

**Agreement**  
**between**  
**Gold Ridge Resource Conservation District**  
**and the**  
**City of Santa Rosa**

**Rainwater Catchment Rebate Program Support**

This agreement ("Agreement") is made as of this \_\_\_ day of \_\_\_\_, 2022 by and between **the Gold Ridge Resource Conservation District "GRRCD"**, a public agency, and the **City of Santa Rosa ("City")**, a municipal corporation. The Effective Date of this Agreement is May 5, 2022. \_\_\_\_\_

**RECITALS**

- A. This Agreement has been developed as part of a multi-partner pilot program, funded through the Department of Water Resources' North Coast Integrated Regional Water Management Program and the County of Sonoma's Climate Resiliency program, in partnership with Gold Ridge Resource Conservation District, Sonoma Resource Conservation District, Sonoma Water, City of Santa Rosa, and Daily Acts Organization (collectively, "Partners"), and seeks to promote water conservation, provide alternatives to groundwater use, enhance streamflow, and foster water use awareness.
- B. Partners will collaborate in development and implementation of a training program to promote household-level water storage through rainwater catchment. This grant-funded program will build upon the Partners' current success in fostering community water conservation, security, and awareness.
- C. The Program will contribute to the City's existing rainwater catchment incentive program ("Program") from May 5, 2022 to September 30, 2024 to provide participating water customers with a rebate on a per gallon basis for installing rainwater catchment systems. GRRCD will provide \$0.25/gallon towards the City's existing Program.
- D. Funding of \$20,000 is available to the City from GRRCD for reimbursement of Program rebate costs.

In consideration of the foregoing recitals and the mutual covenants contained herein, the parties hereto agree as follows:

**AGREEMENT**

**1. RECITALS**

The above recitals are true and correct and are incorporated herein.

**List of Exhibits**

The following exhibits are attached hereto and incorporated herein:

Exhibit A: City of Santa Rosa Rainwater Harvesting Rebate Program description

Exhibit B: Grant Award Documents

## **2. COORDINATION**

Cooperation with GRRCD. City shall coordinate the work with GRRCD's Project Manager.

Contact information and mailing addresses:

GRRCD	City of Santa Rosa
Project Manager: Noelle Johnson 2776 Sullivan Rd  Sebastopol, CA 95472 Phone: 707-834-8880 Email: Noelle@goldridgercd.org	Water Use Efficiency Coordinator: Claire Nordlie 69 Stony Circle Santa Rosa, CA 95401  Phone: 707-543-3962 Email: CNordlie@srcity.org
Remit invoices to:  Email: Noelle@goldridgercd.org	Remit payments to: Same address as above Attn: Claire Nordlie

## **3. CITY'S RESPONSIBILITIES**

City shall complete the following:

- 3.1. General. City agrees to perform all work in accordance with the requirements of applicable federal, state, and local laws, including all state and local orders and guidance related to COVID-19 as may be amended from time to time.
- 3.2. City will provide a Rainwater Harvesting Rebate Program in accordance with Exhibit A within the term of this Agreement.
- 3.3. Program costs authorized for funding by GRRCD pursuant to this Agreement are for implementation of the City of Santa Rosa's Rainwater Harvesting Rebate Program (Exhibit A), which provides for a cost share with Program applicants via rebates of \$0.25/gallon up to a Program total of \$20,000 through September 30, 2024.
- 3.4. Marketing: City will perform outreach and marketing for the Rebate Program and verify water customer eligibility, including updates about the higher rebate on its webpage.
- 3.5. Communication: City will provide regular communication as needed via email or phone with GRRCD staff on budget tracking and other issues as required.
- 3.6. Monitoring: City will provide access to work sites, records, programs or procedures in order to ensure compliance with terms and conditions of the Grant Agreement.
- 3.7. State or Grant Funding: City is informed and aware that this Agreement is funded by a grant from the California Department of Water Resources Proposition 1 Integrated Regional Water Management Implementation Grant Agreement No. 4600013820, and cost share funding through the County of Sonoma Climate Resilience Fund, which are conditioned upon various terms that apply to City. City has reviewed the grant award documents attached hereto as Exhibit B (Grant Award Documents) and hereby agrees to comply with them to the extent they apply to a grant sub-recipient.

- 3.8. Membership: City shall maintain membership in the Sonoma-Marín Saving Water Partnership for the term of this Agreement.
- 3.9. Invoices and Reports. City shall bill GRRCD quarterly with invoices that are clearly marked with "City of Santa Rosa, Agreement for Rainwater Catchment Rebate Support Program." Invoices should be submitted to GRRCD no later than the 10th of the month following the end of the calendar quarter. Invoices should be submitted electronically to Noelle Johnson at [Noelle@goldridgercd.org](mailto:Noelle@goldridgercd.org). Invoices should include a brief report with the following data on rebates administered during that quarter:
- Property address or APN;
  - Rebate amount;
  - Gallons of water storage of installed system; and
  - Date of rebate post-inspection.
- 3.10. Unused Funds. If the total of actual costs of authorized expenses is less than the total amount provided under this Agreement, City recognizes these funds will be reallocated by GRRCD to other program costs and will not be available beyond the termination date of this Agreement.
- 3.11. Statutory Compliance/Living Wage Ordinance. City agrees to comply with any and all applicable prevailing wage requirements set forth in California Labor Code Sections 1770, et seq. and any current and future implementing regulations, policies, procedures and standards promulgated thereunder, all as may be amended from time to time. Current information regarding California's prevailing wage requirements can be obtained online at: <http://www.dir.ca.gov/lcp.asp>. and <http://www.dir.ca.gov/dlse/PWManualCombined.pdf>. No activities in the City's current Scope of Work require prevailing wage.

#### **4. GGRCD RESPONSIBILITIES**

- 4.1. Funding. GGRCD will provide \$0.25 per gallon of installed rainwater catchment in compliance with the City of Santa Rosa Rainwater Harvesting Rebate Program for up to a total of \$20,000 during the term of this Agreement.
- 4.2. Payment. GGRCD will process the quarterly invoice from City and remit payment within 30 days after GRRCD has received payment from the Grantor. After GRRCD has received payment from the Grantor for work completed, the GRRCD Board of Directors shall review the invoice and payment at their regularly scheduled meeting on the third Thursday of the month unless otherwise posted. No bill can be paid without Board approval.

#### **5. INDEMNITY AND DEFENSE**

- 5.1. City agrees to accept all responsibility for loss or damage to any person or entity, including GRRCD, and to indemnify, hold harmless, and release GRRCD, its officers, agents, and employees, from and against any actions, claims, damages, liabilities,

disabilities, or expenses, that may be asserted by any person or entity, including City, that arise out of, pertain to, or relate to City's or its agents', employees', contractors', subcontractors', or invitees' performance or obligations under this Agreement. City agrees to provide a complete defense for any claim or action brought against GRRCD based upon a claim relating to City's or its agents', employees', contractors', subcontractors', or invitees' performance or obligations under this Agreement. City's obligations under this Paragraph 6.1 apply whether or not there is concurrent or contributory negligence on the part of GRRCD, but, to the extent required by law, excluding liability due to conduct of GRRCD. GRRCD shall have the right to select its legal counsel at City's expense, subject to City's approval, which shall not be unreasonably withheld. This indemnification obligation is not limited in any way by any limitation on the amount or type of damages or compensation payable to or for City or its agents under workers' compensation acts, disability benefits acts, or other employee benefit acts.

- 5.2. GRRCD agrees to accept all responsibility for loss or damage to any person or entity, including City, and to indemnify, hold harmless, and release City, its officers, agents, and employees, from and against any actions, claims, damages, liabilities, disabilities, or expenses, that may be asserted by any person or entity, including GRRCD, that arise out of, pertain to, or relate to GRRCD's or its agents', employees', contractors', subcontractors', or invitees' performance or obligations under this Agreement. GRRCD agrees to provide a complete defense for any claim or action brought against City based upon a claim relating to GRRCD's or its agents', employees', contractors', subcontractors', or invitees' performance or obligations under this Agreement. GRRCD's obligations under this Paragraph 6.2 apply whether or not there is concurrent or contributory negligence on the part of City, but, to the extent required by law, excluding liability due to conduct of City. City shall have the right to select its legal counsel at GRRCD's expense, subject to GRRCD's approval, which shall not be unreasonably withheld. This indemnification obligation is not limited in any way by any limitation on the amount or type of damages or compensation payable to or for GRRCD or its agents under workers' compensation acts, disability benefits acts, or other employee benefit acts

## **6. TERMINATION**

- 6.1. This Agreement may be terminated by either party by giving ten (10) days written notice to the other party of its intent to terminate the Agreement.



## 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.
- 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.

**GRANT AGREEMENT BETWEEN THE STATE OF CALIFORNIA  
(DEPARTMENT OF WATER RESOURCES) AND  
HUMBOLDT COUNTY  
AGREEMENT NUMBER 4600013820  
PROPOSITION 1 ROUND 1 INTEGRATED REGIONAL WATER MANAGEMENT (IRWM)  
IMPLEMENTATION GRANT  
AMENDMENT 1**

THIS GRANT AGREEMENT is entered into by and between the Department of Water Resources of the State of California, herein referred to as the "State" or "DWR," and the Humboldt County, a public agency in the State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Grantee," which parties do hereby agree as follows:

- 1) PURPOSE. The State shall provide funding from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) to the Grantee to assist in financing the projects, which are included in and implemented in an adopted Integrated Regional Water Management Plan (IRWM Plan), pursuant to Chapter 7. Regional Water Security, Climate, and Drought Preparedness (Wat. Code, § 79740 et seq.). The provision of State funds pursuant to this Agreement shall be construed or interpreted to mean that the IRWM Plan, or any components of the IRWM Plan, implemented in accordance with the Work Plan as set forth in Exhibit A, has been adopted through the IRWM Plan Review Process, and is/are consistent with Water Code section 10530 et seq.
- 2) TERM OF GRANT AGREEMENT. The term of this Grant Agreement begins April 8, 2020 through final payment plus three (3) years unless otherwise terminated or amended as provided in this Grant Agreement. However, all work shall be completed by June 30, 2025 in accordance with the Schedule as set forth in Exhibit C and no funds may be requested after September 30, 2025.
- 3) GRANT AMOUNT. The maximum amount payable by the State under this Grant Agreement shall not exceed \$12,720,000.
- 4) GRANTEE COST SHARE. The Grantee is required to provide a Local Cost Share (non-state funds) as set forth in Exhibit B (Budget). Local Cost Share may include Eligible Project Costs directly related to Exhibit A incurred after January 1, 2015.
- 5) BASIC CONDITIONS.
  - A. Unless exempt as per the 2019 IRWM Implementation Grant Proposal Solicitation Package, project(s) that are subject to the California Environmental Quality Act (CEQA) including final land purchases, shall not be included in this Agreement until the CEQA process is completed and all permits necessary to begin construction are acquired. Projects providing at least 75% of benefits to a disadvantaged community (DAC), economically distressed area (EDA), and/or Tribe (based on population or geography), or projects implemented by Tribes will be exempt from this requirement.
    - i. Such projects will be included in the Agreement as a placeholder. Placeholder projects are not eligible for grant reimbursement and may not submit invoices to DWR until such time as they are fully included in the Agreement.
    - ii. Placeholder projects that complete CEQA and/or acquire permits (necessary to begin construction) within eighteen (18) months of the agreement execution date will be amended into the agreement. At the end of the eighteen (18)-month term, any placeholder projects that fail to complete CEQA and/or acquire permits will be deleted from the Agreement. The total grant award will be reduced by the amount of the deleted project(s). Replacement projects will not be allowed. Reduced amount will be made available to the respective Funding Area in future funding rounds on a competitive basis. Deleted placeholder projects will not be eligible to receive any grant reimbursement under this Agreement, however, such project could be eligible under the next round of grant solicitation.

- B. The State shall have no obligation to disburse money for the Project(s) under this Grant Agreement until the Grantee has satisfied the following conditions (if applicable):
- i. The Grantee shall demonstrate compliance with all eligibility criteria as set forth on pages 9-11, inclusive, of the 2019 IRWM Implementation Grant Program Guidelines (2019 Guidelines).
  - ii. For the term of this Agreement, the Grantee shall submit Quarterly Progress Reports which must accompany an invoice and all invoice backup documentation (\$0 Invoices are acceptable). The Quarterly Progress Report shall be submitted within 60 days following the end of the calendar quarter (i.e. reports due May 30, August 29, November 29, and March 1) and all other deliverables as required by Paragraph 14, "Submission of Reports" and Exhibit A, "Work Plan".
  - iii. Prior to the commencement of construction or implementation activities, if applicable, the Grantee shall submit the following to the State.
    1. Final plans and specifications certified, signed and stamped by a California Registered Civil Engineer (or equivalent registered professional as appropriate) to certify compliance for each approved project as listed in Exhibit A of this Grant Agreement.
    2. Work that is subject to the California Environmental Quality Act (CEQA) (including final land purchases) shall not proceed under this Grant Agreement until the following actions are performed:
      - a) The Grantee submits to the State all applicable environmental permits , as indicated on the Environmental Information Form to the State,
      - b) Documents that satisfy the CEQA process are received by the State,
      - c) The State has completed its CEQA process as a Responsible Agency, and
      - d) The Grantee receives written notification from the State of concurrence with the Lead Agency's CEQA document(s) and State's notice of verification of environmental permit submittal.
- The State's concurrence of Lead Agency's CEQA documents is fully discretionary and shall constitute a condition precedent to any work (i.e., construction or implementation activities) for which it is required. Once CEQA documentation has been completed, the State will consider the environmental documents and decide whether to continue to fund the project, or to require changes, alterations, or other mitigation. Proceeding with work subject to CEQA prior to the State's concurrence shall constitute a material breach of this Agreement. The Grantee or Local Project Sponsor (LPS) shall also demonstrate that it has complied with all applicable requirements of the National Environmental Policy Act (NEPA) by submitting copies of any environmental documents, including Environmental Impact Statements, Finding of No Significant Impact, mitigation monitoring programs, and environmental permits as may be required prior to beginning construction/ implementation.
- iv. A monitoring plan as required by Paragraph 16, "Monitoring Plan Requirements," if applicable.
- 6) DISBURSEMENT OF FUNDS. The State will disburse to the Grantee the amount approved, subject to the availability of funds through normal State processes. Notwithstanding any other provision of this Grant Agreement, no disbursement shall be required at any time or in any manner which is in violation of, or in conflict with, federal or state laws, rules, or regulations, or which may require any rebates to the federal government, or any loss of tax-free status on state bonds, pursuant to any federal statute or regulation. Any and all money disbursed to the Grantee under this Grant Agreement shall be deposited in a non-interest bearing account and shall be used solely to pay Eligible Project Costs.

- 7) ELIGIBLE PROJECT COST. The Grantee shall apply State funds received only to Eligible Project Costs in accordance with applicable provisions of the law and Exhibit B, “Budget”. Eligible Project Costs include the reasonable costs of studies, engineering, design, land and easement acquisition and associated legal fees, preparation of environmental documentation, environmental mitigations, monitoring, and project construction. Reimbursable administrative expenses are the necessary costs incidental but directly related to the Project included in this Agreement. Costs incurred after the April 7, 2020 may be eligible for reimbursement.

Costs that are not eligible for reimbursement include, but are not limited to, the following items:

- A. Costs, other than those noted above, incurred prior to the award date of this Grant.
  - B. Costs for preparing and filing a grant application.
  - C. Operation and maintenance costs, including post construction performance and monitoring costs.
  - D. Purchase of equipment that is not an integral part of a project.
  - E. Establishing a reserve fund.
  - F. Purchase of water supply.
  - G. Replacement of existing funding sources for ongoing programs.
  - H. Meals, food items, or refreshments.
  - I. Payment of any punitive regulatory agency requirement, federal or state taxes.
  - J. Purchase of land in excess of the minimum required acreage necessary to operate as an integral part of a project, as set forth and detailed by engineering and feasibility studies, or acquisition of land by eminent domain.
  - K. Overhead and Indirect Costs. “Indirect Costs” means those costs that are incurred for a common or joint purpose benefiting more than one cost objective and are not readily assignable to the funded project (i.e., costs that are not directly related to the funded project). Examples of Indirect Costs include, but are not limited to: central service costs; general administration of the Grantee or LPSs; non-project-specific accounting and personnel services performed within the Grantee’s or LPS’ organization; depreciation or use allowances on buildings and equipment; the costs of operating and maintaining non-project-specific facilities; tuition and conference fees; forums, trainings, and seminars; and, generic overhead or markup. This prohibition applies to the Grantee, LPSs, and any subcontract or sub-agreement for work on the Project that will be reimbursed pursuant to this Agreement.
  - L. Mitigation for environmental impacts not resulting from implementation of the Project funded by this program.
- 8) METHOD OF PAYMENT. After the disbursement requirements in Paragraph 5, “Basic Conditions” are met, the State will disburse the whole or portions of State funding to the Grantee, following receipt from the Grantee of an electronic invoice certified and transmitted via electronic/digital signature system (e.g., DocuSign) or via US mail or Express mail delivery of a “wet signature” for costs incurred, including Local Cost Share, and timely Quarterly Progress Reports as required by Paragraph 14, “Submission of Reports.” Payment will be made no more frequently than monthly, in arrears, upon receipt of an invoice bearing the Grant Agreement number. Quarterly Progress Report must accompany an invoice (\$0 Invoices are acceptable) and shall be submitted within 60 days following the end of the calendar quarter (i.e. invoices due May 30, August 29, November 29, and March 1). The State will notify the Grantee, in a timely manner, whenever, upon review of an invoice, the State determines that any portion or portions of the costs claimed are not eligible costs or is not supported by documentation or receipts acceptable to the State. The Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to the State to cure such deficiency(ies). If the Grantee fails to submit adequate documentation curing the deficiency(ies), the State will adjust the pending invoice by the amount of ineligible or unapproved costs.



Invoices submitted by the Grantee shall include the following information:

- A. Costs incurred for work performed in implementing the Project during the period identified in the particular invoice.
- B. Costs incurred for any interests in real property (land or easements) that have been necessarily acquired for a project during the period identified in the particular invoice for the implementation of a project.
- C. Invoices shall be submitted on forms provided by the State and shall meet the following format requirements:
  - i. Invoices shall contain the date of the invoice, either the time period covered by the invoice or the invoice date received within the time period covered, and the total amount due.
  - ii. Invoices shall be itemized based on the categories (i.e., tasks) specified in Exhibit B, "Budget." The amount claimed for salaries/wages/consultant fees shall include a calculation formula (i.e., hours or days worked times the hourly or daily rate = the total amount claimed).
  - iii. One set of sufficient evidence (i.e., receipts, copies of checks, personnel hours' summary table, time sheets) shall be provided for all costs included in the invoice.
  - iv. Each invoice shall clearly delineate those costs claimed for reimbursement from the State's funding amount, as depicted in Paragraph 3, "Grant Amount" and those costs that represent the Grantee's costs, as applicable, in Paragraph 4, "Grantee Cost Share."
  - v. Original signature and date of the Grantee's Project Representative. Submit an electronic invoice, certified and transmitted via electronic/digital signature system (e.g., DocuSign), from authorized representative to the Project Manager or the original "wet signature" copy of the invoice form to the Project Manager at the following address: P.O. Box 942836, Sacramento, California 942836

All invoices submitted shall be accurate and signed under penalty of law. Any and all costs submitted pursuant to this Agreement shall only be for the tasks set forth herein. The Grantee shall not submit any invoice containing costs that are ineligible or have been reimbursed from other funding sources unless required and specifically noted as such (i.e., cost share). Any eligible costs for which the Grantee is seeking reimbursement shall not be reimbursed from any other source. Double or multiple billing for time, services, or any other eligible cost is illegal and constitutes fraud. Any suspected occurrences of fraud, forgery, embezzlement, theft, or any other misuse of public funds may result in suspension of disbursements of grant funds and/or termination of this Agreement requiring the repayment of all funds disbursed hereunder plus interest. Additionally, the State may request an audit pursuant to Paragraph D.5 and refer the matter to the Attorney General's Office or the appropriate district attorney's office for criminal prosecution or the imposition of civil liability. (Civ. Code, §§ 1572-1573; Pen. Code, §§ 470, 487-489.)

- 9) **ADVANCED PAYMENT.** Water Code section 10551 authorizes advanced payment by the State for projects included and implemented in an applicable Integrated Regional Water Management Plan, and when the project proponent is a nonprofit organization; a disadvantaged community (DAC); or the project benefits a DAC. If a project is awarded less than \$1,000,000 in grant funds, the project proponent may receive an advanced payment of fifty (50) percent of the grant award; the remaining fifty (50) percent of the grant award will be reimbursed in arrears after the advanced funds of a budget category have been fully expended. Within ninety (90) calendar days of execution of the Grant Agreement, the Grantee may provide the State an Advanced Payment Request. Advanced Payment Requests received ninety-one (91) calendar days after the execution of this Agreement will not be eligible to receive an advanced payment. The Advanced Payment Request shall contain the following:
  - A. Documentation demonstrating that each Local Project Sponsor (if different from the Grantee, as listed in Exhibit I) was notified about their eligibility to receive an advanced payment and a response from the Local Project Sponsor stating whether it wishes to receive the advanced payment or not.
  - B. If the Grantee is requesting the advanced payment, the request(s) shall include:

- i. Descriptive information of each project with an update on project status
  - ii. The names of the entities that will receive the funding for each project, including, but not limited to, an identification as to whether the project proponent or proponents are nonprofit organizations or a DAC, or whether the project benefits a DAC
  - iii. A detailed Funding Plan which includes how the advanced payment will be expended (in terms of workplan, budget, and schedule) within the timeframe agreed upon by DWR and the Grantee. The Funding Plan must clearly identify the total budget (at Budget Category Level) for each project clearly showing the portion of advanced payment and reimbursement funds.
  - iv. Any other information that DWR may deem necessary
- C. Upon review and approval of the Advanced Payment Request, DWR will authorize payment of the fully requested amount for the qualified project(s). Based on the project's Funding Plan and other considerations, DWR may determine it is not prudent to advance the full request in a single disbursement. In such a case, DWR will develop a "Disbursement Schedule," to disburse funds in installments. This Disbursement Schedule may change based on the project's ongoing compliance with the Advanced Payment requirements and the project's cash flow needs.
- D. Once DWR authorizes the Advanced Payment Request, the Grantee shall submit Advanced Payment Invoice(s) for the initial amount based on the "Disbursement Schedule" on behalf of the LPS(s), containing the request for each qualified project, to the State with signature and date of the Grantee's Project Representative, as indicated in Paragraph 21, "Project Representative." The Grantee shall be responsible for the timely distribution of the advanced funds to the respective LPS(s). The Advanced Payment Invoice(s) shall be submitted on forms provided by the State and shall meet the following format requirements:
- i. Invoice shall contain the date of the invoice, the time period covered by the invoice, and the total amount due.
  - ii. Invoice shall be itemized based on the budget categories specified in Exhibit B, "Budget."
  - iii. The State Project Manager will notify the Grantee, in a timely manner, when, upon review of an Advance Payment Invoice, the State determines that any portion or portions of the costs claimed are not eligible costs. The Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to cure such deficiency(ies).
  - iv. On a quarterly basis, the Grantee will submit an Accountability Report to the State that demonstrates how actual expenditures compare with the scheduled budget. The Accountability Report shall include the following information:
    - 1. An itemization of how advanced funds have been spent to-date (Expenditure Report), including documentation that supports the disbursements (e.g., contractor invoices, receipts, personnel hours, etc.). Accountability Reports shall be itemized based on the budget categories (i.e., tasks) specified in Exhibit B.
    - 2. An updated Accountability Report including an updated Funding Plan that depicts how the remaining advanced funds will be expended and the activities and deliverables associated with the advanced funds within the timeframe agreed upon by DWR and the Grantee when the advanced payment request was approved.
    - 3. Documentation that the funds were placed in a non-interest bearing account, including the dates of deposits and withdrawals from that account.
    - 4. Proof of distribution of advanced funds to LPS(s), if applicable.
  - v. The State's Project Manager will notify the Grantee, in a timely manner, when, upon review of the Accountability Report, the State determines that any portion of the expenditures claimed are not eligible costs. The Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to cure such deficiency(ies). If costs are not consistent

with the tasks in Exhibit A, the State will reject the claim and remove them from the Accountability Report.

