes and select all the check boxes that apply to the project. Application responses should be clear, brief and succinct. When the application is complete, please email to Katherine Gledhill at kgledhill@westcoastwatershed.com

If you have questions or need additional information please contact:

- General Information: Katherine Gledhill at kgledhill@westcoastwatershed.com or 707.795.1235
- Technical Assistance/Support: Colette Metz Santsche, colettem@planwestpartners.com or 707.825.8260
- Tribal Projects: Sherri Norris, NCRP Director of Tribal Engagement at sherri@cieaweb.org or 510.848.2043

A. GENERAL INFORMATION

1. Project Name:

River Pumps Backup Generator Project

2. Project Abstract [500 characters]

The Scotia Community Services District (SCSD) serves a severely disadvantaged community. The pumps that supply the water to the town do not have any backup power source, leaving the community prone to supply restrictions due to power outages and other emergencies. This project includes installation of a new diesel-powered backup power generator and diesel storage tank for the District's river water intake pumps that supply drinking water, fire water, and industrial water to customers.

3. Local Project Sponsor Name:

Scotia Community Services District

4. Contact Name/Title

Name: Leslie Marshall

Title: General Manager

Email: lesliem@planwestpartners.com

Phone Number (include area code): 707-764-3030

5. Does your Organization need technical assistance and/or proposal development support for the NCRP Urban and Multibenefit Drought Relief Grant proposal?

yes no

Please briefly describe the technical/proposal support needed.

General technical assistance and proposal development is desired

6. Organization Type

Public agency

Non-profit organization

Public utility

Special District

Mutual Water Company

Federally recognized Indian Tribe

Non-federally recognized Native American Tribes on the contact list maintained by the Native American Heritage Commission for the purposes of Chapter 905 of the Statutes of 2004

Other:

7. If the Local Project Sponsor is a mutual water company or public utility, does the proposed project have a clear and definite public purpose that benefits the customers of the water system or other public utility and not the investors? yes no

8. If yes, please state the public purpose and explain how it benefits the customers:

The purpose of this project is to install a backup power source for the river water pumps which are the sole source of water for the community, to improve resiliency during power outages and emergencies.

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

10. Describe the drought conditions in the area where your project is located.

Note: This question is important and must be answered.

This area of Humboldt County is currently experiencing moderate drought and lower river levels relative to historic levels. River pumps have been relocated this year to lower levels to ensure surface water can continue to be pumped year round.

B. PROJECT BENEFITS TO DISADVANTAGED COMMUNITIES AND/OR TRIBES

1. Does the project provide direct benefits to a project area comprised of Disadvantaged Communities? If partially, please estimate percentage of project that benefits disadvantaged communities and list the communities.

• Entirely

• Partially

• No

List the Disadvantaged Community(s) (DAC)

Scotia Census Designated Place

2. Does the project provide direct benefits to a project area comprised of Severely Disadvantaged Communities (SDAC)? If partially, please estimate percentage of the project that benefits the severely disadvantaged community(s) and list the SDACs.

- Entirely
- Partially
- No

List the Severely Disadvantaged Community(s)

Scotia Census Designated Place

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

- Entirely
- Partially
- No

List the Tribal Community(s)

If yes, please provide evidence of support from each Tribe listed as receiving these benefits.

a) Is a Tribal letter of support included in the application?

- yes no

C. NCRP GOALS AND OBJECTIVES

Please check the NCRP goals/objectives below that align with your project goals/objectives. Note: you may skip Question 7 on the PROJECT INFORMATION FORM.

GOAL 1: INTRAREGIONAL COOPERATION & ADAPTIVE MANAGEMENT

- Objective 1 - Respect local autonomy and local knowledge in Plan and project development and implementation
- Objective 2 - Provide an ongoing framework for inclusive, efficient intraregional cooperation and effective, accountable NCRP project implementation
- Objective 3 - Integrate Traditional Ecological Knowledge in collaboration with Tribes to incorporate these practices into North Coast Projects and Plans

GOAL 2: ECONOMIC VITALITY

- Objective 4 - Ensure that economically disadvantaged communities are supported and that project implementation enhances the economic vitality of disadvantaged communities by improving built and natural infrastructure systems and promoting adequate housing
- Objective 5 - Conserve and improve the economic benefits of North Coast Region working landscapes and natural areas

GOAL 3: ECOSYSTEM CONSERVATION AND ENHANCEMENT

- Objective 6 – Conserve, enhance, and restore watersheds and aquatic ecosystems, including functions, habitats, and elements that support biological diversity
- Objective 7 - Enhance salmonid populations by conserving, enhancing, and restoring required habitats and watershed processes