- E. Once the Grantee has spent all advanced funds in a budget category, then the method of payment will revert to the reimbursement process for that budget category specified in Paragraph 8, "Method of Payment for Reimbursement."

10) REPAYMENT OF ADVANCES. The State may demand repayment from the Grantee of all or any portion of the advanced State funding along with interest at the California general obligation bond interest rate at the time the State notifies the Grantee, as directed by the State, and take any other action that it deems necessary to protect its interests for the following conditions:

- A. A project is not being implemented in accordance with the provisions of the Grant Agreement.
- B. The Grantee has failed in any other respect to comply with the provisions of this Grant Agreement, and if the Grantee does not remedy any such failure to the State's satisfaction.
- C. Failure by the Grantee to submit complete and accurate quarterly Accountability Reports by the required due dates, unless otherwise approved by DWR.
- D. Failure to deposit funds in a non-interest-bearing account.
- E. Use of Advance Payment funds for ineligible expenses and/or activities not consistent with this Agreement.
- F. Inappropriate use of funds, as deemed by DWR.
- G. Repayment amounts may also include:
  - i. Actual costs incurred which are not consistent with the activities presented in Exhibit A, not supported, or are ineligible.
  - ii. Advanced funds which are not fully expended by project completion, notwithstanding Water Code section 10551(c)(4). Unused grant funds shall be returned to DWR within sixty (60) calendar days.

Any repayment of advanced funds may consist of reducing the amount from future reimbursement invoices. The State may consider the Grantee's refusal to repay the requested advanced amount a material breach of this Agreement subject to the default provisions in Paragraph 12, "Default Provisions." If the State notifies the Grantee of its decision to demand repayment or withhold the entire funding amount from the Grantee pursuant to this Paragraph, this Grant Agreement shall terminate upon receipt of such notice by the Grantee and the State shall no longer be required to provide funds under this Agreement.

11) WITHHOLDING OF DISBURSEMENTS BY THE STATE. If the State determines that a project is not being implemented in accordance with the provisions of this Grant Agreement, or that the Grantee has failed in any other respect to comply with the provisions of this Grant Agreement, and if the Grantee does not remedy any such failure to the State's satisfaction, the State may withhold from the Grantee all or any portion of the State funding and take any other action that it deems necessary to protect its interests. Where a portion of the State funding has been disbursed to the Grantee and the State notifies the Grantee of its decision not to release funds that have been withheld pursuant to Paragraph 12, "Default Provisions," the portion that has been disbursed shall thereafter be repaid immediately with interest at the California general obligation bond interest rate at the time the State notifies the Grantee, as directed by the State. The State may consider the Grantee's refusal to repay the requested disbursed amount a material breach subject to the default provisions in Paragraph 12, "Default Provisions." If the State notifies the Grantee of its decision to withhold the entire funding amount from the Grantee pursuant to this Paragraph, this Grant Agreement shall terminate upon receipt of such notice by the Grantee and the State shall no longer be required to provide funds under this Grant Agreement and the Grant Agreement shall no longer be binding on either party.

12) DEFAULT PROVISIONS. The Grantee shall be in default under this Grant Agreement if any of the following occur:

- A. Substantial breaches of this Grant Agreement, or any supplement or amendment to it, or any other agreement between the Grantee and the State evidencing or securing the Grantee's obligations;
- B. Making any false warranty, representation, or statement with respect to this Grant Agreement or the application filed to obtain this Grant Agreement;
- C. Failure to operate or maintain the Project in accordance with this Grant Agreement.
- D. Failure to make any remittance required by this Grant Agreement, including any remittance recommended as the result of an audit conducted pursuant to Paragraph D.5.
- E. Failure to submit quarterly progress reports pursuant to Paragraph 5.
- F. Failure to routinely invoice the State pursuant to Paragraph 8.
- G. Failure to meet any of the requirements set forth in Paragraph 13, "Continuing Eligibility."

Should an event of default occur, the State shall provide a notice of default to the Grantee and shall give the Grantee at least ten (10) calendar days to cure the default from the date the notice is sent via first-class mail to the Grantee. If the Grantee fails to cure the default within the time prescribed by the State, the State may do any of the following:

- A. Declare the funding be immediately repaid, with interest, which shall be equal to State of California general obligation bond interest rate in effect at the time of the default.
- B. Terminate any obligation to make future payments to the Grantee.
- C. Terminate the Grant Agreement.
- D. Take any other action that it deems necessary to protect its interests.

In the event the State finds it necessary to enforce this provision of this Grant Agreement in the manner provided by law, the Grantee agrees to pay all costs incurred by the State including, but not limited to, reasonable attorneys' fees, legal expenses, and costs.

13) CONTINUING ELIGIBILITY. The Grantee shall meet the following ongoing requirement(s) and all eligibility criteria outlined in the 2019 Guidelines to remain eligible to receive State funds:

- A. An urban water supplier that receives grant funds pursuant to this Agreement shall maintain compliance with the Urban Water Management Planning Act (UWMP; Wat. Code, § 10610 et seq.) and Sustainable Water Use and Demand Reduction (Wat. Code, § 10608 et seq.) as set forth on page 11 of the 2019 Guidelines, and as stated on page 22 of the Proposal Solicitation Package.
- B. An agricultural water supplier receiving grant funds shall comply with Sustainable Water Use and Demand Reduction requirements outlined in Water Code section 10608, et seq. and have their Agricultural Water Management Plan (AWMP) deemed consistent by DWR. To maintain eligibility and continue funding disbursements, an agricultural water supply shall have their 2015 AWMP identified on the State's website. For more information, visit the website listed in Appendix A in the 2019 Guidelines.
- C. A surface water diverter receiving grant funds shall maintain compliance with diversion reporting requirements as outlined in Water Code section 5100 et. seq.
- D. If applicable, the Grantee shall demonstrate compliance with the Sustainable Groundwater Management Act (SGMA) set forth on page 10 of the 2019 Guidelines.
- E. If the Grantee has been designated as a monitoring entity under the California Statewide Groundwater Elevation Monitoring (CASGEM) Program, the Grantee shall maintain reporting compliance, as required by Water Code section 10932 and the CASGEM Program.
- F. The Grantee shall adhere to the protocols developed pursuant to The Open and Transparent Water Data Act (Wat. Code, § 12406, et seq.) for data sharing, transparency, documentation, and quality control.

- 14) SUBMISSION OF REPORTS. The submittal and approval of all reports is a requirement for the successful completion of this Grant Agreement. Reports shall meet generally accepted professional standards for technical reporting and shall be proofread for content, numerical accuracy, spelling, and grammar prior to submittal to the State. All reports shall be submitted to the State's Project Manager and shall be submitted via the DWR "Grant Review and Tracking System" (GRanTS). If requested, the Grantee shall promptly provide any additional information deemed necessary by the State for the approval of reports. Reports shall be presented in the formats described in the applicable portion of Exhibit F, "Report Formats and Requirements." The timely submittal of reports is a requirement for initial and continued disbursement of State funds. Submittal and subsequent approval by the State of a Project Completion Report is a requirement for the release of any funds retained for such project.
- A. Quarterly Progress Reports: The Grantee shall submit quarterly Progress Reports to meet the State's requirement for disbursement of funds. Progress Reports shall be uploaded via GRanTS, and the State's Project Manager notified of upload. Progress Reports shall, in part, provide a brief description of the work performed, the Grantee's activities, milestones achieved, any accomplishments and any problems encountered in the performance of the work under this Grant Agreement during the reporting period. The first Progress Report must accompany an invoice (\$0 Invoices are acceptable) and shall be submitted within 60 days following the end of the calendar quarter (i.e. invoices due May 30, August 29, November 29, and March 1).
  - B. Accountability Report: The Grantee shall prepare and submit to the State an Accountability Report on a quarterly basis if the Grantee received an advanced payment, consistent with the provisions in Paragraph 9, "Advanced Payment."
  - C. Project Completion Report: The Grantee shall prepare and submit to the State a separate Project Completion Report for each project included in Exhibit A. The Grantee shall submit a Project Completion Report (or a Component Completion Report, if a Project has multiple Components) within ninety (90) calendar days of Project/Component completion as outlined in Exhibit F.
  - D. Grant Completion Report: Upon completion of all the Projects included in Exhibit A, the Grantee shall submit to the State a Grant Completion Report. The Grant Completion Report shall be submitted within ninety (90) calendar days of submitting the Completion Report for the final project to be completed under this Grant Agreement, as outlined in Exhibits A, and F. Retention for any grant administration line items in the Budget of this Grant Agreement will not be disbursed until the Grant Completion Report is approved by the State.
  - E. Post-Performance Reports: The Grantee shall prepare and submit to the State Post-Performance Reports for the applicable project(s). Post-Performance Reports shall be submitted to the State within ninety (90) calendar days after the first operational year of a project has elapsed. This record keeping and reporting process shall be repeated annually for a total of three (3) years after the project begins operation.
- 15) OPERATION AND MAINTENANCE OF PROJECT. For the useful life of construction and implementation projects and in consideration of the funding made by the State, the Grantee agrees to ensure or cause to be performed the commencement and continued operation of the project, and shall ensure or cause the project to be operated in an efficient and economical manner; shall ensure all repairs, renewals, and replacements necessary to the efficient operation of the same are provided; and shall ensure or cause the same to be maintained in as good and efficient condition as upon its construction, ordinary and reasonable wear and depreciation excepted. The State shall not be liable for any cost of such maintenance, management, or operation. The Grantee or their successors may, with the written approval of the State, transfer this responsibility to use, manage, and maintain the property. For purposes of this Grant Agreement, "useful life" means period during which an asset, property, or activity is expected to be usable for the purpose it was acquired or implemented; "operation costs" include direct costs incurred for material and labor needed for operations, utilities, insurance, and similar expenses, and "maintenance costs" include ordinary repairs and replacements of a recurring nature necessary for capital assets and basic structures and the expenditure of funds necessary to replace or reconstruct capital assets or basic structures. Refusal by the Grantee to ensure operation and maintenance of the projects in accordance

with this provision may, at the option of the State, be considered a breach of this Grant Agreement and may be treated as default under Paragraph 12, “Default Provisions.”

- 16) MONITORING PLAN REQUIREMENTS. A Monitoring Plan shall be submitted to the State prior to disbursement of State funds for construction or monitoring activities. The Monitoring Plan should incorporate Post-Performance Monitoring Report requirements as defined and listed in Exhibit F, and follow the guidance provided in Exhibit L, “Project Monitoring Plan Guidance.”
- 17) STATEWIDE MONITORING REQUIREMENTS. The Grantee shall ensure that all groundwater projects and projects that include groundwater monitoring requirements are consistent with the Groundwater Quality Monitoring Act of 2001 (Water Code § 10780 et seq.) and, where applicable, that projects that affect water quality shall include a monitoring component that allows the integration of data into statewide monitoring efforts, including where applicable, the Surface Water Ambient Monitoring Program carried out by the State Water Resources Control Board. See Exhibit G for web links and information regarding other State monitoring and data reporting requirements.
- 18) NOTIFICATION OF STATE. The Grantee shall promptly notify the State, in writing, of the following items:
  - A. Events or proposed changes that could affect the scope, budget, or work performed under this Grant Agreement. The Grantee agrees that no substantial change in the scope of a project will be undertaken until written notice of the proposed change has been provided to the State and the State has given written approval for such change. Substantial changes generally include changes to the scope of work, schedule or term, and budget.
  - B. Any public or media event publicizing the accomplishments and/or results of this Grant Agreement and provide the opportunity for attendance and participation by the State’s representatives. The Grantee shall make such notification at least fourteen (14) calendar days prior to the event.
  - C. Discovery of any potential archaeological or historical resource. Should a potential archaeological or historical resource be discovered during construction, the Grantee agrees that all work in the area of the find shall cease until a qualified archaeologist has evaluated the situation and made recommendations regarding preservation of the resource, and the State has determined what actions should be taken to protect and preserve the resource. The Grantee agrees to implement appropriate actions as directed by the State.
  - D. The initiation of any litigation or the threat of litigation against the Grantee or an LPS regarding the Project or which may affect the Project in any way.
  - E. Applicable to construction projects only: Final inspection of the completed work on a project by a Registered Professional (Civil Engineer, Engineering Geologist, or other State approved certified/licensed Professional), in accordance with Exhibit D. The Grantee shall notify the State’s Project Manager of the inspection date at least fourteen (14) calendar days prior to the inspection in order to provide the State the opportunity to participate in the inspection.
- 19) NOTICES. Any notice, demand, request, consent, or approval that either party desires or is required to give to the other party under this Grant Agreement shall be in writing. Notices may be transmitted by any of the following means:
  - A. By delivery in person.
  - B. By certified U.S. mail, return receipt requested, postage prepaid.
  - C. By “overnight” delivery service; provided that next-business-day delivery is requested by the sender.
  - D. By electronic means.
  - E. Notices delivered in person will be deemed effective immediately on receipt (or refusal of delivery or receipt). Notices sent by certified mail will be deemed effective given ten (10) calendar days after the date deposited with the U.S. Postal Service. Notices sent by overnight delivery service will be deemed effective one business day after the date deposited with the delivery service. Notices sent electronically will be effective on the date of transmission, which is documented in writing. Notices

shall be sent to the addresses listed below. Either party may, by written notice to the other, designate a different address that shall be substituted for the one below.

- 20) PERFORMANCE EVALUATION. Upon completion of this Grant Agreement, the Grantee's performance will be evaluated by the State and a copy of the evaluation will be placed in the State file and a copy sent to the Grantee.
- 21) PROJECT REPRESENTATIVES. The Project Representatives during the term of this Grant Agreement are as follows:

Department of Water Resources

Arthur Hinojosa  
Chief, Division of Regional Assistance  
P.O. Box 942836  
Sacramento, CA 94236-0001  
Phone: (916) 653-4736  
Email: Arthur.Hinojosa@water.ca.gov

Humboldt County

Thomas K. Mattson  
Director, Public Works Department  
1106 2<sup>nd</sup> Street  
Eureka, CA 95501  
Phone: (707) 268-2666  
Email: tmattson@co.humboldt.ca.us

Direct all inquiries to the Project Manager:

Department of Water Resources

Eric Martinez  
Water Resources Engineer  
P.O. Box 942836  
Sacramento, California 942836  
Phone: (916) 902-7006  
Email: eric.martinez@water.ca.gov

Humboldt County

Denise Monday  
Senior Environmental Analyst  
1106 2<sup>nd</sup> Street  
Eureka, California 95501  
Phone: (707) 267-9540  
Email: DMonday@co.humboldt.ca.us

Either party may change its Project Representative or Project Manager upon written notice to the other party.

22) STANDARD PROVISIONS. This Grant Agreement is complete and is the final Agreement between the parties. The following Exhibits are attached and made a part of this Grant Agreement by this reference:

Exhibit A – Work Plan

Exhibit B – Budget

Exhibit C – Schedule

Exhibit D – Standard Conditions

Exhibit E – Authorizing Resolution

Exhibit F – Report Formats and Requirements

Exhibit G – Requirements for Data Submittal

Exhibit H – State Audit Document Requirements for the Grantee

Exhibit I – Local Project Sponsors and Project Locations

Exhibit J – Appraisal Specifications

Exhibit K – Information Needed for Escrow Processing and Closure

Exhibit L – Project Monitoring Plan Guidance

IN WITNESS WHEREOF, the parties hereto have executed this Grant Agreement.

STATE OF CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

COUNTY OF HUMBOLDT



Arthur Hinojosa  
Chief, Division of Regional Assistance



Thomas K. Mattson  
Director of Public Works

Date 12/11/2020

Date 12/11/2020



**EXHIBIT A**

**WORK PLAN**

**PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT**

**Grant Administration**

**IMPLEMENTING AGENCY: Humboldt County**

**DESCRIPTION:** The Regional Water Management Group authorized Humboldt County to act as the applicant and the Grantee for the Proposition 1, Round 1 IRWM Implementation Grant. Humboldt County will administer these funds and respond to DWR's reporting and compliance requirements associated with the grant administration. This office will act in a coordination role: disseminating grant compliance information to the project managers responsible for implementing the projects contained in this agreement, obtaining and retaining evidence of compliance (e.g., CEQA/NEPA documents, reports, monitoring compliance documents, labor requirements, etc.), obtaining data for progress reports from individual project managers, assembling and submitting progress reports to the State, coordinating all invoicing and payment of invoices, and provide project status updates to North Coast Regional Partnership (NCRP) leadership at quarterly meetings, attend staff meetings, and provide project information to working groups, as necessary.

**Task 1 Budget Category (a): Project Administration**

Task 1.A: Agreement Administration

Humboldt County will respond to DWR's reporting and compliance requirements associated with the grant administration and will coordinate with the project managers responsible for implementing the projects contained in this agreement.

Task 1.B: Invoicing

Humboldt County will be responsible for compiling invoices for submittal to DWR. This includes collecting invoice documentation from each of the Local Project Sponsors and compiling the information into a DWR Invoice Packet.

**Deliverables:**

- Invoices and associated backup documentation
- Advanced Payment documentation as per Paragraph 9 (if applicable)

Task 1.C: Reporting

Humboldt County will be responsible for compiling progress reports for submittal to DWR. Humboldt County will coordinate with Local Project Sponsor staff to retain consultants as needed to prepare and submit progress reports and final project completion reports for each project, as well as the grant completion report.

Reports will meet generally accepted professional standards for technical reporting and the requirements terms of the agreement with DWR outlined in Exhibit F of this Agreement. For example, progress reports will explain the status of each project and will include the following information: summary of the work completed for the project during the reporting period; activities and milestones achieved; and accomplishments and any problems encountered in the performance of work. Project completion reports will include: documentation of actual work done, changes and amendments to each project, a final schedule showing actual progress versus planned progress, and copies of final documents and reports generated during the project.

**Deliverables:**

- Quarterly Progress Reports

- Grant Completion Report

## **PROJECT 1: Water Storage Project**

### **IMPLEMENTING AGENCY: Blue Lake Rancheria (BLR)**

**PROJECT DESCRIPTION:** Blue Lake Rancheria (BLR) will construct a concrete pad and install approximately 250,000 gallons of water storage capacity steel tank with necessary water and power connections to complete its water distribution system, partially funded through a 2017 Bureau of Reclamation (BOR) WaterSMART grant and an American Recovery and Reinvestment Act of 2009 (ARRA)-funded groundwater well. This water storage project, as a component of the larger Smart Water Grid project, will help insure an uninterrupted and affordable water supply for the BLR. The project will provide approximately 21.5-acre feet per year of storage for the BLR.

### **Task 1.1 Budget Category (a): Project Administration**

#### Task 1.1.A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 1.1.B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports. Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. Prepare Report addressing Humboldt County/DWRs comments. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 1.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 1.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 1.3.A: Feasibility Studies

Project Feasibility Studies and an engineering report will be completed as part of the project development process. Feasibility study will be limited to determination of feasibility of location for water tank in conjunction with other planned construction on BLR Tribal Lands.

#### **Deliverables:**

- Feasibility Study Report
- Engineering Report

#### Task 1.3.B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA and NEPA documents as required
- Legal Challenges Letter

**Task 1.3.C: Permitting**

No permits are anticipated.

**Task 1.3.D: Design**

Complete preliminary design including the following supporting work: geotechnical investigation, topographic survey, and basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary earthwork calculations, preliminary design details for tank foundation, preliminary design details for and 100% (Final) design, plans, and specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 1.3.E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 1.4 Budget Category (d): Construction/Implementation**

**Task 1.4.A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

**Task 1.4.B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Perform project monitoring according to the Project Performance Monitoring Plan to track project performance and project benefits. Project monitoring reporting will be included minimally as part of the Project Completion Report.

**Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 1.4.C: Construction

Construction activities are outlined below.

1.4.C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Site will be cleared and all needed materials will be staged as needed. Design and install a DWR Acknowledgement Sign in an appropriate location

1.4.C(ii): Construction: Construct a concrete pad. Using engineered foundation designs appropriate for selected water tank, construct concrete pad. To be completed by selected contractor after advertised to bid following BLR's procurement procedures.

1.4.C(iii): Installation: Install one 250,000 gallon bolted steel tank. To be completed by selected contractor after advertised to bid following BLR's procurement procedures.

1.4.C(iv): Installation: Water and power connections will be completed in-house by BLR's construction team.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 2: Water Supply Enhancement Project**

### **IMPLEMENTING AGENCY: BriceLand Community Services District (BCSD)**

**PROJECT DESCRIPTION:** Major components of the project include: a 25,000 gal raw water tank plumbed to supply water to both the water treatment system and storage tanks; 2,200 ft of 6-inch diameter water line connecting the fire suppression water storage tanks to the town fire hydrant network; water transmission line improvements including mechanical float, gate, pressure and air relief valves, pressure gauges, flow meters; site fencing for the slow sand filtration and water storage facilities; a low water level and high flow alarm system; a 140 square foot (approximately) structure to house the new alarm system/equipment; and a flow controlled chlorine injector.

The benefits of the project include: Reduced water shortages; increased water supply reliability, and enhanced firefighting capabilities by increased water storage volume to 43,000 gallons.

### **Task 2.1 Budget Category (a): Project Administration**

#### Task 2.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 2.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to Humboldt County for review and inclusion in a progress report to be submitted to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 2.2 Budget Category (b): Land Purchase/Easement**

#### Task 2.2A: Land Purchase

The new raw water storage tank included as part of this proposed project will be sited on a nearby property (requiring the purchase of approximately 0.5 – 1 acres of land).

#### **Deliverables:**

- Documentation supporting property value (if purchased)
- All relevant documentation regarding property ownership transfer or acquisition of easement including final recorded deed, title report, etc.

### **Task 2.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 2.3A: Feasibility Studies – Not applicable

### Task 2.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

### Task 2.3C: Permitting

All appropriate permits shall be secured for the project from the local and regional agencies having jurisdiction over the project, which may include: Humboldt County building and grading permits, and CDFW 1602 permit.

#### **Deliverables:**

- Permits as required

### Task 2.3D: Design

Develop a set of final design plans and specifications.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

### Task 2.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

## **Task 2.4 Budget Category (d): Construction/Implementation**

### Task 2.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

### Task 2.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Throughout the duration of the project, BCSD will perform project monitoring according to the

Project Performance Monitoring Plan to track project performance and project benefits, which will be included as part of the Project Completion Report.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 2.4C: Construction**

Construction activities are outlined below.