GOAL 4: BENEFICIAL USES OF WATER

- Objective 8 - Ensure water supply reliability and quality for municipal, domestic, agricultural, Tribal, and recreational uses while minimizing impacts to sensitive resources
- Objective 9 - Improve drinking water quality and water related infrastructure to protect public health, with a focus on economically disadvantaged communities
- Objective 10 - Protect groundwater resources from over-drafting and contamination

GOAL 5: CLIMATE ADAPTATION & ENERGY INDEPENDENCE

- Objective 11 - Address climate change effects, impacts, vulnerabilities, including droughts, fires, floods, and sea level rise. Develop adaptation strategies for local and regional sectors to improve air and water quality and promote public health
- Objective 12 - Promote local energy independence, water/ energy use efficiency, GHG emission reduction, and jobs creation

GOAL 6: PUBLIC SAFETY

- Objective 13 - Improve flood protection, forest and community resiliency to reduce the public safety impacts associated with floods and wildfires

D. DEPARTMENT OF WATER RESOURCES ELIGIBILITY

1. URBAN WATER MANAGEMENT PLAN

- a) Is the organization required to file an Urban Water Management Plan (UWMP)?
 yes no
- b) If Yes, list the date the UWMP was approved by DWR:
- c) Does the urban water supplier have a complete and validated water loss audit report verified by DWR in accordance with Senate Bill No. 555 (Stats. 2015, ch. 679).
 yes no
- d) Does the urban water supplier meet the water meter requirements of CWC 525?
 yes no
- e) Is the urban water supplier compliant with requirements to submit to the State Water Resources Control Board their monthly water use reports in compliance with requirements outlined in the California Code of Regulations, title 23, sections 991?
 yes no
- f) If facing water supply shortages, the urban water supplier must have activated a Water Shortage Contingency Plan to a stage commensurate with their current water supply conditions. Has the applicant reported activation of the plan to the State Water Board?
 yes no

2. AGRICULTURAL WATER MANAGEMENT PLAN

- a) Is the organization – or any organization that will receive funding from the project – required to file an Agricultural Water Management Plan (AWMP)?
 yes no
- b) If Yes, list date the AWMP was approved by DWR:
- c) Does the agricultural water supplier(s) meet the requirements the Water Code and Executive Order (EO) B-29-15?

yes no

3. SURFACE WATER DIVERSION REPORTS

- a) Is the organization a Surface Water Diverter?
 yes no
- b) If Yes, has the organization filed annual and monthly surface water diversion reports to the SWRCB per the requirements in Water Code section 5100 et seq., and California Code of Regulations, title 23, sections 907-930?
 yes no

4. CALIFORNIA GROUNDWATER MANAGEMENT COMPLIANCE

- b) Does the project that directly affect groundwater levels or quality?
 yes no
- c) If Yes, is the Project located in a CASGEM High or Medium priority groundwater basin?
- d) Please list the groundwater basin:
- e) Does the above CASGEM High or Medium priority groundwater basin(s) have an adopted GWMP in compliance of Water Code section 10753 before January 1, 2015?
 yes no
- f) If yes, is a GSA letter of support included in the application?**
 yes no

For groundwater projects or other projects that directly affect groundwater levels or quality in a high or medium priority basin, documentation that the project has support from the Groundwater Sustainability Agency (GSA) of the impacted groundwater basin(s), or the agency responsible for implementing an alternative plan is required to be included with the application.

5. CASGEM COMPLIANCE

- a) Does the project overlie a medium or high groundwater basin as prioritized by DWR?
 yes no
- b) If Yes, list the groundwater basin: Eel River Valley
- c) If Yes, please specify the name of the organization that is the designated monitoring entity: Humboldt County Dept. of Public Works
- d) If there is no monitoring entity, please indicate whether the project is wholly located in an economically disadvantaged community.
 yes no
- e) **If yes, is a map that shows the Project's implementing agency's service area boundary and DAC overlay included in the application?**
 yes no

Note: Consistent with Water Code section 10933.7(b), if the entire service area of the individual Local Project Sponsor's service area is demonstrated to be a disadvantaged community, the project will be considered eligible for grant funding notwithstanding CASGEM compliance. If the Local Project Sponsor is exempt, a map must be included with the application that shows the Project's implementing agency's service area boundary. The map should include a DAC overlay to demonstrate the project is exempt. Please contact NCRP staff for assistance.

6. STORM WATER MANAGEMENT PLAN

- a) Is the project a stormwater and/or dry weather runoff capture project?

yes no

b) If yes, please provide the name of the Stormwater Resource Plan (or Functionally Equivalent Stormwater Resource Plan) that the project is listed in.

c) If the project is a stormwater project but is not listed in a Stormwater Resource Plan, does the project benefit a Disadvantaged Community with a population of 20,000 or less?

yes no