2.4C(i): Mobilization and Site preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

2.4C(ii): Install, construct, excavate: The selected contractor will complete the following activities: site exclusion fencing; temporary signage; erosion control; clearing and grubbing; site grading; installation of approximately 2,200 site piping; tank foundation construction; 25,000 gallon tank erection; tank disinfection and installation of cathodic protection; new system controls and valving; water transmission line upgrades; construction of control and operations building; fence the water treatment site; design and install a DWR Acknowledgement Sign in an appropriate location.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 3: California Street Sewer Replacement**

### **IMPLEMENTING AGENCY: City of Ferndale**

**PROJECT DESCRIPTION:** The City replaced a small portion of the sewer section on California Street in 2017, this project will replace approximately 1,600 feet of the remaining sewer mains and laterals to the property line of the residences. Add two manholes and bollards to protect manholes on California Street. The project will reduce the inflow and infiltration entering the system by approximately 80,000 to 100,000 gallons per day (GPD).

### **Task 3.1 Budget Category (a): Project Administration**

#### Task 3.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 3.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 3. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 3.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 3.3A: Feasibility Studies – Not applicable

#### Task 3.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 3.3C: Permitting

Obtain County Encroachment Permit.

#### **Deliverables:**

- Permits as required

#### Task 3.3D: Design

Complete site survey and preliminary design including the basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary design details for and 100% (Final) design, plans, and specifications.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 3.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 3.4 Budget Category (d): Construction/Implementation**

#### Task 3.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 3.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 3.4C: Construction

Construction activities are outlined below.

3.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Inspect project components and establish that work is complete. Verify that all project

components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

3.4C(ii): Site preparation will include: Design and install DWR acknowledgement project sign at an appropriate location.

3.4C(iii): Install, construct, excavate: Install approximately 1,600-feet of 12-inch sewer, two manholes, and bollards to protect manholes.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

**IMPLEMENTING AGENCY:** City of Willits

**PROJECT DESCRIPTION:** The project will replace a 30 horsepower (hp) pump in the primary “Elias Replacement” Well with a 70 hp pump to increase water capacity to approximately 1.9 million gallons per day (MGD). The 30 hp pump and controls will be re-installed in the secondary “Long 20” Well. Both pumps will include installation of upgraded power supplies. Approximately 3,650-feet of pipe connecting the wells to the treatment plant will be upgraded. With both wells running through the water treatment plant there will be approximately 192,000 gallon per day increase in water capacity to the distribution system.

### **Task 4.1 Budget Category (a): Project Administration**

#### Task 4.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 4.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager’s comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 4.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 4.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 4.3A: Feasibility Studies – Not applicable

#### Task 4.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 4.3C: Permitting

Obtain necessary permits which may include: Regional Water Board 401 Certification and US Army Corps of Engineers 404 Certification.

**Deliverables:**

- Permits as required

**Task 4.3D: Design**

Develop final plans for pipeline replacement and connection to Long 20 Well.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 4.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 4.4 Budget Category (d): Construction/Implementation**

**Task 4.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 4.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 4.4C: Construction**

Construction activities are outlined below.

4.4C(i): Mobilization, Site preparation, and Demobilization: Initiate project site preparation and mobilize project: perform preparatory work and operations including that necessary for the movement of personnel,

equipment, supplies, and videotaping, specific shop drawing submittals, and incidentals to the project site. Establish any temporary facilities and the submission of the final construction schedule. Order project equipment and supplies assure project permits are in place and conduct pre-project site photo-monitoring. Design and install DWR acknowledgement sign at an appropriate location.

4.4C(ii): Pilot Testing: Conduct pilot tests to determine the current groundwater treatment plant's capacity to remove arsenic from the Long 20 well.

4.4C(iii): Install, construct, excavate: The 30-hp pump and controls from the Elias Replacement Well will be moved to the Long 20 Well. A 70-hp pump would then be installed at the Elias Replacement Well. Both pumps will include upgraded power supplies. The pipeline replacement consists of excavation of an estimated 3,650-foot trench for the new pipeline, installation of an estimated 8-inch C900 PVC pipe from the junction with the existing 8-inch pipeline at the North End of the pond to the Elias Replacement well, with inclusion of a "T" junction for a pipeline to Long 20 Well, and construction of valve stations at the each end and the "T" junction, followed by backfill and compaction of the populated trench.

**Deliverables:**

- Pilot Testing Technical Memorandum
- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 5: Covelo Community Services District, Collection System and Wastewater Treatment Plant Improvements**

**IMPLEMENTING AGENCY:** Covelo Community Services District (CCSD)

**PROJECT DESCRIPTION:** The Covelo CSD Collection System and Wastewater Treatment Plant (WWTP) Improvements project aims to reduce approximately 0.144 million gallons per day (MGD) of wet weather Inflow & Infiltration by upgrading the existing wastewater collection system. The project includes replacement of approximately 727 Linear Feet of sewer mains, approximately 16 laterals and 2 manholes. The project also includes a new enclosure for ozone equipment. On top of the new enclosure the project will include solar panels that will be designed to provide all the power the WWTP requires on an average day.

### **Task 5.1 Budget Category (a): Project Administration**

#### Task 5.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 5.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 5.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 5.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 5.3A: Feasibility Studies – Not applicable

#### Task 5.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 5.3C: Permitting

Tasks may include: Preparation of Building and Electrical Permits, which will need to be acquired from Mendocino County for the ozone canopy and addition of solar. Prepare Caltrans Encroachment Permit.

**Deliverables:**

- Permits as required

**Task 5.3D: Design**

Engineer to prepare 100% bid ready Plans and Specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 5.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 5.4 Budget Category (d): Construction/Implementation**

**Task 5.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 5.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 5.4C: Construction**

Construction activities are outlined below.

5.4C(i): Equipment mobilization; site preparation, including: clearing, grubbing, minor site grading, and erosion control. Temporary signage



5.4C(ii): Install, construct, excavate: Replacement of collection system sections and components in various priority areas; new canopy and solar over existing ozone equipment. Replace approximately 727 Linear Feet sewer main lines, approximately 16 laterals, replace 2 manholes and seal around the pipe penetrations on approximately 2 other existing manholes.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

### **IMPLEMENTING AGENCY: Del Norte County Service Area (CSA) No. 1**

**PROJECT DESCRIPTION:** Install onsite emergency power (generator) on approximately eleven lift stations; each generator will be structurally reinforced, protected to withstand weather, vandalism, and supplied with a fuel tank and an automated switch to respond to power failures. Each of the generators will be connected to the new SCADA (remote monitoring) system, reducing the potential for sanitary sewer overflows during power outages and providing water service without disruption for approximately 3,500 single-family connections.

#### **Task 6.1 Budget Category (a): Project Administration**

##### Task 6.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

##### **Deliverables:**

- Invoices and associated backup documentation

##### Task 6.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

##### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

#### **Task 6.2 Budget Category (b): Land Purchase/Easement**

Not applicable

#### **Task 6.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

##### Task 6.3A: Feasibility Studies – Not applicable

##### Task 6.3B: CEQA Documentation

A Notice of Exemption was filed on February 19, 2019. Prepare letter stating no legal challenges (or addressing legal challenges).

##### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

##### Task 6.3C: Permitting

A Building Permit is required from the Building Inspection Division of the County of Del Norte. The Building Permit will include the generator building, electrical connections and transfer switch, propane tank and connections, and mounting each generator at each station.

**Deliverables:**

- Permits as required

Task 6.3D: Design

Develop plans and specifications for the structures to protect generators, generators, and fuel sources at each lift station and/or portable generator storage building.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 6.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 6.4 Budget Category (d): Construction/Implementation**

Task 6.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. Bid project to obtain construction contractor(s). CSA may desire to split the project into three construction contracts: (1) generator structures, (2) fuel source, (3) generators and transfer switches.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 6.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

Task 6.4C: Construction

Construction activities are outlined below.

6.4C(i): Mobilization, Site preparation and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Project will be at approximately 11 lift station locations; the same DWR acknowledgement sign may be moved amongst all locations.

6.4C(ii): Install, construct: Construct up to 11 generator structures (one at each lift station) and rehabilitate portable generator storage building on APN 120-280-011, as funding allows. Install up to 11 generators and 11 transfer switches (one at each lift station) and/or purchase portable generators, as funding allows.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

### **IMPLEMENTING AGENCY: Eel River Watershed Improvement Group (ERWIG)**

**PROJECT DESCRIPTION:** This project will increase salmonid habitat in Kenny Creek through the instream placement of approximately 28 Large Woody Debris (LWD) structures along an approximately 1.1 miles long stream reach. The project will be accomplished by purchasing logs and uprooting trees with rootwads from areas in which the stream canopy will not be affected. Logs and logs with rootwads will be placed by an excavator. After log placement, the California Conservation Corps (CCC) will anchor the logs to live trees and to each other. Upon construction completion, all exposed soil will be mulched and 400 conifer seedlings will be planted. All work will be supervised by the ERWIG project manager. This project will result in a dramatic increase in suitable habitat for salmonids. Habitat improvements include velocity refugia, increased shelter, deeper pools, and increased spawning habitat. This project will also result in a long-term increase in carbon sequestration with the planting of 400 conifers. This project's primary benefit is approximately 3.28 acres of habitat restoration.

### **Task 7.1 Budget Category (a): Project Administration**

#### Task 7.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 7.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 7.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 7.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 7.3A: Feasibility Studies – Not applicable

#### Task 7.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required

- Legal Challenges Letter

#### Task 7.3C: Permitting

Submit an LSAA application to CDFW, pay required fee. Work with the Regional Water Quality Control Board and Army Corp of Engineers to obtain 401 certification and 404 permits.

#### **Deliverables:**

- Permits as required

#### Task 7.3D: Design

Create final design plans based on existing conditions in year of construction.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 7.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 7.4 Budget Category (d): Construction/Implementation**

#### Task 7.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents as required

#### Task 7.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

#### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 7.4C: Construction

Construction activities are outlined below.

7.4C(i): Prepare Site and Mobilize Project: Initiate project site preparation; assure project permits are in place; remove fish from excavator crossing; conduct pre-project site photo-monitoring. Design, purchase and install DWR acknowledgement sign at project site.

7.4C(ii): Tool & Material Purchasing: Purchase materials for project, including, but not limited to: anchoring tools, anchoring hardware, logs and field supplies. Landowner will donate approximately 70 logs to the project. ERWIG will donate rebar, nuts and plates.

7.4C(iii): Install, construct, excavate: Site construction of 28 LWD structures will begin with wood placement by excavator. When appropriate, a tree faller will selectively cut down trees from the riparian area to fall into the creek. Move LWD into position using a grip hoist come along. Use one-inch threaded rebar to anchor logs to mature riparian trees, and each other. Conduct photo monitoring of construction.

7.4C(iv): Improve: Purchase and plant 400 conifers; mulch exposed soil.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 8: Fieldbrook Glendale Community Services District Water Tank Seismic Retrofit Project**

**IMPLEMENTING AGENCY: Fieldbrook Glendale Community Services District (FGCSD)**

**PROJECT DESCRIPTION:** The Project will replace an existing redwood tank with a new 400,000 gallon bolted steel water tank. The new tank would be constructed to modern seismic standards, including ASCE 7 code for a critical facility. This Project will eliminate the risk of the tank and foundation failing and the associated damage and loss of water, wastewater, and fire service. The project will provide 400,000 gallons of increased water supply reliability.

### **Task 8.1 Budget Category (a): Project Administration**

#### Task 8.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 8.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 8. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 8.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 8.3A: Feasibility Studies – Not applicable

#### Task 8.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 8.3C: Permitting

The only permit anticipated for this project is a grading permit. Under this task, the District will develop the application package and submit to the County.



**Deliverables:**

- Permit(s) as required

Task 8.3D: Design

Complete geotechnical investigations, and surveying. Complete final engineering design.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 8.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 8.4 Budget Category (d): Construction/Implementation**

Task 8.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 8.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

**Deliverables:**

- Certificate of Completion
- Record Drawings

Task 8.4C: Construction

Construction activities are outlined below.

8.4C(i): Mobilization and Demobilization: Equipment mobilization, clearing, grubbing, minor site grading, erosion control. Install temporary signage and develop and enforce a traffic control plan.

8.4C(ii): Install, construct: Installation of site piping, tank foundation construction, 400,000 gallon tank erection, tank disinfection and installation of cathodic protection and telemetry. Water tank shop drawing approval, manufacture, and delivery.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

**IMPLEMENTING AGENCY: Gold Ridge Resource Conservation District (GRRCD)**

**PROJECT DESCRIPTION:** Through a partnership this project will develop and implement a pilot rebate and training program to promote household-level water storage through rainwater catchment. Partners will assist rebate applicants with onsite project scoping, system design, implementation oversight, and system verification and monitoring, with barrel rebates provided on a tiered, per-gallon basis designed to incentivize both large and small systems, anticipated to facilitate construction of approximately 30-60 small (<2,500-gallon) and 10-20 large (>2,500 gallon) systems during this pilot phase. Additional construction of rainwater catchment systems will be completed through cost share sources. Actual breakdown of rebates between small and large systems will depend on program participation. The partners will also create and promote a training module through the Qualified Water-Efficient Landscapers (QWEL) program, in both English and Spanish, anticipated to conduct trainings to certify approximately 30 licensed landscapers in rainwater catchment permitting, design, and installation. A second workshop series will target approximately 40 participants, providing instruction and technical assistance to assist residents and/or small businesses to install smaller barrel systems on their own. This project will increase water supply reliability by approximately 100,000 gallons per year and increase instream flow for environmental purposes.

### **Task 9.1 Budget Category (a): Project Administration**

#### Task 9.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 9.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 9.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 9.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 9.3A: Project Outreach

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.

#### Task 9.3B: QWEL Rainwater Training Module Development

Develop and produce a bi-lingual training module to certify licensed landscapers through the Qualified Water Efficient Landscaping Program on the design and installation of rainwater catchment systems.

**Deliverables:**

- Copy of module

Task 9.3C: CEQA Documentation

Submitted a Notice of Exemption to the State Clearinghouse and County of Sonoma Clerk on July 30, 2020. Submitted a letter stating no legal challenges (or addressing legal challenges) on September 9, 2020.

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 9.3D: Permitting

- No permits required.

Task 9.3E: Design

Provide technical assistance and develop designs for at least 10-20 large-scale (>2,500 gallon) rainwater catchment systems for residences, schools, and small businesses, while providing technical assistance for at least 30-60 small-scale (<2,500 gallon) systems landowners can implement themselves.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 9.3F: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 9.4 Budget Category (d): Construction/Implementation**

Task 9.4A: Construction Administration

Access for project implementation will be granted by rebate program applicants, who will sign an agreement specifying terms of participation. This task includes answering requests for information, documenting of pre-construction conditions, and notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- System Plans (Typical)

Task 9.4B: Construction/Implementation

Construction/Implementation activities are outlined below.

9.4B(i): Rainwater Catchment System Construction Assistance: Provide technical assistance, construction oversight, post-construction verification, and rebates for approximately 10-20 large-scale (>2,500 gallon) rainwater catchment systems for residences, schools, and small businesses, while and approximately 30-

60 small-scale (<2,500 gallon) systems landowners can implement themselves. Construction of rainwater catchment tanks will be implemented through cost share sources.

9.4B(ii): QWEL Rainwater Training Workshops: Conduct workshop(s) for approximately 30 licensed landscapers to receive QWEL certification in rainwater catchment design and construction

9.4B(iii): Small-Scale Residential Rainwater Systems Workshops: Conduct workshop(s) for approximately 40 people providing instruction on the design and installation of small-scale (<2,500-gallon) systems that landowners can install themselves.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2
- Summaries and map of systems constructed
- Workshop attendance sheets and materials

## **PROJECT 10: Ranney Collector 2 Rehabilitation Project**

### **IMPLEMENTING AGENCY: Humboldt Bay Municipal Water District (HBMWD)**

**PROJECT DESCRIPTION:** HBMWD is working on a phased rehabilitation of 4 Ranney Collectors installed along the banks of the Mad River and replacement of all the laterals in all of the collector wells. HBMWD has successfully completed rehabilitation on Collectors 1 and 3. This project includes the rehabilitation of Collector 2. Three or four new stainless-steel laterals will be projected from the existing caisson. Cores will be cut through the sides of the existing caisson so the new laterals can be projected out horizontally into the surrounding aquifer. The project benefits include: increased water supply reliability for 36,000 households; 10% increased groundwater recharge; fish habitat improvement with lower water temperatures along 75 miles of the Mad River; avoided water quality treatment costs (\$5 million); carbon emissions reductions of 37.4 tons/year.

### **Task 10.1 Budget Category (a): Project Administration**

#### Task 10.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 10.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 10.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 10.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 10.3A: Feasibility Studies

Project Feasibility Studies were completed as part of the project development process. Includes modeling, lateral location recommendations and development water disposal plan.

#### **Deliverables:**

- Feasibility Study Report

#### Task 10.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 10.3C: Permitting

Obtain Streambed alteration agreement or consultation with CDFW regarding applicability. Obtain a Low Threat Discharge Permit or NPDES Permit from Regional Board or consultation regarding applicability.

**Deliverables:**

- Permits as required

Task 10.3D: Design

Install geophones or review previous investigations to map bedrock locations & assess subsurface geology. Complete preliminary design including the following supporting work: geotechnical investigation, topographic survey, and basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary earthwork calculations, preliminary design details for tank foundation, preliminary design details for and 100% (Final) design, plans, and specifications. 100% plans and specifications will be supplied to all interested parties for review and comment.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 10.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 10.4 Budget Category (d): Construction/Implementation**

Task 10.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 10.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing

change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 10.4C: Construction**

Construction activities are outlined below.

10.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Assess flow in existing laterals and total flow drawdown to establish baseline. Design and install DWR acknowledgement sign in visible location.

10.4C(ii): Site preparation will include: Dewatering and control of water.

10.4C(iii): Install, construct, excavate: Purchase and Install (8) Valves on Existing Laterals. Furnish, Install, and Develop 12" Diameter Type 304 Stainless Steel Laterals. Furnish and Install up to 4 12" diameter steel gate valves on new laterals.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 11: Lewiston Community Services District Water Distribution System Replacement Project**

### **IMPLEMENTING AGENCY: Lewiston Community Services District (LCSD)**

**PROJECT DESCRIPTION:** This project will replace its distribution system within the Lewiston Park Subdivision. The project includes installation of approximately 12,450 feet of water main and appurtenances, replacement of approximately 105 service connections, reconnection of approximately 9 fire hydrants, and installation of approximately three new fire hydrants. The project also includes relocation of approximately 17 service connections and completing Well 8 by installing a well building, connecting the well to the distribution system, and installing power and electrical controls at the well location with another funding source.

Upon completion of the Project, LCSD will have increased the reliability of their water supply and distribution system by reducing the approximately 16,000 gallons per day of unaccounted for water loss. The secondary benefits include increase instream flow of approximately 5.84 million gallons per year. Furthermore, a completely sealed distribution system will allow for increased pressure and flows enhancing firefighting capabilities, as well as protecting the health and safety of the public.

### **Task 11.1 Budget Category (a): Project Administration**

#### Task 11.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 11.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 11.2 Budget Category (b): Land Purchase/Easement**

Not applicable.

### **Task 11.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 11.3A: Feasibility Studies – Not applicable

#### Task 11.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 11.3C: Permitting

Tasks may include: A standard encroachment permit for improvements within a street right-of-way shall be secured to accommodate all construction activities for the project. Contractor to complete a Storm Water Pollution Prevention Plan to submit to North Coast Regional Water Quality Control Board.

#### **Deliverables:**

- Permits as required

#### Task 11.3D: Design

Develop a set of final design plans and specifications ready to put out to bid. The plans and specifications will conform to all necessary requirements stipulated by the District and regulatory agencies to ensure a high-quality product.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 11.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 11.4 Budget Category (d): Construction/Implementation**

#### Task 11.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 11.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Observe project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified. Conduct project photo monitoring. Prepare field reports.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 11.4C: Construction**

Construction activities are outlined below.

11.4C(i): Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Complete pre-construction staking of the new water main. Design and install DWR Acknowledgement sign as per agreement.

11.4C(ii): Install, construct, excavate: Installation of approximately 12,450 feet of water main. Reconnection of approximately 105 service connections and relocation of approximately 17 service connections. Reconnection of approximately 9 Fire Hydrants and installation of 3 fire hydrants.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

### **IMPLEMENTING AGENCY: Mattole Restoration Council**

**PROJECT DESCRIPTION:** Summer and winter rearing habitat for juvenile salmon and steelhead will be improved within the lower two miles of the Mattole River by creating approximately 1,200 feet of slough/alcove, installing approximately 12,000 feet of willow baffles (includes 7,000 feet using non-DWR funds), and planting approximately 8,000 riparian trees (includes 4,000 trees using non-DWR funds) and approximately 2,000 wetland plants.

The project will have multiple long-term benefits for riparian habitat and water quality, as established riparian vegetation will slow floodplain turnover, store sediment and rack wood, and increase channel heterogeneity. The project will provide fishery improvement of approximately 8,700 smolts per year.

### **Task 12.1 Budget Category (a): Project Administration**

#### Task 12.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 12.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 12. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 12.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 12.3A: Feasibility Studies – Not applicable

#### Task 12.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All necessary CEQA documents as required
- No Legal Challenges Letter

#### Task 12.3C: Permitting

The project will require a SWRCB 401, Army Corps 404 permitting, Coastal Commission Negative Determination, NMFS Section 7 permitting, CDWF 1602 permitting for 2018 Middle Slough and Riparian work and CDWF 1602 permitting to be completed for Middle Slough and Riparian work.

##### **Deliverables:**

- Permits as required

#### Task 12.3D: Design

100% Design Plans for Middle Slough Restoration and Lower Mattole Riparian Enhancement Plan.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 12.3E: Project Planning

Meet with Mattole Technical Advisory Committee (TAC) pre-project; Meet with Humboldt County Public Works to coordinate willow baffle installation with Lighthouse Road flood protection; Pre-Project Drone images and photo points.

##### **Deliverables:**

- Pre-project drone imagery

#### Task 12.3F: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 12.4 Budget Category (d): Construction/Implementation**

#### Task 12.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents as required

#### Task 12.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. Construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Meet with Mattole Technical Advisory Committee (TAC) post-project

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 12.4C: Construction**

Construction activities are outlined below.

12.4C(i): Mobilization and Site preparation: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and mobilize tools, pumps, tool storage, security, and safety equipment to project site. Create a project sign describing work and acknowledging DWR and install at Mattole Estuary Overlook.

12.4C(ii): Middle Slough Restoration: Survey and stake slough channel; Clear vegetation and excavate approximately 1,200 ft. of historic slough channel, install approximately 25 large wood habitat features; de-watering during construction.

12.4C(iii): Riparian & In-Stream Restoration & Bank Stabilization: Remove and truck approximately 100 whole trees from 2 acre encroached grassland to in-stream, riparian and bank stabilization sites; grade and install native seed at removal/grassland restoration sites; install trees and approximately 12,000 ft. of willow baffles; irrigation, native seed and mulching; install approximately 10,000 native plants at Middle Slough and Riparian sites. Complete post-project drone images.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 13: Water System Improvements Project**

### **IMPLEMENTING AGENCY: Newell County Water District (NCWD)**

**PROJECT DESCRIPTION:** The project will include cleaning and blasting the interior of a 100,000 gallon tank, structural evaluation of the tank currently to identify any new defects, welding repair of all structural defects, repainting the tank interior, spot blast and prime spot corrosion on exterior, paint new final coat on tank exterior to match the 2009 water storage tank, and minor electrical repairs. The goal of the project is to double the existing storage capacity of the water system in an effort to comply with California Code of Regulations (CCR) section 64554 where water systems with less than 1,000 service connections shall provide storage capacity equivalent to max day demand (MDD). Newell's MDD is 400,000-gallons per day, therefore the existing storage is only 25% of the required storage. This project will help the NCWD work towards compliance with California Waterworks Standards. The project benefits include increased water supply storage capacity of 100,000 gallons for 310 connections and lead contamination reduction for approximately 725 people.

### **Task 13.1 Budget Category (a): Project Administration**

#### Task 13.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 13.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 13. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 13.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 13.3A: Electrical Control System Evaluation

Conduct electrical testing and evaluation.

#### **Deliverables:**

- Electrical Testing Results and Recommendations

#### Task 13.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 13.3C: Permitting

Permits are not anticipated to be required.

Task 13.3D: Design

Develop a Project Manual which will provide the overall project concept for use in development of final design, drawings and specifications including: preliminary design details for and 100% (Final) design, drawings, and specifications. The Project Manual includes all documents needed for the project to be suitable for public bidding including front-end legal documents as well as technical specifications and project drawings.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 13.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 13.4 Budget Category (d): Construction/Implementation**

Task 13.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 13.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings



Task 13.4C: Construction

Construction activities are outlined below.

13.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Contractor will mobilize equipment to site and prepare site for start of work. Design and install a DWR Acknowledgement Sign in an appropriate location.

13.4C(ii): Install, construct, excavate: Remove existing failed tank coatings, evaluate structural integrity of tank, implement structural repairs, repaint tank interior and exterior. Electrical and/or control system improvements depending upon findings of electrical evaluation.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 14: Pacific Reefs Water District Water Tank Replacement**

### **IMPLEMENTING AGENCY: Pacific Reefs Water District (PRWD)**

**PROJECT DESCRIPTION:** The project will install at minimum, a 35,000 gallon “Glass fused to Steel” water storage tank and retain the two 5,000 gallon plastic water tanks (originally installed as a temporary measure). The new tank will be plumbed into the existing system with the two existing 5,000 gallon plastic tanks, which together, will provide a year-round reliable water supply to PRWD's water distribution system. The project consists of the following components: Remove old redwood water tank and concrete pad (to be done by PRWD), install foundation pad for new tank, install new water tank, and install associated plumbing, electrical and control equipment to tie into PRWD's existing system. The project will provide at least 35,000 gallons of increased water supply reliability.

### **Task 14.1 Budget Category (a): Project Administration**

#### Task 14.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 14.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 14.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 14.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 14.3A: Feasibility Studies – Not applicable

#### Task 14.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 14.3C: Permitting

The project is located within the County jurisdiction of the coastal zone. Under this task, a coastal development permit will be developed for the project including application development, county coordination, and permit fees. This task includes an updated evaluation of biological resources at the site in support of the permit development. The District will complete a Mendocino County building permit application, submit to the County, and respond to questions.

**Deliverables:**

- Permits as required

**Task 14.3D: Design**

The PRWD is anticipating a turnkey storage tank provider to complete a majority of the tank design as well as installation. PRWD will submit a Basis of Design Package. This would include a site survey, geotechnical evaluation for the tank foundation design, and technical specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 14.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 14.4 Budget Category (d): Construction/Implementation**

**Task 14.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 14.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

Task 14.4C: Construction

Construction activities are outlined below.

14.4C(i): Mobilization and Demobilization: Equipment mobilization, clearing, grubbing, minor site grading, erosion control. Temporary signage. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Develop information necessary to support the Project Completion Report.

14.4C(ii): Install, construct, excavate: Installation of site piping, tank foundation construction, tank erection, tank disinfection and installation of cathodic protection and telemetry. Water tank shop drawing approval, manufacture, and delivery.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 15: Sanctuary Forest Drought and Emergency Water Project**

**IMPLEMENTING AGENCY:** Sanctuary Forest Inc.

**PROJECT DESCRIPTION:** The purpose of the Sanctuary Forest Drought and Emergency Water Project is to build resilience against climate change, drought and the threat of wildfire. This project will provide salmonid habitat protection while addressing human water needs, security, and public health in the severely disadvantaged Mattole headwaters community of Whitethorn.

One approximately 350,000 gallon water tank will be installed for emergency water storage along with connection to an existing permitted well and piping to a fire hydrant accessible by water and fire trucks. The Whitehorn Elementary school filtration system will be installed in the existing filtration shed in cooperation with the school and State Water Resources Control Board (SWRCB) Division of Drinking Water. Coordinated water management will be implemented through community wide streamflow alerts and forbearance program notices. The project provides benefits of approximately 350,000 gallons per year of expanded water storage capacity and improved fish habitat and passage resulting from forbearance during low stream flows.

### **Task 15.1 Budget Category (a): Project Administration**

#### Task 15.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 15.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 15.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 15.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 15.3A: Feasibility Studies – Not applicable

#### Task 15.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 15.3C: Permitting

Upon completion of the design phase for the emergency water storage system building, grading and encroachment permit applications will be submitted to the County of Humboldt along with engineered plans and fees.

##### **Deliverables:**

- Permits as required

#### Task 15.3D: Design

Development of final design plans for the emergency storage and school filtration will include engineering and survey subcontractors and staff time to ensure project design plans meet objectives, incorporate partner input and ensure that project meets all necessary requirements.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 15.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 15.4 Budget Category (d): Construction/Implementation**

#### Task 15.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents as required

#### Task 15.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 15.4C: Construction

Construction activities are outlined below.

15.4C(i): Mobilization, Site Preparation, and Demobilization: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Project signage will include acknowledgement of funders and conservation & education signage. Additional signage will be installed to discourage dumping and encourage community protection of the site and water project. DWR funding Acknowledgement signage will also be installed at the Whitethorn School.

15.4C(ii): Emergency Water System: Install one approximately 350,000 gallon water tank along with connection to an existing permitted well and piping to a fire hydrant accessible by water and fire trucks. Implementation will include construction of a 2 ft. minimum depth gravel and sand tank pad. Engineered perimeter foundations with hold-downs will be installed. The steel tank will then be assembled onsite and liners will be installed. Plumbing will include installation of a submersible pump in the existing well along with 1.5 inch diameter pipe to connect the well. Tank will be connected to a fire hydrant with 6 inch diameter pipe. Electricity to power the pump will be provided by electrical power drop from PG&E.

15.4C(iii): Whitethorn School Filtration System: Replace existing drinking water filtration system within an existing shed at the Whitethorn School. An engineer approved filtration unit will be designed, fabricated and installed by a water filtration company. Additionally, up to 2 ozone units will be installed in the raw water storage to prevent bacterial growth.

15.4C(iv): Coordinate community water management through: flow alerts, landowner notices to assign pumping days and forbearance periods, administration of group 1600 agreement with CDFW, technical assistance and water rights reporting and streamflow monitoring and flow tracking needed for community water management. Staff tasks will include all of the above plus data input and maintaining records of all activities.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project**

**IMPLEMENTING AGENCY:** Scott River Watershed Council

**PROJECT DESCRIPTION:** The purpose of the project is to decrease fire risk to humans, the ecosystem, and the City of Etna Water system while improving forest health and reducing Greenhouse Gas (GHG) production; decrease sediment inputs to high value anadromous spawning and rearing streams, supporting ongoing restoration efforts for state and federally listed Southern Oregon Northern California Coho Salmon.

The project includes three components: Kidder Creek Road Restoration, utilizing existing road surveys, 10 high and medium road sites will be treated to reduce sediment production; Ruffey Gap Treatment Area, 65 acres of young, overstocked stands within a 200 foot ridge corridor will be thinned and, remove post-harvest slash and downed material from prior owner logging activities on 100 acres, materials will be slash ground or piled and burned; and Sniktaw Fuel Retreatment, overgrown shaded fuel breaks on 166 acres along Sniktaw Creek will be manually retreated with slash chipped or ground.

The expected project benefits include improved water quality, fire risk reduction to humans and City of Etna water system infrastructure and the ecosystem, climate change mitigation benefits, improved conditions for salmonids, communities and support for Tribal Cultural Values. The project benefits include approximately 23,232 tons per year of sediment reduction and 63 acres of habitat restoration.

### **Task 16.1 Budget Category (a): Project Administration**

#### Task 16.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 16.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 16.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 16.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 16.3A: Feasibility Studies – Not applicable

#### Task 16.3B: CEQA Documentation



Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 16.3C: Permitting

All appropriate permits shall be secured for the project from California Department of Fish and Wildlife (CDFW) and North Coast Regional Water Quality Control Board (NCRWQCB) through CDFW Timber review Group. Acquire: CDFW Lake and Streambed Alteration Agreement (LSAA) if determined to be necessary, North Coast Regional Water Control Board (NCRWQB) 401 and Waste Discharge Permit; Army Corp of Engineers (ACOE) 404.

**Deliverables:**

- Permits as required

Task 16.3D: Design

Landowner has completed fuel load density surveys, road inventory and developed plans and specs for road improvements and addressing water quality issues related to land use and road construction and maintenance. Final Design /Plans will be completed as part of the project development process.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 16.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 16.4 Budget Category (d): Construction/Implementation**

Task 16.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

Task 16.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 16.4C: Construction**

Construction activities are outlined below.

16.4C(i): Mobilization and Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of the construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

16.4C(ii): Kidder Creek Road Restoration: Approximately 10 sites per Klamath National Forest Road Sediment Survey and Inventory (RSSI) will be treated with a range of road treatments per design and engineering for drainage and stream crossing sites to prevent sediment. Road out sloping, road dips, improved drainage ditches and culvert replacement are treatment options.

16.4C(iii): Ruffey Gap Thinning & Forest Treatment: Approximately 100' each side ridge road of hazardous fuels reduction and forest health improvement by thinning, piling and burning. Thinning along a strategic ridge road.

16.4C(iv): Ruffey Gap Fuels Reduction: Remove post-harvest slash and downed material from prior owner logging activities on 100 acres. Pile and burn material and or mechanical mastication.

16.4C(v): Sniktaw Fuel Reduction: Approximately 166 acres of understory vegetation will be removed from previously treated areas by grinding or chipping of slash material.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 17: Water System Emergency Generator Project**

### **IMPLEMENTING AGENCY: Smith River Community Services District**

**PROJECT DESCRIPTION:** The Smith River Community Services District (District) provides water to approximately 1,500 customers. The District's water source is from four 40-foot wells that are set back approximately 100 feet from Rowdy Creek. The well pumps move water to a series of five pump stations and eventually eight water storage tanks within the District. The project will add one permanently mounted up to 125 kW generator at the main control building and well site and up to three permanent or mobile generators at the high priority pump stations where no mounted generators exist currently. These locations were identified to be critical infrastructure. The Project will mitigate for loss of power during severe storms (including high winds), earthquakes, fires, and floods and will enhance staff safety by not requiring employees to work during unsafe storm conditions. The project provides benefits of approximately 128,400 gallons per year of increased water supply reliability and improved fire suppression reliability.

### **Task 17.1 Budget Category (a): Project Administration**

#### Task 17.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 17.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 17.2 Budget Category (b): Land Purchase/Easement**

- Not applicable

### **Task 17.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 17.3A: Feasibility Studies – Not applicable

#### Task 17.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 17.3C: Permitting

Obtain required permits which may include: Coastal Development Permit from the Coastal Commission and Generator Permit from the North Coast Unified Air Quality Management District.

##### **Deliverables:**

- Permits as required

#### Task 17.3D: Design

The Project Design task consists of all work necessary to develop construction implementation documents including the final design plans, technical specifications, and opinion of probable construction cost for up to three water systems emergency generators located outside the Main Control Building Site. Standard assumptions will be used for seismic analysis and the small nature of the infrastructure results in very little to no need for surveying to develop a biddable plan set.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 17.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

#### **Task 17.4 Budget Category (d): Construction/Implementation**

##### Task 17.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

##### Task 17.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

Task 17.4C: Construction

Construction activities are outlined below.

17.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Submittals for schedule and traffic control will be submitted, reviewed, and approved prior to the start of work. Construction equipment mobilization to the site is anticipated to coincide to when the generators and propane tanks will arrive. Design and install a DWR Acknowledgement Sign in an appropriate location. This task includes the required documentation, reports, notices, drawings, and monitoring to complete the project. The project team would prepare final project closeout documents including photographs, observation logs, submittals and meeting notes. In addition, a Notice of Completion would be prepared for approval by the District and submitted to the County for Recording. The project team would prepare and transmit Record Drawings (As-builts) to the District, incorporating any noted changes, change orders or other changes deemed necessary and provide hard copies. Demobilization, including final site cleanup, punch list completion and removal of equipment from the site.

17.4C(ii): Site preparation will include equipment mobilization, public notification, traffic control planning, clearing, grubbing, minor site grading, and erosion control. Temporary signage for traffic control will also be installed.

17.4C(iii): Install, construct, excavate: This task is for construction of the project by a licensed contractor. The project may include minor grading for generator and tank pads, fuel line and electrical conduit trenching, and electrical system modifications. Construction is expected to take 6 months and the following items may be executed: Secure generators and fuel tanks for installation including shop drawing approval, manufacture, and delivery; concrete pad installation; fuel lines and conduit installation; generator and fuel tank installation, start up and testing.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 18: South Fork Trinity River - Spring Run Chinook Salmon Restoration Project - Phase II**

**IMPLEMENTING AGENCY: Watershed Research and Training Center (WRTC)**

**PROJECT DESCRIPTION:** The project's goal is to increase wild spring-run Chinook populations. Instream whole tree placement is the primary method for achieving this goal. The project would utilize two unique techniques to place whole trees in the South Fork Trinity River (SFTR). The primary method would use a helicopter to place whole trees at strategic locations throughout an approximately 15-mile reach of the upper SFTR. The second method would utilize a road based mobile cable yarding system to tip whole trees that are too large to be carried by helicopter, into the river channel.

Strategic placement of whole trees will help provide the necessary reach-scale thermal resiliency for wild spring-run Chinook to migrate through and hold in the SFTR, as well as promote the habitat complexity required by juvenile spring Chinook for successful rearing and emigration. The project will provide benefits of approximately 15 miles of stream restoration and increase of approximately 249,500 cubic feet in cold water refugia for salmon.

### **Task 18.1 Budget Category (a): Project Administration**

#### Task 18.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 18.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 18.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 18.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 18.3A: Feasibility Studies – Not applicable

#### Task 18.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 18.3C: Permitting

Appropriate permits shall be secured for the project as per final design.

##### **Deliverables:**

- Permits as required

#### Task 18.3D: Design

Complete land/topographic survey work needed for project design. Complete geomorphic and hydrologic investigation to inform project design/plans. Complete biological inventory work needed for project design. Complete forest inventory and mapping needed for harvest design. Develop a set of final design plans and specifications. The plans and specifications will conform to all necessary requirements to ensure a high-quality product.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 18.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 18.4 Budget Category (d): Construction/Implementation**

#### Task 18.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents as required

#### Task 18.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 18.4C: Construction

Construction activities are outlined below.

18.4C(i): Prepare Project Site: Initiate project site preparation; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

18.4C(ii): Tree Harvest: Source trees; tree identification, inventory, mark, and map. Utilize foresters and Licensed Timber Operator to ensure compliance. Initiate construction. Mobilization of equipment for tree harvest. Conduct project construction photo-monitoring.

18.4C(iii): Tree tipping/yarding: Initiate project construction with contractor. Utilize a road based mobile cable yarding system to tip whole trees that are too large to be carried by helicopter, into the river channel. Mobilize yarder units. Keep daily records of construction activities, inspection, and progress; conduct project construction photo-monitoring; construct project components

18.4C(iv): Tree placement: Initiate project construction. Use a helicopter to place whole trees at strategic locations throughout an approximately 15-mile reach of the upper SFTR. Keep daily records of construction activities, inspection, and progress; conduct project construction photo-monitoring; construct project components, Mobilization/Demobilization and Fuel Staging, Heli-Loading of Wood - Flight Time, Technical Coordination /Oversight/Management, Quality Control and Engineering Support, and Supplies and Travel.

18.4C(v): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 19: Sewer Improvements Project**

### **IMPLEMENTING AGENCY: Weaverville Sanitary District**

**PROJECT DESCRIPTION:** The project will involve replacement of existing 6 inch sanitary sewer lines identified by the Weaverville Sanitary District (District) as failing or problematic due to root balls or blockages and ranked by the District in terms of greatest need. Zone 1. Lower Barbara - Pipe lining, pipe bursting, or open trench replacement of approximately 700 feet of existing 6-inch Transite pipe installed in 1957. Zone 2. Timber Ridge Road to Syphon - Pipe bursting or open trench replacement of approximately 800 feet of existing 6 inch Transite pipe installed circa 1970. Depending on the findings from closed circuit television inspection and the ultimate contractor bids received for this project, complete replacement of Zone 2 may not be possible.

The project will include repair or replacement of approximately 1,300-feet of gravity sewer pipe. The project will provide benefits of reduced possibility of approximately 1.5 MGD during peak wet weather conditions of sewage leaking into surface and groundwater resources and improved recharge of groundwater basins from subsurface flow prevented from entering sewer.

### **Task 19.1 Budget Category (a): Project Administration**

#### Task 19.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 19.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 19. 2 Budget Category (b): Land Purchase/Easement**

#### Task 19.2A: Land Purchase

Research/acquire record maps, prepare legal descriptions, obtain preliminary title reports, get property appraisal, and acquire land and/or easements. If it is determined no easements exist, assuming a 10-foot permanent easement to be established along the alignments in Zones 1 and 2, approximately 0.5 acres of easement will need to be acquired.

#### **Deliverables:**

- Documentation supporting property value (if purchased)

- All relevant documentation regarding property ownership transfer or acquisition of easement including final recorded deed, title report, etc.

### **Task 19.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 19.3A: Feasibility Studies – Not applicable

#### Task 19.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

##### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 19.3C: Permitting

Tasks may include: Develop and submit an encroachment permit for all construction activities within Trinity County Right of Way.

##### **Deliverables:**

- Permits as required

#### Task 19.3D: Design

Develop a Project Manual which will provide the overall project concept for use in development of final design, drawings and specifications including: preliminary design details for and 100% (Final) design, drawings, and specifications. The Project Manual includes all documents needed for the project to be suitable for public bidding including front-end legal documents as well as technical specifications and project drawings.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 19.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 19.4 Budget Category (d): Construction/Implementation**

#### Task 19.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 19.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 19.4C: Construction**

Construction activities are outlined below.

19.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Contractor will mobilize equipment to site and prep site for start of work. Design and install a DWR Acknowledgement Sign in an appropriate location

19.4C(ii): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring.

19.4C(iii): Install, construct, excavate: Installation or rehabilitation of approximately 1,300-feet of gravity sewer lines.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

**IMPLEMENTING AGENCY:** Yurok Tribe

**PROJECT DESCRIPTION:** The Yurok Tribe will conduct a number of high priority road and associated stream crossing improvements within the Blue Creek Sanctuary to protect and enhance water quality, increase watershed resiliency to climate change impacts, promote increased community safety (i.e. improve a primary flood & fire evacuation route, improve our ability to manage wildland fires), and help ensure effective Tribal management of vitally important water, wildlife, and forest resources in the Sanctuary. Major components include: drainage improvements, mass wasting prevention, sediment reduction, and erosion control measures along approximately 14 miles of forest roads and replacing/improving approximately 12 water crossings for 100-year flow events.

The project will provide benefits of approximately 70 tons per year of reduced sediment delivery to the watershed and avoided culvert failure.

### **Task 20.1 Budget Category (a): Project Administration**

#### Task 20.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 20.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 20.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 20.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 20.3A: Feasibility Studies – Not applicable

#### Task 20.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 20.3C: Permitting

Task may include: 1600 Lake & Streambed Alteration Permit Application. Yurok Tribe Cultural Resources Permit Application. Yurok Tribe Environmental Quality Permit Application.

#### **Deliverables:**

- Permits as required

#### Task 20.3D: Design

Develop a Final Design which will provide the overall project concept for use in development of final design, plans and specifications including: preliminary design details for and 100% (Final) design, plans, and specifications.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 20.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 20.4 Budget Category (d): Construction/Implementation**

#### Task 20.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. Contractor agreements must follow Yurok tribe's procurement policy, tribal employment rights ordinance, and be consistent with the State of California's requirements. This task includes requesting and obtaining bids and awarding and executing the contract and completing the lease agreements for heavy equipment needed to complete the work.

#### **Deliverables:**

- Bid Documents as required

#### Task 20.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Activities necessary to secure rock crushing equipment, contacting vendors, request equipment availability and pricing, secure the equipment, have the equipment dispatched, and pay for the equipment services.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 20.4C: Construction**

Construction activities are outlined below.

20.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

20.4C(ii): Install, construct, excavate: Replace approximately 12 culverts and upgrade them to the 100 year storm event; rock approximately 14 miles of road that will help reduce storm surface erosion on unrocked roads; demobilization and erosion prevention (post project BMPs).

20.4C(iii): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Make sure all erosion implementation practices have been completed; demobilize equipment; make sure sub-contractor has completed all tasks; weatherize construction site.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

**EXHIBIT B****BUDGET****PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT****AGREEMENT BUDGET SUMMARY**

	Grant Amount	Required Cost Share: Non-State Fund Source	Other Cost Share	Total Cost	Percent Cost Share
Grant Administration	\$763,200	N/A	\$0	<b>\$763,200</b>	N/A

**PROJECTS**

1	Water Storage Project	\$382,085	\$0	\$0	<b>\$382,085</b>	0%
2	Water Supply Enhancement Project	\$1,076,625	\$0	\$0	<b>\$1,076,625</b>	0%
3	California Street Sewer Replacement	\$326,750	\$0	\$0	<b>\$326,750</b>	0%
4	Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use	\$551,156	\$0	\$134,482	<b>\$685,638</b>	0%
5	Collection System and Wastewater Treatment Plant Improvements	\$750,000	\$0	\$30,000	<b>\$780,000</b>	0%
6	Onsite Emergency Power Supply for Sanitary Sewer Lift Stations	\$807,641	\$0	\$0	<b>\$807,641</b>	0%
7	Kenny Creek Instream Habitat Enhancement Project	\$176,077	\$0	\$46,830	<b>\$222,907</b>	0%
8	Water Tank Seismic Retrofit Project	\$314,744	\$0	\$944,226	<b>\$1,258,970</b>	0%
9	Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project	\$420,324	\$420,488	\$0	<b>\$840,812</b>	50%
10	Ranney Collector 2 Rehabilitation Project	\$600,000	\$0	\$3,105,750	<b>\$3,705,750</b>	0%
11	Water Distribution System Replacement Project	\$1,073,273	\$0	\$2,228,127	<b>\$3,301,400</b>	0%
12	Lower Mattole River and Estuary Enhancement Project Phase II	\$656,165	\$0	\$552,800	<b>\$1,208,965</b>	0%
13	Water System Improvements Project	\$461,607	\$0	\$0	<b>\$461,607</b>	0%
14	Water Tank Replacement Project	\$386,274	\$0	\$10,000	<b>\$396,274</b>	0%

*Grant Agreement No. 4600013820 – Amendment 1*

15	Drought and Emergency Water Project	\$558,501	\$0	\$95,210	<b>\$653,711</b>	0%
16	Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project	\$632,370	\$0	\$189,438	<b>\$821,808</b>	0%
17	Water System Emergency Generator Project	\$322,445	\$0	\$0	<b>\$322,445</b>	0%
18	South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II	\$832,495	\$0	\$0	<b>\$832,495</b>	0%
19	Sewer Improvements Project	\$691,000	\$0	\$0	<b>\$691,000</b>	0%
20	Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary	\$937,268	\$0	\$1,538	<b>\$938,806</b>	0%
<b>GRAND TOTAL</b>		<b>\$12,720,000</b>	<b>\$420,488</b>	<b>\$7,338,401</b>	<b>\$20,478,889</b>	<b>2%</b>



**Grant Administration**

Implementing Agency: Humboldt County

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source	Other Cost Share	Total Cost
(a)	Project Administration	\$763,200	N/A	\$0	<b>\$763,200</b>
<b>TOTAL COSTS</b>		<b>\$763,200</b>	<b>N/A</b>	<b>\$0</b>	<b>\$763,200</b>

**PROJECT 1: Water Storage Project**

Implementing Agency: Blue Lake Rancheria

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$8,785	\$0	\$0	<b>\$8,785</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$65,000	\$0	\$0	<b>\$65,000</b>
(d)	Construction / Implementation	\$308,300	\$0	\$0	<b>\$308,300</b>
<b>TOTAL COSTS</b>		<b>\$382,085</b>	<b>\$0</b>	<b>\$0</b>	<b>\$382,085</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 2: Water Supply Enhancement Project**

Implementing Agency: Briceland Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$32,500	\$0	\$0	<b>\$32,500</b>
(b)	Land Purchase / Easement	\$52,000	\$0	\$0	<b>\$52,000</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$164,500	\$0	\$0	<b>\$164,500</b>
(d)	Construction / Implementation	\$827,625	\$0	\$0	<b>\$827,625</b>
<b>TOTAL COSTS</b>		<b>\$1,076,625</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,076,625</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 3: California Street Sewer Replacement**

Implementing Agency: City of Ferndale

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$5,000	\$0	\$0	<b>\$5,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$27,800	\$0	\$0	<b>\$27,800</b>
(d)	Construction / Implementation	\$293,950	\$0	\$0	<b>\$293,950</b>
<b>TOTAL COSTS</b>		<b>\$326,750</b>	<b>\$0</b>	<b>\$0</b>	<b>\$326,750</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

Implementing Agency: City of Willits

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$9,520	\$0	\$0	<b>\$9,520</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$46,120	\$0	\$0	<b>\$46,120</b>
(d)	Construction / Implementation	\$495,516	\$0	\$134,482	<b>\$629,998</b>
<b>TOTAL COSTS</b>		<b>\$551,156</b>	<b>\$0</b>	<b>\$134,482</b>	<b>\$685,638</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of City of Willits Water Enterprise Fund.

**PROJECT 5: Collection System and Wastewater Treatment Plant Improvements**

Implementing Agency: Covelo Community Services District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$28,700	\$0	\$0	<b>\$28,700</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$87,626	\$0	\$0	<b>\$87,626</b>
(d)	Construction / Implementation	\$633,674	\$0	\$30,000	<b>\$663,674</b>
<b>TOTAL COSTS</b>		<b>\$750,000</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$780,000</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: The Community Foundation of Mendocino County has pledged to contribute \$8,000 towards the solar panels at the WWTP and the Covelo Community Services District is able to provide up to \$22,000 towards the project.

**PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

Implementing Agency: Del Norte County Service Area No. 1

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$11,000	\$0	\$0	<b>\$11,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$12,500	\$0	\$0	<b>\$12,500</b>
(d)	Construction / Implementation	\$784,141	\$0	\$0	<b>\$784,141</b>
<b>TOTAL COSTS</b>		<b>\$807,641</b>	<b>\$0</b>	<b>\$0</b>	<b>\$807,641</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

Implementing Agency: Eel River Watershed Improvement Group

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$7,000	\$0	\$0	<b>\$7,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$38,750	\$0	\$0	<b>\$38,750</b>
(d)	Construction / Implementation	\$130,327	\$0	\$46,830	<b>\$177,157</b>
<b>TOTAL COSTS</b>		<b>\$176,077</b>	<b>\$0</b>	<b>\$46,830</b>	<b>\$222,907</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: 70 landowner donated logs for the project as cost share at the rate of \$600 per log for a total of \$42,000. Eel River Watershed Improvement Group (ERWIG) has anchoring materials in stock that will be donated to the project, it has a value of \$4,830.

**PROJECT 8: Water Tank Seismic Retrofit Project**

Implementing Agency: Fieldbrook Glendale Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$12,176	\$0	\$48,704	<b>\$60,880</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$34,421	\$0	\$103,259	<b>\$137,680</b>
(d)	Construction / Implementation	\$268,147	\$0	\$792,263	<b>\$1,060,410</b>
<b>TOTAL COSTS</b>		<b>\$314,744</b>	<b>\$0</b>	<b>\$944,226</b>	<b>\$1,258,970</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: Federal Funds (FEMA).

**PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

Implementing Agency: Gold Ridge Resource Conservation District

Project directly serves a need of a Disadvantaged Community: **No**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$33,885	\$0	\$0	<b>\$33,885</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$166,982	\$162,876	\$0	<b>\$329,858</b>
(d)	Construction / Implementation	\$219,457	\$257,612	\$0	<b>\$477,069</b>
<b>TOTAL COSTS</b>		<b>\$420,324</b>	<b>\$420,488</b>	<b>\$0</b>	<b>\$840,812</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Cost share for the project is provided by the Gold Ridge and Sonoma RCDs through federal funding provided by the National Fish and Wildlife funding, both as grants directly to the RCD and through the Russian River Coho Water Resources Partnership ("Coho Partnership") and by Daily Acts through contracts with the Cities of Cotati, Windsor, Sebastopol, and Santa Rosa;

**PROJECT 10: Ranney Collector 2 Rehabilitation Project**

Implementing Agency: Humboldt Bay Municipal Water District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$0	\$0	\$57,000	\$57,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$41,500	\$0	\$241,500	\$283,000
(d)	Construction / Implementation	\$558,500	\$0	\$2,807,250	\$3,365,750
<b>TOTAL COSTS</b>		<b>\$600,000</b>	<b>\$0</b>	<b>\$3,105,750</b>	<b>\$3,705,750</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of HBMWD General Funds.

**PROJECT 11: Water Distribution System Replacement Project**

Implementing Agency: Lewiston Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$38,000	\$0	\$20,000	\$58,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$7,000	\$0	\$236,000	\$243,000
(d)	Construction / Implementation	\$1,028,273	\$0	\$1,972,127	\$3,000,400
<b>TOTAL COSTS</b>		<b>\$1,073,273</b>	<b>\$0</b>	<b>\$2,228,127</b>	<b>\$3,301,400</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of the State Water Resources Control Board, Drinking Water State Revolving Fund.

**PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

Implementing Agency: Mattole Restoration Council

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$25,800	\$0	\$21,000	<b>\$46,800</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$22,950	\$0	\$61,800	<b>\$84,750</b>
(d)	Construction / Implementation	\$607,415	\$0	\$470,000	<b>\$1,077,415</b>
<b>TOTAL COSTS</b>		<b>\$656,165</b>	<b>\$0</b>	<b>\$552,800</b>	<b>\$1,208,965</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: California Department Fish & Wildlife Fisheries Restoration Grant Program (National Oceanic & Atmospheric Administration Funds), US Fish & Wildlife Service Coastal Program, Pacific Marine Estuary Program, Bureau of Land Management, State Coastal Conservancy.

**PROJECT 13: Water System Improvements Project**

Implementing Agency: Newell County Water District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$15,607	\$0	\$0	<b>\$15,607</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$42,000	\$0	\$0	<b>\$42,000</b>
(d)	Construction / Implementation	\$404,000	\$0	\$0	<b>\$404,000</b>
<b>TOTAL COSTS</b>		<b>\$461,607</b>	<b>\$0</b>	<b>\$0</b>	<b>\$461,607</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

**PROJECT 14: Water Tank Replacement Project**

Implementing Agency: Pacific Reefs Water District (PRWD)

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$16,880	\$0	\$0	<b>\$16,880</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$64,514	\$0	\$0	<b>\$64,514</b>
(d)	Construction / Implementation	\$304,880	\$0	\$10,000	<b>\$314,880</b>
<b>TOTAL COSTS</b>		<b>\$386,274</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$396,274</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: PRWD will be responsible for the costs of redwood tank and foundation demolition and removal.

**PROJECT 15: Drought and Emergency Water Project**

Implementing Agency: Sanctuary Forest Inc.

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$19,650	\$0	\$0	<b>\$19,650</b>
(b)	Land Purchase / Easement	\$0	\$0	\$41,160	<b>\$41,160</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$29,550	\$0	\$8,000	<b>\$37,550</b>
(d)	Construction / Implementation	\$509,301	\$0	\$46,050	<b>\$555,351</b>
<b>TOTAL COSTS</b>		<b>\$558,501</b>	<b>\$0</b>	<b>\$95,210</b>	<b>\$653,711</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: Sanctuary Forest funds, Southern Humboldt School District, community members and volunteers.



**PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project****PROJECT 17: Water System Emergency Generator Project**

Implementing Agency: Smith River Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$16,200	\$0	\$0	<b>\$16,200</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$29,950	\$0	\$0	<b>\$29,950</b>
(d)	Construction / Implementation	\$276,295	\$0	\$0	<b>\$276,295</b>
<b>TOTAL COSTS</b>		<b>\$322,445</b>	<b>\$0</b>	<b>\$0</b>	<b>\$322,445</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a DAC/EDA cost share waiver.

**PROJECT 18: South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II**

Implementing Agency: Watershed Research and Training Center

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$33,195	\$0	\$0	<b>\$33,195</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$93,008	\$0	\$0	<b>\$93,008</b>
(d)	Construction / Implementation	\$706,292	\$0	\$0	<b>\$706,292</b>
<b>TOTAL COSTS</b>		<b>\$832,495</b>	<b>\$0</b>	<b>\$0</b>	<b>\$832,495</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

**PROJECT 19: Sewer Improvements Project**

Implementing Agency: Weaverville Sanitary District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$27,000	\$0	\$0	\$27,000
(b)	Land Purchase / Easement	\$30,000	\$0	\$0	\$30,000
(c)	Planning / Design / Engineering / Environmental Documentation	\$118,000	\$0	\$0	\$118,000
(d)	Construction / Implementation	\$516,000	\$0	\$0	\$516,000
<b>TOTAL COSTS</b>		<b>\$691,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$691,000</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

Implementing Agency: Yurok Tribe

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$10,940	\$0	\$0	\$10,940
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$47,401	\$0	\$1,538	\$48,939
(d)	Construction / Implementation	\$878,927	\$0	\$0	\$878,927
<b>TOTAL COSTS</b>		<b>\$937,268</b>	<b>\$0</b>	<b>\$1,538</b>	<b>\$938,806</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: Yurok Cultural and Environmental Departments.

**EXHIBIT C**  
**SCHEDULE**

**PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT**

**Grant Administration**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	1/1/2020	6/30/2025

**PROJECT 1: Water Storage Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	6/1/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	9/1/2020
d	Construction / Implementation	9/1/2020	3/1/2022

**PROJECT 2: Water Supply Enhancement Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	7/1/2020	3/1/2022
b	Land Purchase / Easement	9/1/2020	4/1/2021
c	Planning / Design / Engineering / Environmental Documentation	7/1/2020	4/1/2021
d	Construction / Implementation	3/1/2021	12/1/2021

**PROJECT 3: California Street Sewer Replacement**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	3/1/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	12/1/2020
d	Construction / Implementation	11/1/2020	12/1/2021

**PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	3/1/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	1/8/2019	5/31/2020
d	Construction / Implementation	5/1/2020	12/31/2021

**PROJECT 5: Collection System and Wastewater Treatment Plant Improvements**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	7/1/2020	1/31/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	8/3/2020	2/26/2021
d	Construction / Implementation	3/30/2021	10/29/2021

**PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	6/30/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	12/31/2020
d	Construction / Implementation	1/1/2021	3/31/2023

**PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	12/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	8/1/2021
d	Construction / Implementation	12/1/2021	7/1/2023

**PROJECT 8: Water Tank Seismic Retrofit Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	1/1/2020	1/31/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	1/1/2020	12/31/2020
d	Construction / Implementation	1/1/2021	10/31/2021

**PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	1/31/2025
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	7/1/2020	5/31/2024
d	Construction / Implementation	12/1/2020	10/31/2024

**PROJECT 10: Ranney Collector 2 Rehabilitation Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	5/1/2020	3/1/2024
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	8/1/2020	3/31/2021
d	Construction / Implementation	3/31/2021	12/31/2023

**PROJECT 11: Water Distribution System Replacement Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	4/1/2020	1/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	9/1/2018	4/1/2022
d	Construction / Implementation	1/1/2021	10/1/2022

**PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	6/1/2018	12/31/2021
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	6/1/2017	12/31/2021
d	Construction / Implementation	6/1/2020	12/31/2021

**PROJECT 13: Water System Improvements Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	3/30/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	6/1/2020
d	Construction / Implementation	6/1/2020	12/31/2021

**PROJECT 14: Water Tank Replacement Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	4/1/2021
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	4/1/2020	7/1/2020
d	Construction / Implementation	7/1/2020	11/30/2020

**PROJECT 15: Drought and Emergency Water Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	3/1/2020	4/30/2024
b	Land Purchase / Easement	1/1/2015	12/31/2015
c	Planning / Design / Engineering / Environmental Documentation	1/1/2017	7/1/2021
d	Construction / Implementation	5/1/2020	1/1/2024

**PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	3/1/2020	12/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	6/1/2021
d	Construction / Implementation	6/1/2021	10/1/2023

**PROJECT 17: Water System Emergency Generator Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	7/1/2020	10/1/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	7/1/2020	5/1/2021
d	Construction / Implementation	1/1/2021	7/1/2022



**PROJECT 18: South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	3/1/2020	6/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	3/31/2023
d	Construction / Implementation	6/1/2020	3/31/2023

**PROJECT 19: Sewer Improvements Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	7/1/2020	3/31/2022
b	Land Purchase / Easement	8/1/2020	12/31/2020
c	Planning / Design / Engineering / Environmental Documentation	8/1/2020	7/1/2021
d	Construction / Implementation	3/1/2021	12/31/2021

**PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	3/1/2020	3/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	6/15/2021
d	Construction / Implementation	1/1/2021	12/31/2021

**EXHIBIT D**

**STANDARD CONDITIONS**

- D.1. ACCOUNTING AND DEPOSIT OF FUNDING DISBURSEMENT:
- A. Separate Accounting of Funding Disbursements: Grantee shall account for the money disbursed pursuant to this Grant agreement separately from all other Grantee funds. Grantee shall maintain audit and accounting procedures that are in accordance with generally accepted accounting principles and practices, consistently applied. Grantee shall keep complete and accurate records of all receipts and disbursements on expenditures of such funds. Grantee shall require its contractors or subcontractors to maintain books, records, and other documents pertinent to their work in accordance with generally accepted accounting principles and practices. Records are subject to inspection by State at any and all reasonable times.
  - B. Disposition of Money Disbursed: All money disbursed pursuant to this Grant agreement shall be deposited in a non-interest bearing account, administered, and accounted for pursuant to the provisions of applicable law.
  - C. Remittance of Unexpended Funds: Grantee shall remit to State any unexpended funds that were disbursed to Grantee under this Grant agreement and were not used to pay Eligible Project Costs within a period of sixty (60) calendar days from the final disbursement from State to Grantee of funds or, within thirty (30) calendar days of the expiration of the Grant agreement, whichever comes first.
- D.2. ACKNOWLEDGEMENT OF CREDIT AND SIGNAGE: Grantee shall include appropriate acknowledgement of credit to the State for its support when promoting the Project or using any data and/or information developed under this Grant agreement. Signage shall be posted in a prominent location at Project site(s) (if applicable) or at the Grantee's headquarters and shall include the Department of Water Resources color logo and the following disclosure statement: "Funding for this project has been provided in full or in part from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 and through an agreement with the State Department of Water Resources." The Grantee shall also include in each of its contracts for work under this Agreement a provision that incorporates the requirements stated within this Paragraph.
- D.3. AMENDMENT: This Grant agreement may be amended at any time by mutual agreement of the Parties, except insofar as any proposed amendments are in any way contrary to applicable law. Requests by the Grantee for amendments must be in writing stating the amendment request and the reason for the request. Requests solely for a time extension must be submitted at least 90 days prior to the work completion date set forth in Paragraph 2. Any other request for an amendment must be submitted at least 180 days prior to the work completion date set forth in Paragraph 2. State shall have no obligation to agree to an amendment.
- D.4. AMERICANS WITH DISABILITIES ACT: By signing this Grant agreement, Grantee assures State that it complies with the Americans with Disabilities Act (ADA) of 1990, (42 U.S.C. § 12101 et seq.), which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA.
- D.5. AUDITS: State reserves the right to conduct an audit at any time between the execution of this Grant agreement and the completion of the Project, with the costs of such audit borne by State. After completion of the Project, State may require Grantee to conduct a final audit to State's specifications, at Grantee's expense, such audit to be conducted by and a report prepared by an independent Certified Public Accountant. Failure or refusal by Grantee to comply with this provision shall be considered a breach of this Grant agreement, and State may elect to pursue any remedies provided in Paragraph 12 or take any other action it deems necessary to protect its interests. The Grantee agrees it shall return any audit disallowances to the State.
- Pursuant to Government Code section 8546.7, the Grantee shall be subject to the examination and audit by the State for a period of three (3) years after final payment under this Grant agreement with respect of all matters connected with this Grant agreement, including but not limited to, the cost of

administering this Grant agreement. All records of Grantee or its contractor or subcontractors shall be preserved for this purpose for at least three (3) years after receipt of the final disbursement under this Agreement. If an audit reveals any impropriety, the Bureau of State Audits or the State Controller's Office may conduct a full audit of any or all of the Grantee's activities. Code, § 79708, subd. (b)

- D.6. BUDGET CONTINGENCY: If the Budget Act of the current year covered under this Grant agreement does not appropriate sufficient funds for this program, this Grant agreement shall be of no force and effect. This provision shall be construed as a condition precedent to the obligation of State to make any payments under this Grant agreement. In this event, State shall have no liability to pay any funds whatsoever to Grantee or to furnish any other considerations under this Grant agreement and Grantee shall not be obligated to perform any provisions of this Grant agreement. Nothing in this Grant agreement shall be construed to provide Grantee with a right of priority for payment over any other Grantee. If funding for any fiscal year after the current year covered by this Grant agreement is reduced or deleted by the Budget Act, by Executive Order, or by order of the Department of Finance, the State shall have the option to either cancel this Grant agreement with no liability occurring to State, or offer a Grant agreement amendment to Grantee to reflect the reduced amount.
- D.7. CALIFORNIA CONSERVATION CORPS: Grantee may use the services of the California Conservation Corps or other community conservation corps as defined in Public Resources Code section 14507.5.
- D.8. CEQA: Activities funded under this Grant agreement, regardless of funding source, must be in compliance with the California Environmental Quality Act (CEQA). (Pub. Resources Code, § 21000 et seq.) Any work that is subject to CEQA and funded under this Agreement shall not proceed until documents that satisfy the CEQA process are received by the State's Project Manager and the State has completed its CEQA compliance. Work funded under this Agreement that is subject to a CEQA document shall not proceed until and unless approved by the Department of Water Resources. Such approval is fully discretionary and shall constitute a condition precedent to any work for which it is required. If CEQA compliance by the Grantee is not complete at the time the State signs this Agreement, once State has considered the environmental documents, it may decide to require changes, alterations, or other mitigation to the Project; or to not fund the Project. Should the State decide to not fund the Project, this Agreement shall be terminated in accordance with Paragraph 12, "Default Provisions."
- D.9. CHILD SUPPORT COMPLIANCE ACT: The Grantee acknowledges in accordance with Public Contract Code section 7110, that:
- A. The Grantee recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Family Code section 5200 et seq.; and
  - B. The Grantee, to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.
- D.10. CLAIMS DISPUTE: Any claim that the Grantee may have regarding performance of this Agreement including, but not limited to, claims for additional compensation or extension of time, shall be submitted to the DWR Project Representative, within thirty (30) days of the Grantee's knowledge of the claim. State and Grantee shall then attempt to negotiate a resolution of such claim and process an amendment to this Agreement to implement the terms of any such resolution.
- D.11. COMPETITIVE BIDDING AND PROCUREMENTS: Grantee's contracts with other entities for the acquisition of goods and services and construction of public works with funds provided by State under this Grant agreement must be in writing and shall comply with all applicable laws and regulations regarding the securing of competitive bids and undertaking competitive negotiations. If the Grantee does not have a written policy to award contracts through a competitive bidding or sole source process, the Department of General Services' *State Contracting Manual* rules must be followed and

are available at: <https://www.dgs.ca.gov/OLS/Resources/Page-Content/Office-of-Legal-Services-Resources-List-Folder/State-Contracting>.

- D.12. COMPUTER SOFTWARE: Grantee certifies that it has appropriate systems and controls in place to ensure that state funds will not be used in the performance of this Grant agreement for the acquisition, operation, or maintenance of computer software in violation of copyright laws.
- D.13. CONFLICT OF INTEREST: All participants are subject to State and Federal conflict of interest laws. Failure to comply with these laws, including business and financial disclosure provisions, will result in the application being rejected and any subsequent contract being declared void. Other legal action may also be taken. Applicable statutes include, but are not limited to, Government Code section 1090 and Public Contract Code sections 10410 and 10411, for State conflict of interest requirements.
- A. Current State Employees: No State officer or employee shall engage in any employment, activity, or enterprise from which the officer or employee receives compensation or has a financial interest and which is sponsored or funded by any State agency, unless the employment, activity, or enterprise is required as a condition of regular State employment. No State officer or employee shall contract on his or her own behalf as an independent contractor with any State agency to provide goods or services.
  - B. Former State Employees: For the two-year period from the date he or she left State employment, no former State officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements, or any part of the decision-making process relevant to the contract while employed in any capacity by any State agency. For the twelve-month period from the date he or she left State employment, no former State officer or employee may enter into a contract with any State agency if he or she was employed by that State agency in a policy-making position in the same general subject area as the proposed contract within the twelve-month period prior to his or her leaving State service.
  - C. Employees of the Grantee: Employees of the Grantee shall comply with all applicable provisions of law pertaining to conflicts of interest, including but not limited to any applicable conflict of interest provisions of the California Political Reform Act. (Gov. Code, § 87100 et seq.)
  - D. Employees and Consultants to the Grantee: Individuals working on behalf of a Grantee may be required by the Department to file a Statement of Economic Interests (Fair Political Practices Commission Form 700) if it is determined that an individual is a consultant for Political Reform Act purposes.
- D.14. DELIVERY OF INFORMATION, REPORTS, AND DATA: Grantee agrees to expeditiously provide throughout the term of this Grant agreement, such reports, data, information, and certifications as may be reasonably required by State.
- D.15. DISPOSITION OF EQUIPMENT: Grantee shall provide to State, not less than thirty (30) calendar days prior to submission of the final invoice, an itemized inventory of equipment purchased with funds provided by State. The inventory shall include all items with a current estimated fair market value of more than \$5,000.00 per item. Within sixty (60) calendar days of receipt of such inventory State shall provide Grantee with a list of the items on the inventory that State will take title to. All other items shall become the property of Grantee. State shall arrange for delivery from Grantee of items that it takes title to. Cost of transportation, if any, shall be borne by State.
- D.16. DRUG-FREE WORKPLACE CERTIFICATION: Certification of Compliance: By signing this Grant agreement, Grantee, its contractors or subcontractors hereby certify, under penalty of perjury under the laws of State of California, compliance with the requirements of the Drug-Free Workplace Act of 1990 (Gov. Code, § 8350 et seq.) and have or will provide a drug-free workplace by taking the following actions:
- A. Publish a statement notifying employees, contractors, and subcontractors that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees, contractors, or subcontractors for violations, as required by Government Code section 8355.

- B. Establish a Drug-Free Awareness Program, as required by Government Code section 8355 to inform employees, contractors, or subcontractors about all of the following:
  - i. The dangers of drug abuse in the workplace,
  - ii. Grantee's policy of maintaining a drug-free workplace,
  - iii. Any available counseling, rehabilitation, and employee assistance programs, and
  - iv. Penalties that may be imposed upon employees, contractors, and subcontractors for drug abuse violations.
- C. Provide, as required by Government Code section 8355, that every employee, contractor, and/or subcontractor who works under this Grant agreement:
  - i. Will receive a copy of Grantee's drug-free policy statement, and
  - ii. Will agree to abide by terms of Grantee's condition of employment, contract or subcontract.

D.17. EASEMENTS: Where the Grantee acquires property in fee title or funds improvements to real property already owned in fee by the Grantee using State funds provided through this Grant agreement, an appropriate easement or other title restriction providing for floodplain preservation and agricultural and/or wildlife habitat conservation for the subject property in perpetuity, approved by the State, shall be conveyed to a regulatory or trustee agency or conservation group acceptable to the State. The easement or other title restriction must be in first position ahead of any recorded mortgage or lien on the property unless this requirement is waived by the State.

Where the Grantee acquires an easement under this Agreement, the Grantee agrees to monitor and enforce the terms of the easement, unless the easement is subsequently transferred to another land management or conservation organization or entity with State permission, at which time monitoring and enforcement responsibilities will transfer to the new easement owner.

Failure to provide an easement acceptable to the State may result in termination of this Agreement.

D.18. FINAL INSPECTIONS AND CERTIFICATION OF REGISTERED PROFESSIONAL: Upon completion of the Project, Grantee shall provide for a final inspection and certification by a California Registered Professional (i.e., Professional Civil Engineer, Engineering Geologist), that the Project has been completed in accordance with submitted final plans and specifications and any modifications thereto and in accordance with this Grant agreement.

D.19. GRANTEE'S RESPONSIBILITIES: Grantee and its representatives shall:

- A. Faithfully and expeditiously perform or cause to be performed all project work as described in Exhibit A and in accordance with Exhibits B and C.
- B. Accept and agree to comply with all terms, provisions, conditions, and written commitments of this Grant agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by Grantee in the application, documents, amendments, and communications filed in support of its request for funding.
- C. Comply with all applicable California, federal, and local laws and regulations.
- D. Implement the Project in accordance with applicable provisions of the law.
- E. Fulfill its obligations under the Grant agreement and be responsible for the performance of the Project.
- F. Obtain any and all permits, licenses, and approvals required for performing any work under this Grant agreement, including those necessary to perform design, construction, or operation and maintenance of the Project. Grantee shall provide copies of permits and approvals to State.
- G. Be solely responsible for design, construction, and operation and maintenance of projects within the work plan. Review or approval of plans, specifications, bid documents, or other construction documents by State is solely for the purpose of proper administration of funds by State and shall not be deemed to relieve or restrict responsibilities of Grantee under this Agreement.
- H. Be solely responsible for all work and for persons or entities engaged in work performed pursuant to this Agreement, including, but not limited to, contractors, subcontractors, suppliers, and providers of services. The Grantee shall be responsible for any and all disputes arising out of its contracts for work on the Project, including but not limited to payment disputes with contractors and subcontractors. The State will not mediate disputes between the Grantee and any other entity concerning responsibility for performance of work.

- D.20. GOVERNING LAW: This Grant agreement is governed by and shall be interpreted in accordance with the laws of the State of California.
- D.21. INCOME RESTRICTIONS: The Grantee agrees that any refunds, rebates, credits, or other amounts (including any interest thereon) accruing to or received by the Grantee under this Agreement shall be paid by the Grantee to the State, to the extent that they are properly allocable to costs for which the Grantee has been reimbursed by the State under this Agreement. The Grantee shall also include in each of its contracts for work under this Agreement a provision that incorporates the requirements stated within this Paragraph.
- D.22. INDEMNIFICATION: Grantee shall indemnify and hold and save the State, its officers, agents, and employees, free and harmless from any and all liabilities for any claims and damages (including inverse condemnation) that may arise out of the Project and this Agreement, including, but not limited to any claims or damages arising from planning, design, construction, maintenance and/or operation of levee rehabilitation measures for this Project and any breach of this Agreement. Grantee shall require its contractors or subcontractors to name the State, its officers, agents and employees as additional insureds on their liability insurance for activities undertaken pursuant to this Agreement.
- D.23. INDEPENDENT CAPACITY: Grantee, and the agents and employees of Grantees, in the performance of the Grant agreement, shall act in an independent capacity and not as officers, employees, or agents of the State.
- D.24. INSPECTION OF BOOKS, RECORDS, AND REPORTS: During regular office hours, each of the parties hereto and their duly authorized representatives shall have the right to inspect and to make copies of any books, records, or reports of either party pertaining to this Grant agreement or matters related hereto. Each of the parties hereto shall maintain and shall make available at all times for such inspection accurate records of all its costs, disbursements, and receipts with respect to its activities under this Grant agreement. Failure or refusal by Grantee to comply with this provision shall be considered a breach of this Grant agreement, and State may withhold disbursements to Grantee or take any other action it deems necessary to protect its interests.
- D.25. INSPECTIONS OF PROJECT BY STATE: State shall have the right to inspect the work being performed at any and all reasonable times during the term of the Grant agreement. This right shall extend to any subcontracts, and Grantee shall include provisions ensuring such access in all its contracts or subcontracts entered into pursuant to its Grant agreement with State.
- D.26. LABOR CODE COMPLIANCE: The Grantee agrees to be bound by all the provisions of the Labor Code regarding prevailing wages and shall monitor all contracts subject to reimbursement from this Agreement to assure that the prevailing wage provisions of the Labor Code are being met. Current Department of Industrial Relations (DIR) requirements may be found at: <http://www.dir.ca.gov/lcp.asp>. For more information, please refer to DIR's *Public Works Manual* at: <https://www.dir.ca.gov/dlse/PWManualCombined.pdf>. The Grantee affirms that it is aware of the provisions of section 3700 of the Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance, and the Grantee affirms that it will comply with such provisions before commencing the performance of the work under this Agreement and will make its contractors and subcontractors aware of this provision.
- D.27. MODIFICATION OF OVERALL WORK PLAN: At the request of the Grantee, the State may at its sole discretion approve non-material changes to the portions of Exhibits A, B, and C which concern the budget and schedule without formally amending this Grant agreement. Non-material changes with respect to the budget are changes that only result in reallocation of the budget and will not result in an increase in the amount of the State Grant agreement. Non-material changes with respect to the Project schedule are changes that will not extend the term of this Grant agreement. Requests for non-material changes to the budget and schedule must be submitted by the Grantee to the State in writing and are not effective unless and until specifically approved by the State's Program Manager in writing.

- D.28. **NONDISCRIMINATION:** During the performance of this Grant agreement, Grantee and its contractors or subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex (gender), sexual orientation, race, color, ancestry, religion, creed, national origin (including language use restriction), pregnancy, physical disability (including HIV and AIDS), mental disability, medical condition (cancer/genetic characteristics), age (over 40), marital status, and denial of medial and family care leave or pregnancy disability leave. Grantee and its contractors or subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Grantee and its contractors or subcontractors shall comply with the provisions of the California Fair Employment and Housing Act (Gov. Code, § 12990.) and the applicable regulations promulgated there under (Cal. Code Regs., tit. 2, § 11000 et seq.). The applicable regulations of the Fair Employment and Housing are incorporated into this Agreement by reference. Grantee and its contractors or subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. Grantee shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Grant agreement.
- D.29. **OPINIONS AND DETERMINATIONS:** Where the terms of this Grant agreement provide for action to be based upon, judgment, approval, review, or determination of either party hereto, such terms are not intended to be and shall never be construed as permitting such opinion, judgment, approval, review, or determination to be arbitrary, capricious, or unreasonable.
- D.30. **PERFORMANCE BOND:** Where contractors are used, the Grantee shall not authorize construction to begin until each contractor has furnished a performance bond in favor of the Grantee in the following amounts: faithful performance (100%) of contract value, and labor and materials (100%) of contract value. This requirement shall not apply to any contract for less than \$25,000.00. Any bond issued pursuant to this paragraph must be issued by a California-admitted surety. (Pub. Contract Code, § 7103; Code Civ. Proc., § 995.311.)
- D.31. **PRIORITY HIRING CONSIDERATIONS:** If this Grant agreement includes services in excess of \$200,000, the Grantee shall give priority consideration in filling vacancies in positions funded by the Grant agreement to qualified recipients of aid under Welfare and Institutions Code section 11200 in accordance with Public Contract Code section 10353.
- D.32. **PROHIBITION AGAINST DISPOSAL OF PROJECT WITHOUT STATE PERMISSION:** The Grantee shall not sell, abandon, lease, transfer, exchange, mortgage, hypothecate, or encumber in any manner whatsoever all or any portion of any real or other property necessarily connected or used in conjunction with the Project, or with Grantee's service of water, without prior permission of State. Grantee shall not take any action, including but not limited to actions relating to user fees, charges, and assessments that could adversely affect the ability of Grantee meet its obligations under this Grant agreement, without prior written permission of State. State may require that the proceeds from the disposition of any real or personal property be remitted to State.
- D.33. **PROJECT ACCESS:** The Grantee shall ensure that the State, the Governor of the State, or any authorized representative of the foregoing, will have safe and suitable access to the Project site at all reasonable times during Project construction and thereafter for the term of this Agreement.
- D.34. **REMAINING BALANCE:** In the event the Grantee does not submit invoices requesting all of the funds encumbered under this Grant Agreement, any remaining funds revert to the State. The State will notify the Grantee stating that the Project file is closed and any remaining balance will be disencumbered and unavailable for further use under this Grant Agreement.
- D.35. **REMEDIES NOT EXCLUSIVE:** The use by either party of any remedy specified herein for the enforcement of this Grant agreement is not exclusive and shall not deprive the party using such remedy of, or limit the application of, any other remedy provided by law.

- D.36. RETENTION: The State shall withhold ten percent (10%) of the funds, for each project, until the project is complete, and a Final Project Report is approved and accepted by DWR. If a project has multiple Components (within a project), at the State's discretion and upon a written request by the Grantee, any retained amount attributable to a single component may be released when that component is complete and the Final Component Completion Report is approved. Upon approval of the Final Project Report and/or Final Component Completion Report, any retained amounts due to the Grantee will be promptly disbursed to the Grantee, without interest.
- D.37. RIGHTS IN DATA: Grantee agrees that all data, plans, drawings, specifications, reports, computer programs, operating manuals, notes and other written or graphic work produced in the performance of this Grant agreement shall be made available to the State and shall be in the public domain to the extent to which release of such materials is required under the California Public Records Act. (Gov. Code, § 6250 et seq.) Grantee may disclose, disseminate and use in whole or in part, any final form data and information received, collected and developed under this Grant agreement, subject to appropriate acknowledgement of credit to State for financial support. Grantee shall not utilize the materials for any profit-making venture or sell or grant rights to a third party who intends to do so. The State shall have the right to use any data described in this paragraph for any public purpose.
- D.38. SEVERABILITY: Should any portion of this Grant agreement be determined to be void or unenforceable, such shall be severed from the whole and the Grant agreement shall continue as modified.
- D.39. SUSPENSION OF PAYMENTS: This Grant agreement may be subject to suspension of payments or termination, or both if the State determines that:
- A. Grantee, its contractors, or subcontractors have made a false certification, or
  - B. Grantee, its contractors, or subcontractors violates the certification by failing to carry out the requirements noted in this Grant agreement.
- D.40. SUCCESSORS AND ASSIGNS: This Grant agreement and all of its provisions shall apply to and bind the successors and assigns of the parties. No assignment or transfer of this Grant agreement or any part thereof, rights hereunder, or interest herein by the Grantee shall be valid unless and until it is approved by State and made subject to such reasonable terms and conditions as State may impose.
- D.41. TERMINATION BY GRANTEE: Subject to State approval which may be reasonably withheld, Grantee may terminate this Agreement and be relieved of contractual obligations. In doing so, Grantee must provide a reason(s) for termination. Grantee must submit all progress reports summarizing accomplishments up until termination date.
- D.42. TERMINATION FOR CAUSE: Subject to the right to cure under Paragraph 12, "Default Provisions," the State may terminate this Grant agreement and be relieved of any payments should Grantee fail to perform the requirements of this Grant agreement at the time and in the manner herein, provided including but not limited to reasons of default under Paragraph 12, "Default Provisions."
- D.43. TERMINATION WITHOUT CAUSE: The State may terminate this Agreement without cause on 30 days' advance written notice. The Grantee shall be reimbursed for all reasonable expenses incurred up to the date of termination.
- D.44. THIRD PARTY BENEFICIARIES: The parties to this Agreement do not intend to create rights in, or grant remedies to, any third party as a beneficiary of this Agreement, or any duty, covenant, obligation or understanding established herein.
- D.45. TIMELINESS: Time is of the essence in this Grant agreement.
- D.46. TRAVEL – DAC, EDA, TRIBES PROJECT: Travel is only an eligible reimbursable expense for projects providing at least 75% of benefits to DACs, EDAs, and/or Tribes (based on population or geographic area). Only ground transportation and lodging are eligible for grant reimbursement. Per diem costs will not be eligible for grant reimbursement. Any reimbursement for necessary travel shall be at rates not



to exceed those set by the California Department of Human Resources. These rates may be found at: <http://www.calhr.ca.gov/employees/Pages/travel-reimbursements.aspx>. Reimbursement will be at the State travel amounts that are current as of the date costs are incurred. No travel outside of the IRWM region shall be reimbursed unless prior written authorization is obtained from the State.

- D.47. UNION ORGANIZING: Grantee, by signing this Grant agreement, hereby acknowledges the applicability of Government Code sections 16645 through 16649 to this Grant agreement. Furthermore, Grantee, by signing this Grant agreement, hereby certifies that:
- A. No State funds disbursed by this Grant agreement will be used to assist, promote, or deter union organizing.
  - B. Grantee shall account for State funds disbursed for a specific expenditure by this Grant agreement to show those funds were allocated to that expenditure.
  - C. Grantee shall, where State funds are not designated as described in (b) above, allocate, on a pro rata basis, all disbursements that support the program.
  - D. If Grantee makes expenditures to assist, promote, or deter union organizing, Grantee will maintain records sufficient to show that no State funds were used for those expenditures and that Grantee shall provide those records to the Attorney General upon request.
- D.48. VENUE: The State and the Grantee hereby agree that any action arising out of this Agreement shall be filed and maintained in the Superior Court in and for the County of Sacramento, California, or in the United States District Court in and for the Eastern District of California. The Grantee hereby waives any existing sovereign immunity for the purposes of this Agreement.
- D.49. WAIVER OF RIGHTS: None of the provisions of this Grant agreement shall be deemed waived unless expressly waived in writing. It is the intention of the parties here to that from time to time either party may waive any of its rights under this Grant agreement unless contrary to law. Any waiver by either party of rights arising in connection with the Grant agreement shall not be deemed to be a waiver with respect to any other rights or matters, and such provisions shall continue in full force and effect.

**EXHIBIT E**

**AUTHORIZING RESOLUTION**

**BOARD OF SUPERVISORS, COUNTY OF HUMBOLDT, STATE OF CALIFORNIA**

Certified copy of portion of proceedings, Meeting of August 27, 2019

**RESOLUTION NO. 19-85**

**RESOLUTION OF THE HUMBOLDT COUNTY BOARD OF SUPERVISORS AUTHORIZING THE HUMBOLDT COUNTY DEPARTMENT OF PUBLIC WORKS TO SUBMIT AN APPLICATION TO THE CALIFORNIA DEPARTMENT OF WATER RESOURCES TO OBTAIN A PROPOSITION 1, ROUND 1 INTEGRATED REGIONAL WATER MANAGEMENT IMPLEMENTATION GRANT PURSUANT TO THE WATER QUALITY, SUPPLY, AND INFRASTRUCTURE IMPROVEMENT ACT OF 2014 (CALIFORNIA WATER CODE SECTIONS 79700, *ET SEQ.*)**

**WHEREAS**, in 2004 the North Coast Resource Partnership ("NCRP") was formed as a water management collaborative between Humboldt, Sonoma, Modoc, Mendocino, Trinity, Del Norte and Siskiyou Counties in order to develop a North Coast Integrated Regional Water Management ("IRWM") Plan; and

**WHEREAS**, in 2006 the NCRP Policy Review Panel unanimously appointed the County of Humboldt to act as the Regional Contract Administrator for NCRP grants; and

**WHEREAS**, in 2010, 2011, 2013, 2014, and 2015 the County of Humboldt, on behalf of the NCRP, applied for, received and administered planning and implementation project grants made available by the California Department of Water Resources ("DWR"); and

**WHEREAS**, on November 4, 2014, California voters approved Proposition 1, which authorized the appropriation of Five Hundred Ten Million Dollars (\$510,000,000.00) in Integrated Regional Water Management Grant funding; and

**WHEREAS**, in April 2019, DWR released a proposal solicitation package for Proposition 1, Round 1 Integrated Regional Water Management Implementation Grant funding;

**WHEREAS**, the NCRP is preparing an application package which includes twenty (20) proposed projects that total Twelve Million Seven Hundred Twenty Thousand Dollars (\$12,720,000.00) for submission to DWR.

**NOW, THEREFORE, THE HUMBOLDT COUNTY BOARD OF SUPERVISORS HEREBY RESOLVES AS FOLLOWS:**

1. The Humboldt County Department of Public Works Director, or a designee thereof, is hereby authorized to submit an application and any other documents required, or deemed necessary, to obtain a Proposition 1, Round 1 Integrated Regional Water Management Implementation Grant pursuant to the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (California Water Code Sections 79700, *et seq.*).
2. If the County of Humboldt's application for the North Coast Resource Partnership 2019 Proposition 1 IRWM Project Grant is approved by DWR, the Humboldt County Department of Public Works Director, or a designee thereof, is hereby authorized to prepare any and all data, conduct any and all investigations and enter into, execute and file or deliver any and all

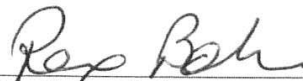
**BOARD OF SUPERVISORS, COUNTY OF HUMBOLDT, STATE OF CALIFORNIA**  
Certified copy of portion of proceedings, Meeting of August 27, 2019

RESOLUTION NO. 19-85

documents, including, without limitation, grant agreements, subgrantee agreements and agreement amendments, that are required, or deemed necessary to secure such funding.

////

Dated: August 27, 2019

  
\_\_\_\_\_  
Rex Bohn, Chair  
Humboldt County Board of Supervisors

Adopted on motion by Supervisor Wilson, seconded by Supervisor Fennell, and the following vote:

AYES:	Supervisors	Bohn, Fennell, Wilson, Bass
NAYS:	Supervisors	--
ABSENT:	Supervisors	Madrone
ABSTAIN:	Supervisors	--

STATE OF CALIFORNIA    )  
County of Humboldt     )

I, KATHY HAYES, Clerk of the Board of Supervisors, County of Humboldt, State of California, do hereby certify the foregoing to be an original made in the above-entitled matter by said Board of Supervisors at a meeting held in Eureka, California.


IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Seal of said Board of Supervisors.


The within instrument is a full, true  
and correct copy of the original on  
file in this office.

ATTEST:

KATHY HAYES  
Clerk of the Board of Supervisors  
of the County of Humboldt,  
State of California

By

  
\_\_\_\_\_  
Ryan Sharp, Deputy

  
\_\_\_\_\_  
Ryan Sharp  
Deputy Clerk of the Board of Supervisors of  
the County of Humboldt, State of California

## EXHIBIT F

### REPORT FORMATS AND REQUIREMENTS

The following reporting formats should be utilized. Please obtain State approval prior to submitting a report in an alternative format.

#### **PROGRESS REPORTS**

Progress reports shall generally use the following format. This format may be modified as necessary to effectively communicate information. For each project, discuss the following at the task level, as organized in Exhibit A:

- Percent complete (by work)
- Discussion of work accomplished during the reporting period.
- Milestones or deliverables completed/submitted during the reporting period.
- Meetings held or attended.
- Scheduling concerns and issues encountered that may delay completion of the task.
- Budget projections for grant share for the next two quarters

For each project, discuss the following at the project level, as organized in Exhibit A:

- Work anticipated for the next reporting period.
- Photo documentation, as appropriate.
- Any schedule or budget modifications approved by DWR during the reporting period.

#### **PROJECT COMPLETION REPORT**

The Project Completion Report (or a Component Completion Report, if a Project has multiple Components) shall generally use the following format provided below for each project after completion.

##### **Executive Summary**

The Executive Summary should include a brief summary of project information and include the following items:

- Brief description of work proposed to be done in the original Grant application.
- List any official amendments to this Grant Agreement, with a short description of the amendment.

##### **Reports and/or Products**

The following items should be provided, unless already submitted as a deliverable:

- A copy of any final technical report or study, produced for or utilized in this Project as described in the Exhibit A
- Electronic copies of any data collected, not previously submitted
- Discussion of problems that occurred during the work and how those problems were resolved
- Final project schedule showing actual progress versus planned progress as shown in Exhibit C

Additional information that may be applicable for implementation projects includes the following:

- Record drawings
- Final geodetic survey information
- Project photos

##### **Cost & Disposition of Funds**

A list showing:

- Summary of Project costs including the following items:
  - Accounting of the cost of project expenditure;
  - Include all internal and external costs not previously disclosed (i.e., additional cost share); and
  - A discussion of factors that positively or negatively affected the project cost and any deviation from the original Project cost estimate.

#### **Additional Information**

- Benefits derived from the Project, with quantification of such benefits provided.
- If applicable, Certification from a California Registered Professional (Civil Engineer or Geologist, as appropriate), consistent with Exhibit D, that the project was conducted in accordance with the approved Work Plan in Exhibit A and any approved amendments thereto.
- Submittal schedule for the Post Performance Report.

#### **GRANT COMPLETION REPORT**

The Grant Completion Report shall generally use the following format. This format may be modified as necessary to effectively communicate information on the various projects funded by this Grant Agreement, and includes the following:

- Executive Summary: consisting of a maximum of ten (10) pages summarizing information for the grant as well as the individual projects.
- Brief discussion of: each project completed and how they achieved IRWM Plan objectives and/or Regional goals and whether the level, type, or magnitude of benefits of the project are comparable to the original project proposal; any remaining work to be completed and mechanism for their implementation; the benefits to DAC and/or EDA as part of this Grant Agreement if a DAC or EDA Cost Share Waiver was approved for a project; and a summary of final funds disbursement for each project.

**Additional Information:** Summary of the submittal schedule for the Post Performance Reports applicable for the projects in this Grant Agreement.

#### **POST-PERFORMANCE REPORT**

The Post-Performance Report (PPR) should be concise and focus on how each project is performing compared to its expected performance; whether the project is being operated and maintained and providing intended benefits as proposed. A PPR template may be provided by the assigned DWR Grant Manager upon request. The PPR should follow the general format of the template and provide requested information as applicable. The following information, at a minimum, shall be provided:

#### **Reports and/or products**

- Header including the following:
  - Grantee Name
  - Implementing Agency (if different from Grantee)
  - Grant Agreement Number
  - Project Name
  - Funding grant source (i.e., 2019 Proposition 1 IRWM Implementation Grant)
  - Report number
- Post-Performance Report schedule
- Time period of the annual report (e.g., January 2018 through December 2018)
- Project Description Summary
- Discussion of the project benefits

- An assessment of any differences between the expected versus actual project benefits as stated in the original application. Where applicable, the reporting should include quantitative metrics (e.g., new acre-feet of water produced that year, etc.).
- Summary of any additional costs and/or benefits deriving from the project since its completion, if applicable.
- Any additional information relevant to or generated by the continued operation of the project.

## EXHIBIT G

### REQUIREMENTS FOR DATA SUBMITTAL

#### **Surface and Groundwater Quality Data:**

Groundwater quality and ambient surface water quality monitoring data that include chemical, physical, or biological data shall be submitted to the State as described below, with a narrative description of data submittal activities included in project reports.

Surface water quality monitoring data shall be prepared for submission to the California Environmental Data Exchange Network (CEDEN). The CEDEN data templates are available on the CEDEN website. Inclusion of additional data elements described on the data templates is desirable. Data ready for submission should be uploaded to your CEDEN Regional Data Center via the CEDEN website. CEDEN website: <http://www.ceden.org>.

If a project's Work Plan contains a groundwater ambient monitoring element, groundwater quality monitoring data shall be submitted to the State for inclusion in the State Water Resources Control Board's Groundwater Ambient Monitoring and Assessment (GAMA) Program. Information on the GAMA Program can be obtained at: [https://www.waterboards.ca.gov/water\\_issues/programs/gama/](https://www.waterboards.ca.gov/water_issues/programs/gama/). If further information is required, the Grantee can contact the State Water Resources Control Board (SWRCB) GAMA Program. A listing of SWRCB staff involved in the GAMA program can be found at: [https://www.waterboards.ca.gov/water\\_issues/programs/gama/contact.shtml](https://www.waterboards.ca.gov/water_issues/programs/gama/contact.shtml).

#### **Groundwater Level Data**

For each project that collects groundwater level data, the Grantee will need to submit this data to DWR's Water Data Library (WDL), with a narrative description of data submittal activities included in project reports, as described in Exhibit F, "Report Formats and Requirements." Information regarding the WDL and in what format to submit data in can be found at: <http://www.water.ca.gov/waterdatalibrary/>.

## EXHIBIT H

### STATE AUDIT DOCUMENT REQUIREMENTS FOR THE GRANTEE

The following provides a list of documents typically required by State Auditors and general guidelines for the Grantee. List of documents pertains to both State funding and the Grantee's Local Cost Share and details the documents/records that State Auditors would need to review in the event of this Grant Agreement is audited. The Grantee should ensure that such records are maintained for each funded project.

#### State Audit Document Requirements

##### Internal Controls

1. Organization chart (e.g., Agency's overall organization chart and organization chart for the State funded Program/Project).
2. Written internal procedures and flowcharts for the following:
  - a) Receipts and deposits
  - b) Disbursements
  - c) State reimbursement requests
  - d) Expenditure tracking of State funds
  - e) Guidelines, policy, and procedures on State funded Program/Project
3. Audit reports of the Agency internal control structure and/or financial statements within the last two years.
4. Prior audit reports on the State funded Program/Project.

##### State Funding:

1. Original Grant Agreement, any amendment(s) and budget modification documents.
2. A listing of all bond-funded grants, loans, or subventions received from the State.
3. A listing of all other funding sources for each Program/Project.

##### Contracts:

1. All subcontractor and consultant contracts and related or partners' documents, if applicable.
2. Contracts between the Agency and member agencies as related to the State funded Program/Project.

##### Invoices:

1. Invoices from vendors and subcontractors for expenditures submitted to the State for payments under the Grant Agreement.
2. Documentation linking subcontractor invoices to State reimbursement, requests and related Grant Agreement budget line items.
3. Reimbursement requests submitted to the State for the Grant Agreement.

##### Cash Documents:

1. Receipts (copies of warrants) showing payments received from the State.
2. Deposit slips (or bank statements) showing deposit of the payments received from the State.
3. Cancelled checks or disbursement documents showing payments made to vendors, subcontractors, consultants, and/or agents under the grants or loans.
4. Bank statements showing the deposit of the receipts.

##### Accounting Records:

1. Ledgers showing entries for funding receipts and cash disbursements.
2. Ledgers showing receipts and cash disbursement entries of other funding sources.
3. Bridging documents that tie the general ledger to requests for Grant Agreement reimbursement.

##### Administration Costs:

1. Supporting documents showing the calculation of administration costs.

##### Personnel:

1. List of all contractors and Agency staff that worked on the State funded Program/Project.



2. Payroll records including timesheets for contractor staff and the Agency personnel who provided services charged to the program

Project Files:

1. All supporting documentation maintained in the project files.
2. All Grant Agreement related correspondence.

**EXHIBIT I****LOCAL PROJECT SPONSORS AND PROJECT LOCATIONS**

The Grantee has assigned, for each project, a Local Project Sponsor (LPS) according to the roles of the participating agencies identified in the IRWM Plan. LPSs may act on behalf of the Grantee for the purposes of individual project management, oversight, compliance, and operations and maintenance. LPSs are identified for each sponsored Project below:

**Local Project Sponsor Agency Designation**


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**Sponsored Project:** Project 1: Water Storage Project

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**Sponsor Agency:** Blue Lake Rancheria

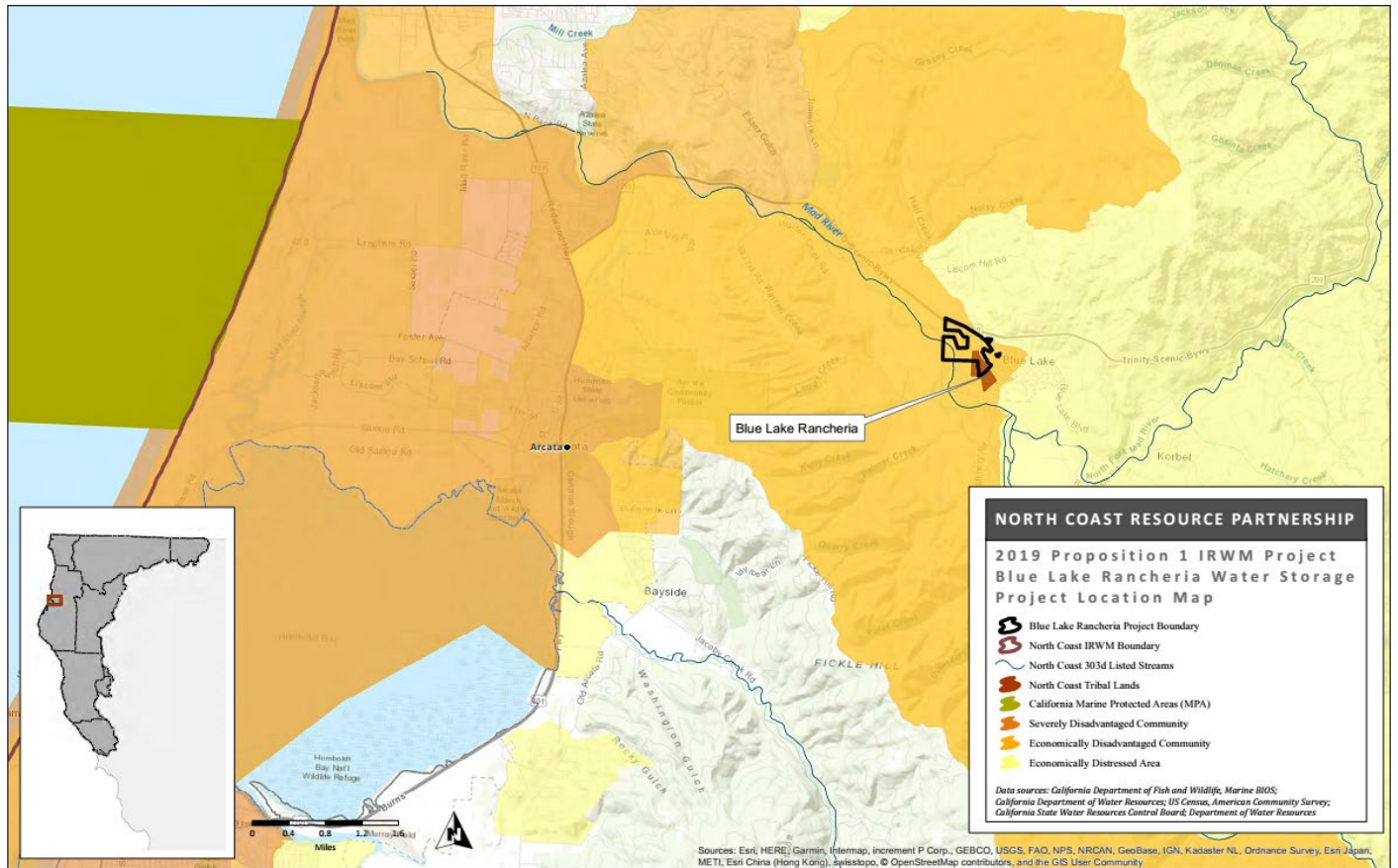
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**Agency Address:** P.O. Box 428, Blue Lake, CA 95525

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**Project Location:** Blue Lake, California (40.883549, -123.998664)

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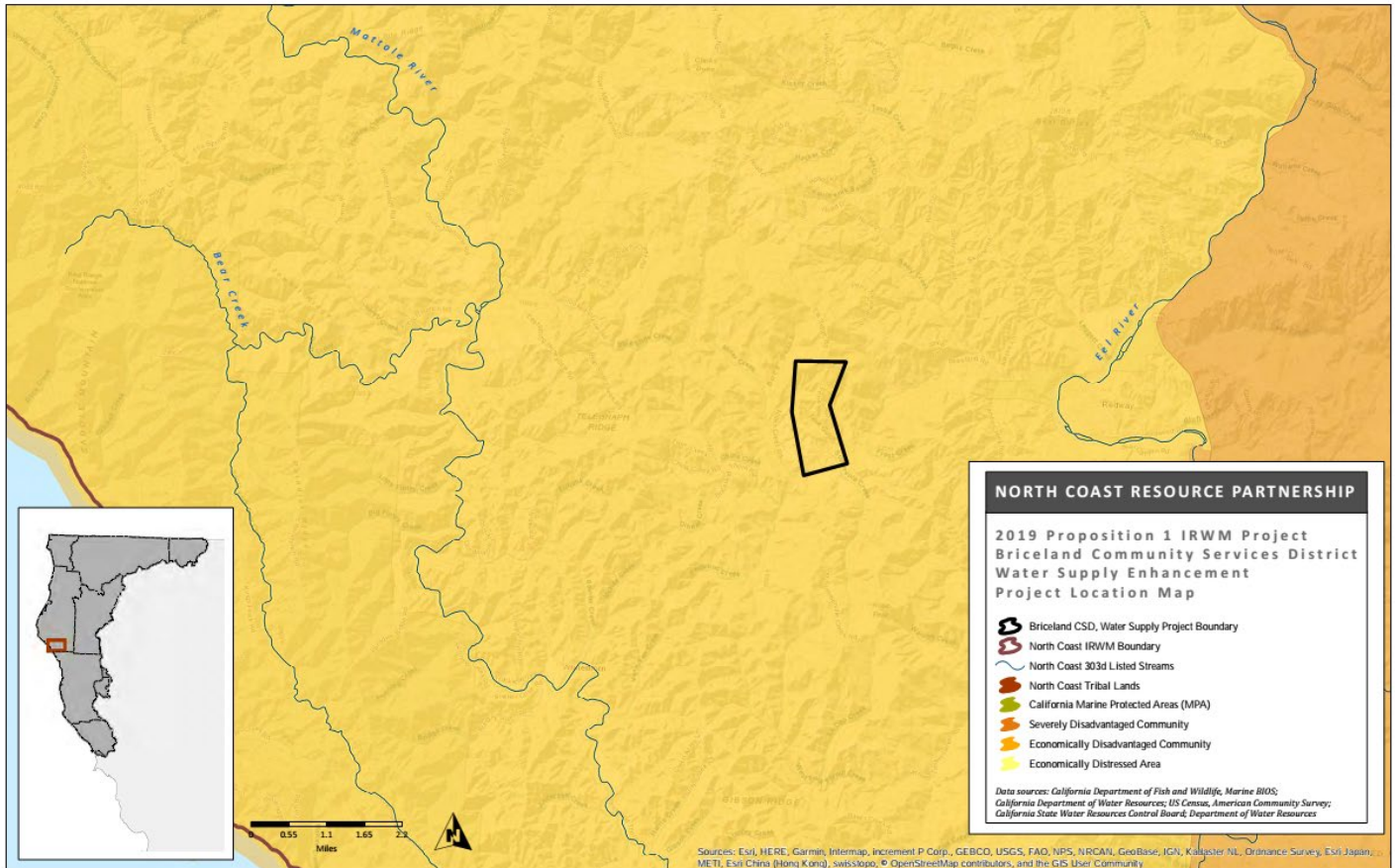
**Local Project Sponsor Agency Designation**

**Sponsored Project:** Project 2: Water Supply Enhancement Project

**Sponsor Agency:** Briceland Community Services District

**Agency Address:** P.O. Box 2013, Redway, CA 95560

**Project Location:** Briceland, California (40.064746, -123.541003)





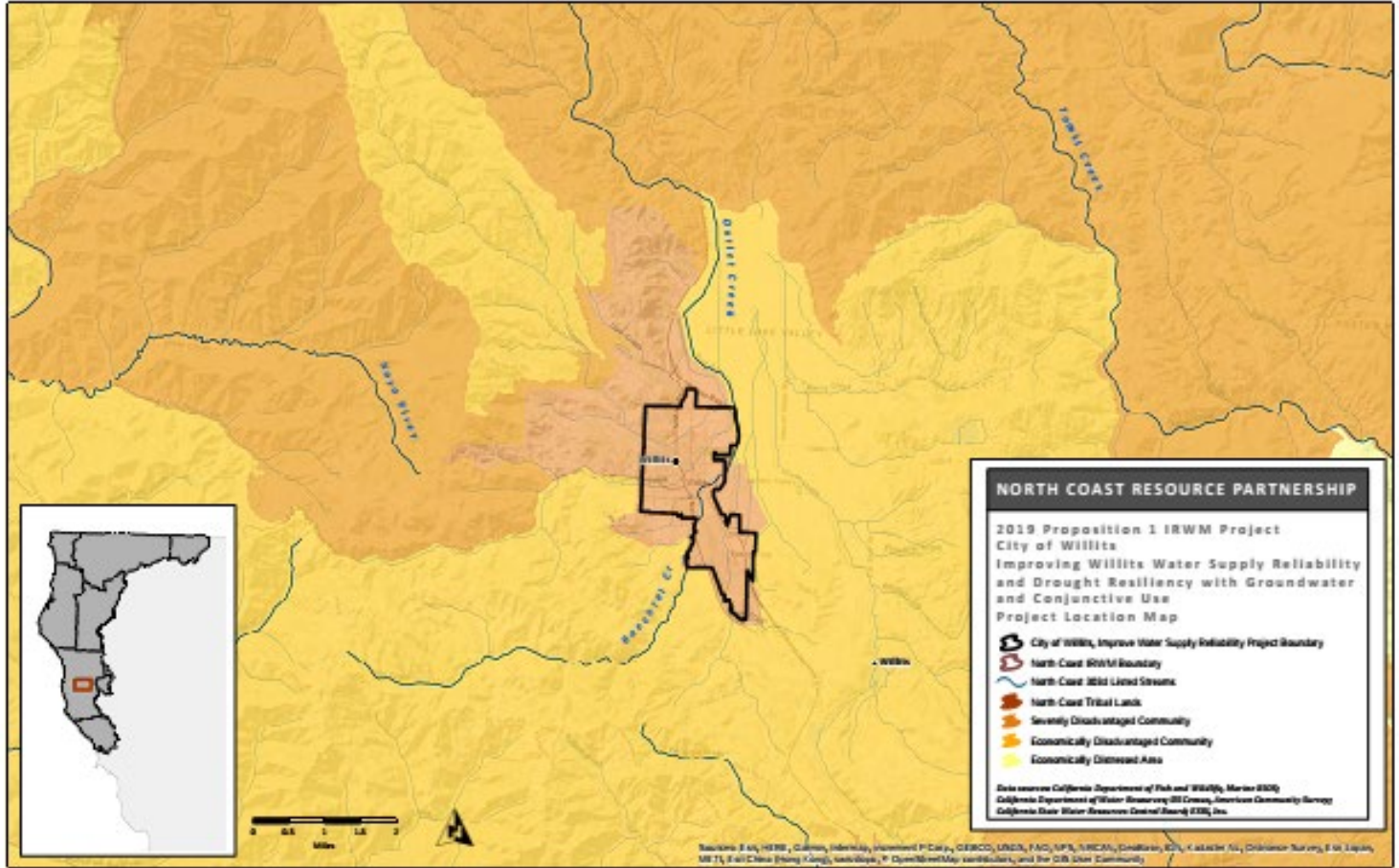
<b>Sponsored Project:</b>	Project 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use
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**Sponsor Agency:** City of Willits

**Agency Address:** 111 E. Commercial Street, Willits, CA 95490

**Project Location:** Willits, California (39.394375, -123.323934)



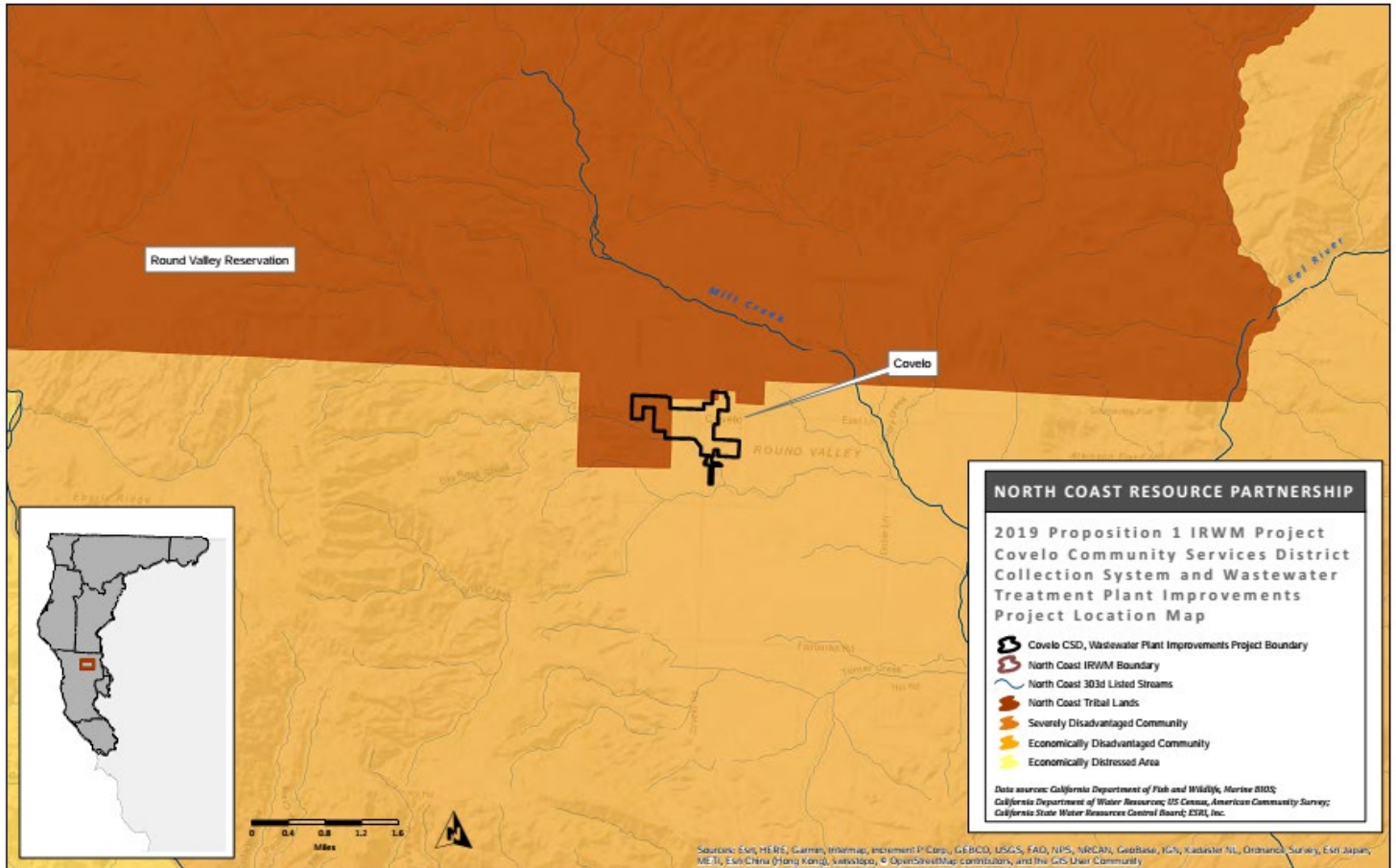
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 5: Collection System and Wastewater Treatment Plant Improvements

**Sponsor Agency:** Covelo Community Services District

**Agency Address:** 75997 Covelo Rd, Covelo, CA 95428

**Project Location:** Covelo, California (39.790869, -123.249394)



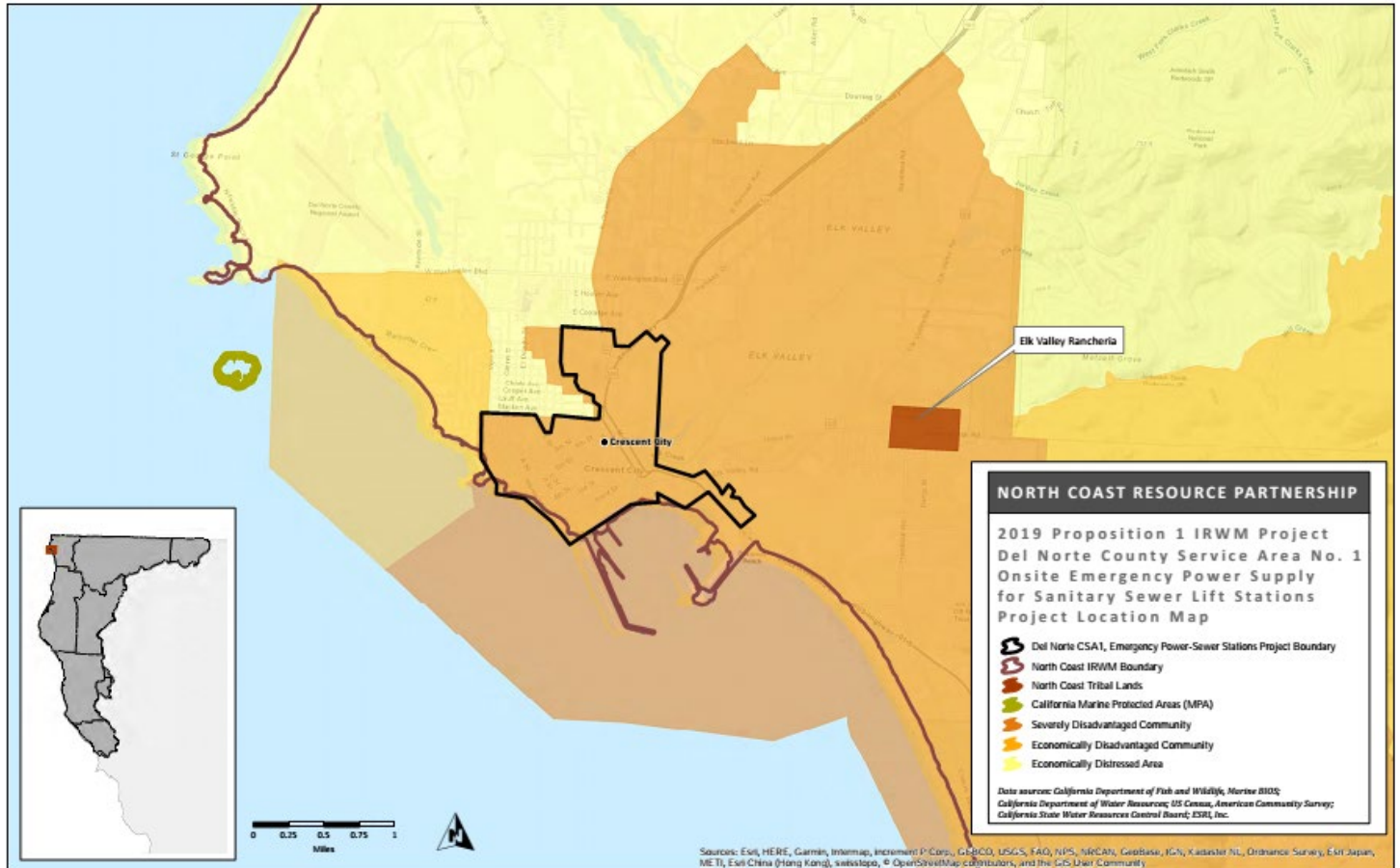
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations

**Sponsor Agency:** Del Norte County Service Area No. 1

**Agency Address:** 981 H St. Suite 110, Crescent City, CA 95531

**Project Location:** Crescent City, California (41.770934, -124.195188)



### Local Project Sponsor Agency Designation

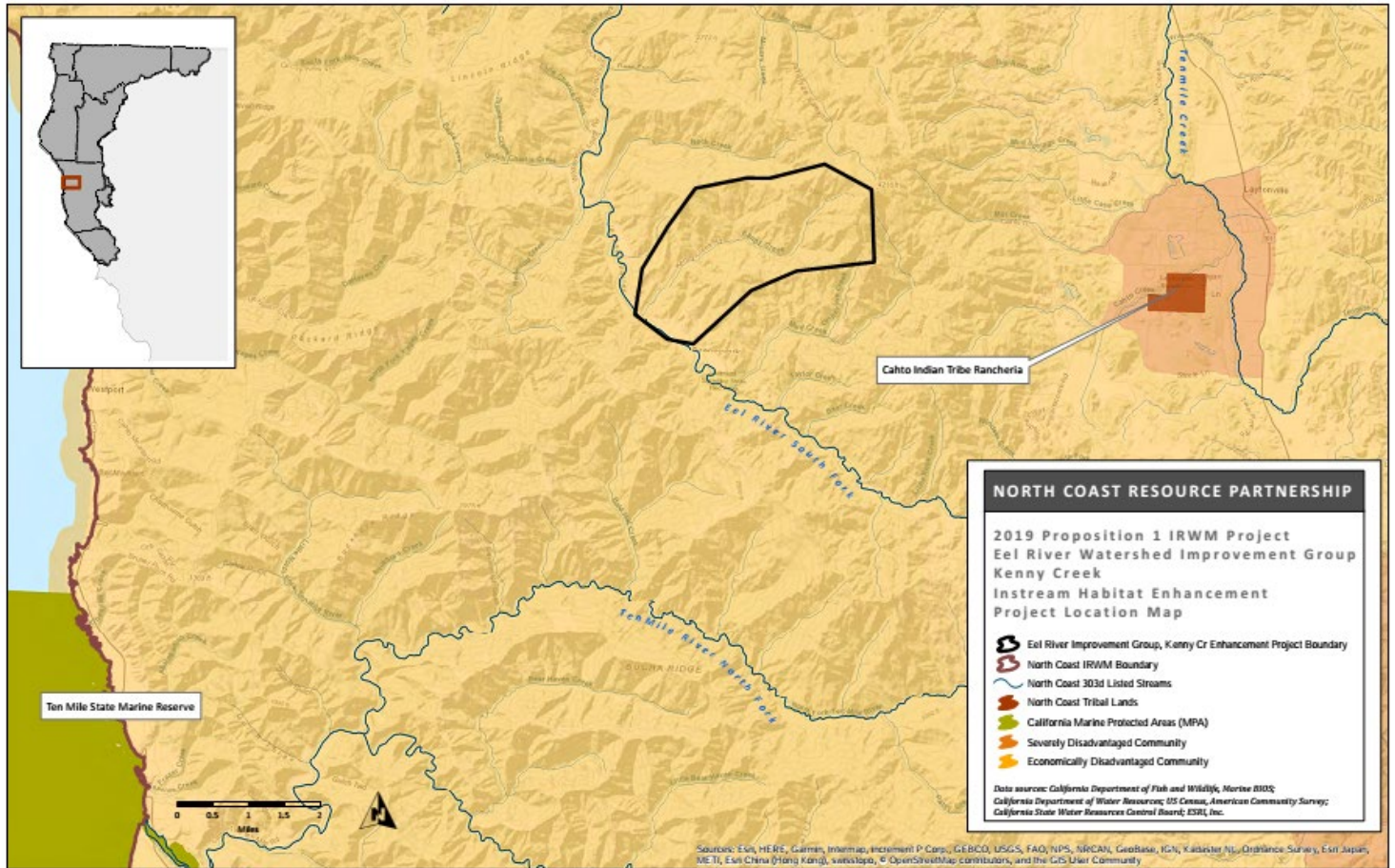
**Sponsored Project:** Project 7: Kenny Creek Instream Habitat Enhancement Project

**Sponsor Agency:** Eel River Watershed Improvement Group

**Agency Address:** 1500 Alamar Way, Fortuna, CA 95540

**Project Location:** Branscomb, California (39.66669, -123.63306)





### Local Project Sponsor Agency Designation

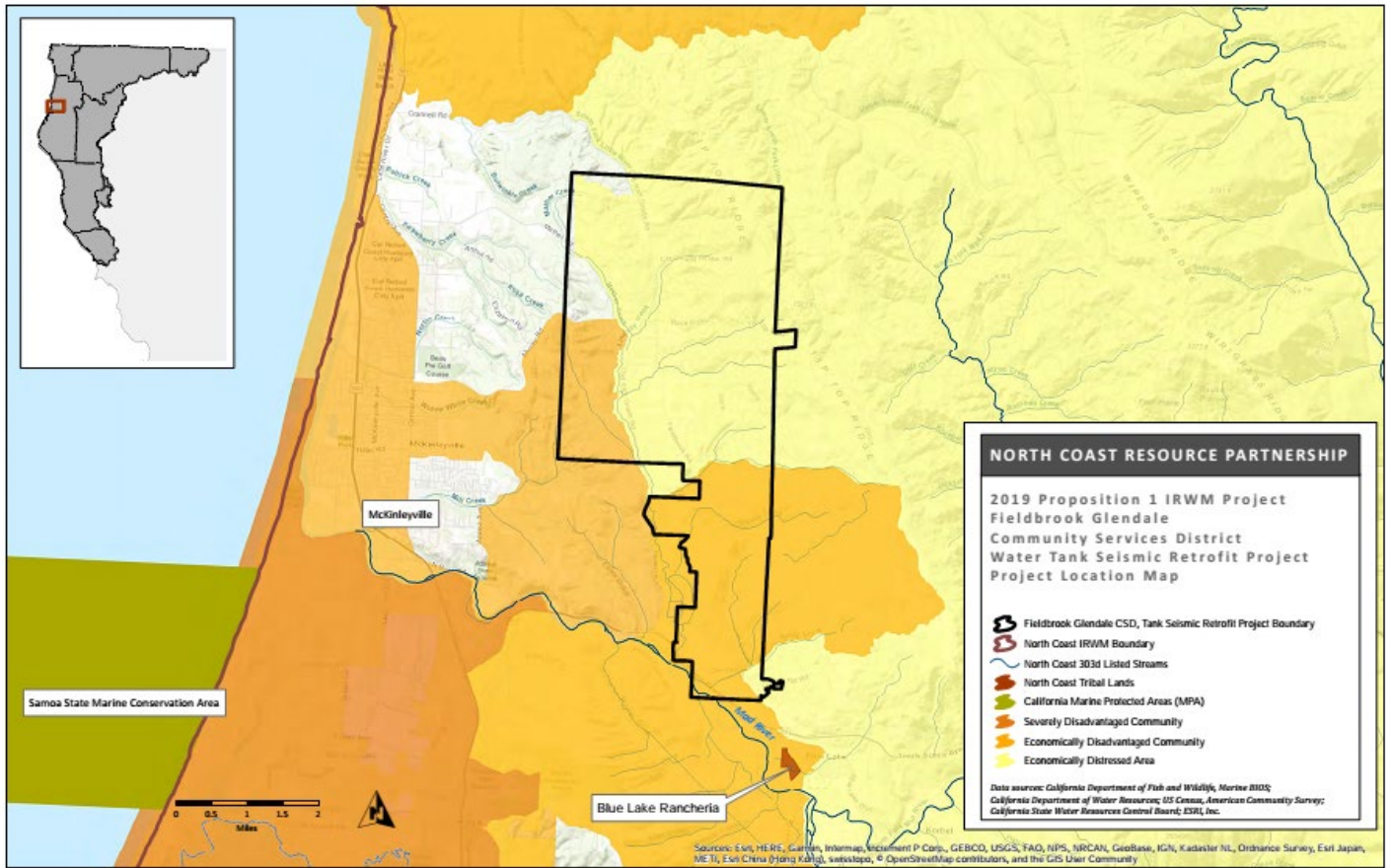
**Sponsored Project:** Project 8: Water Tank Seismic Retrofit Project

**Sponsor Agency:** Fieldbrook Glendale Community Services District

**Agency Address:** P.O. Box 95, Eureka, CA 95502

**Project Location:** Fieldbrook, California (40.962619, -124.026567)





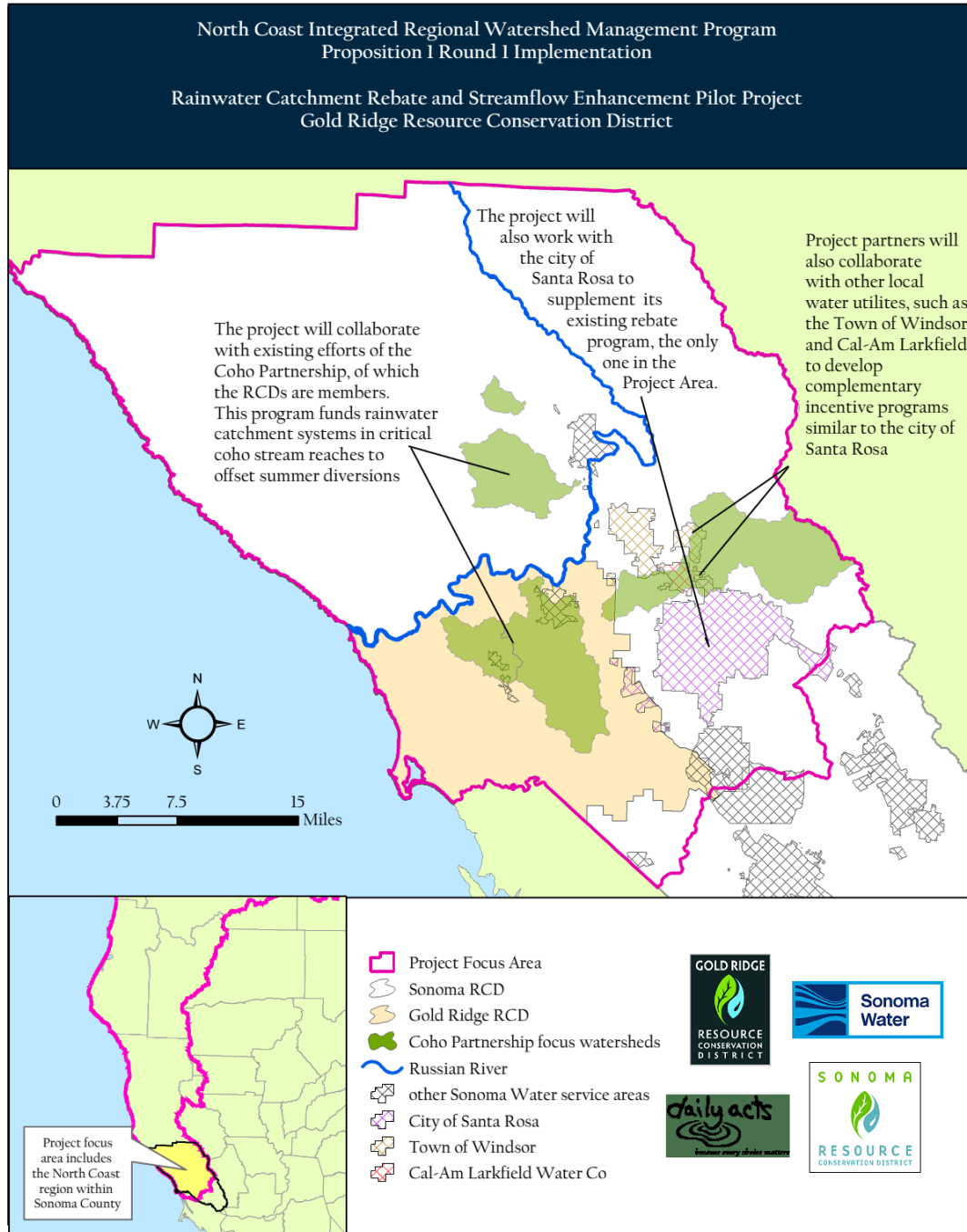
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project

**Sponsor Agency:** Gold Ridge Resource Conservation District

**Agency Address:** 2776 Sullivan Rd., Sebastapol, CA 95472

**Project Location:** Sonoma County, California (38.430706, -122.884012)



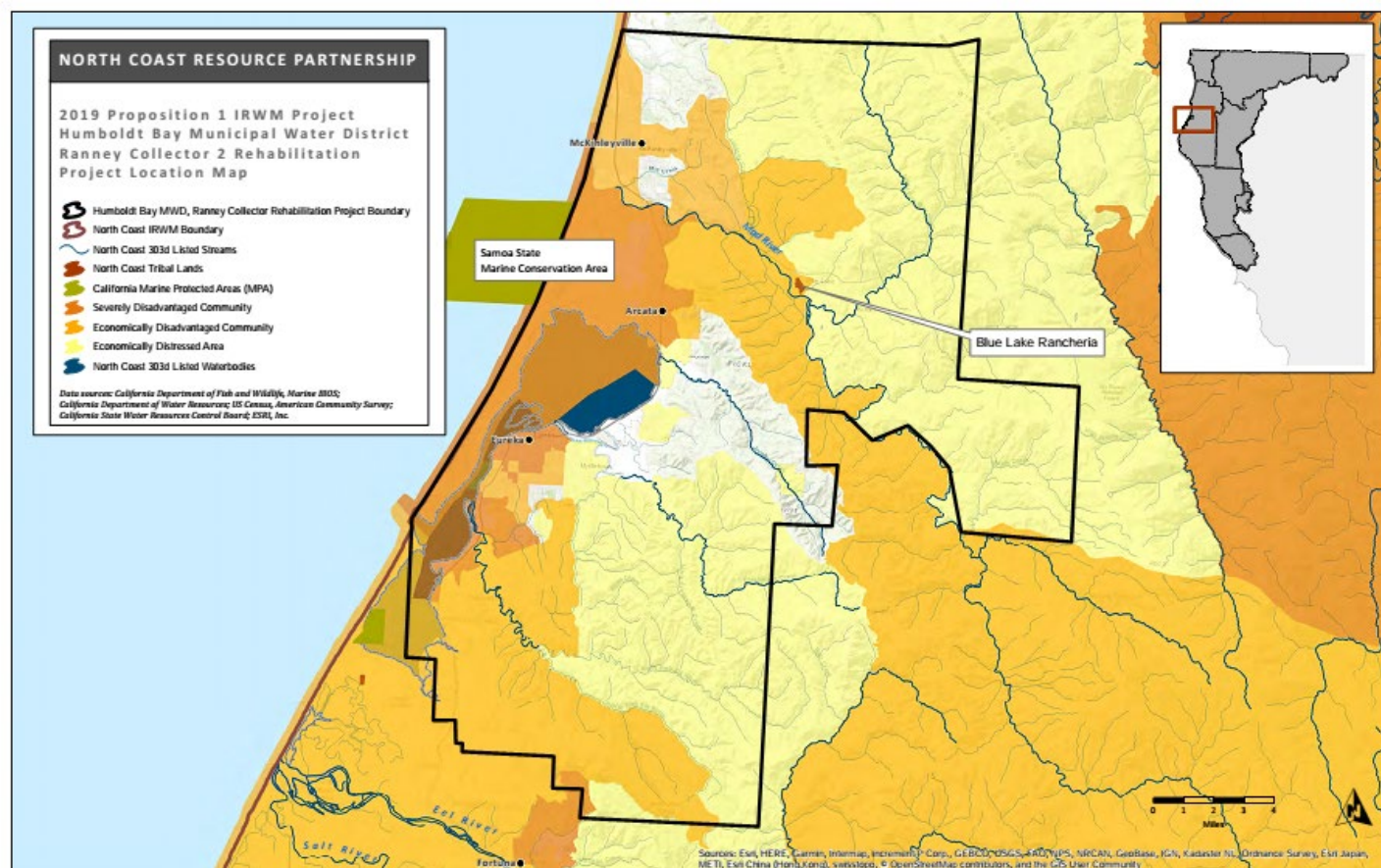
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 10: Ranney Collector 2 Rehabilitation Project

**Sponsor Agency:** Humboldt Bay Municipal Water District

**Agency Address:** P.O. Box 95, Eureka, CA 95502

**Project Location:** Arcata, California (40.800647, -124.161472)



## Local Project Sponsor Agency Designation

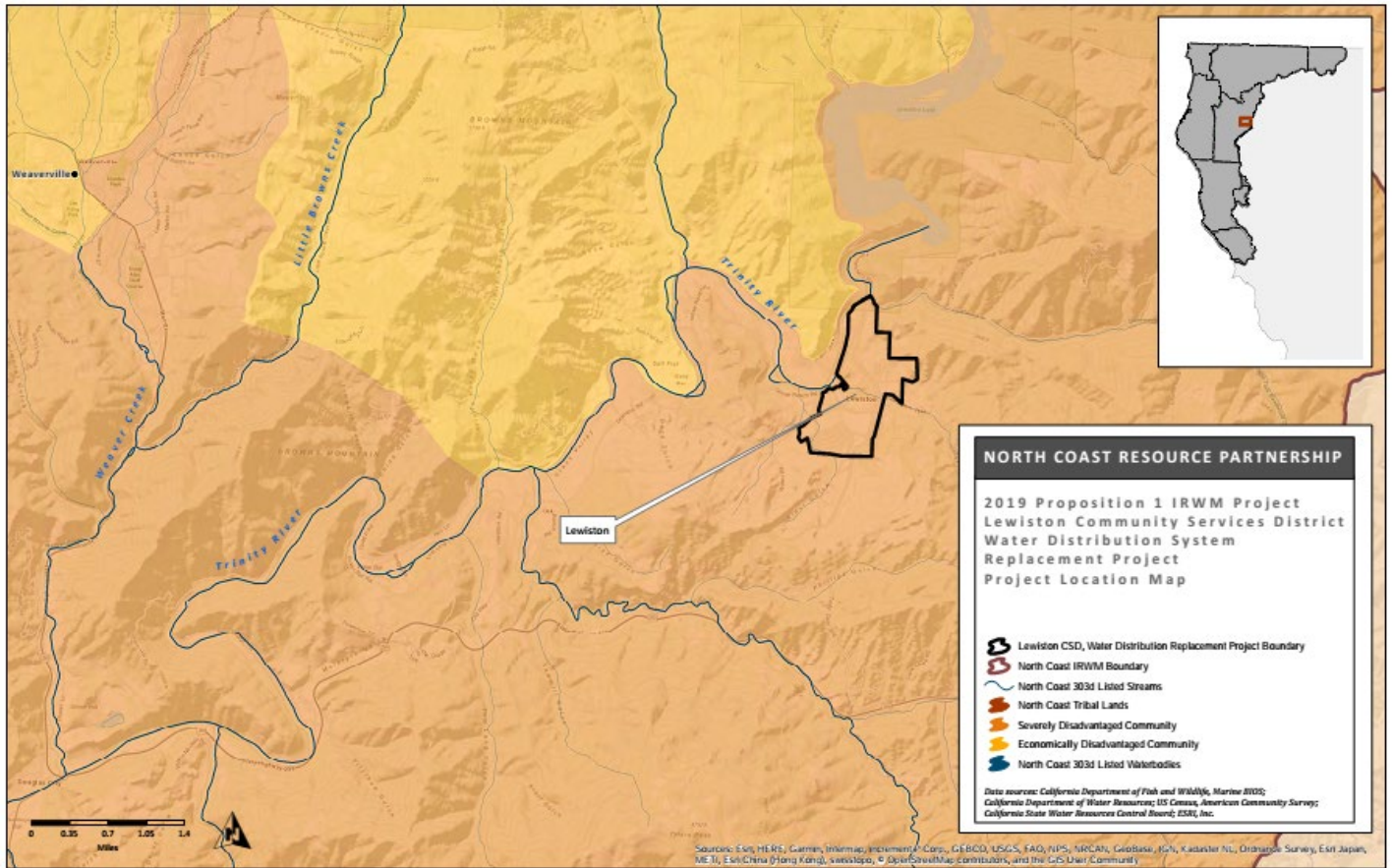
**Sponsored Project:** Project 11: Water Distribution System Replacement Project

**Sponsor Agency:** Lewiston Community Services District

**Agency Address:** P.O. Box 164, Lewiston, CA 96052

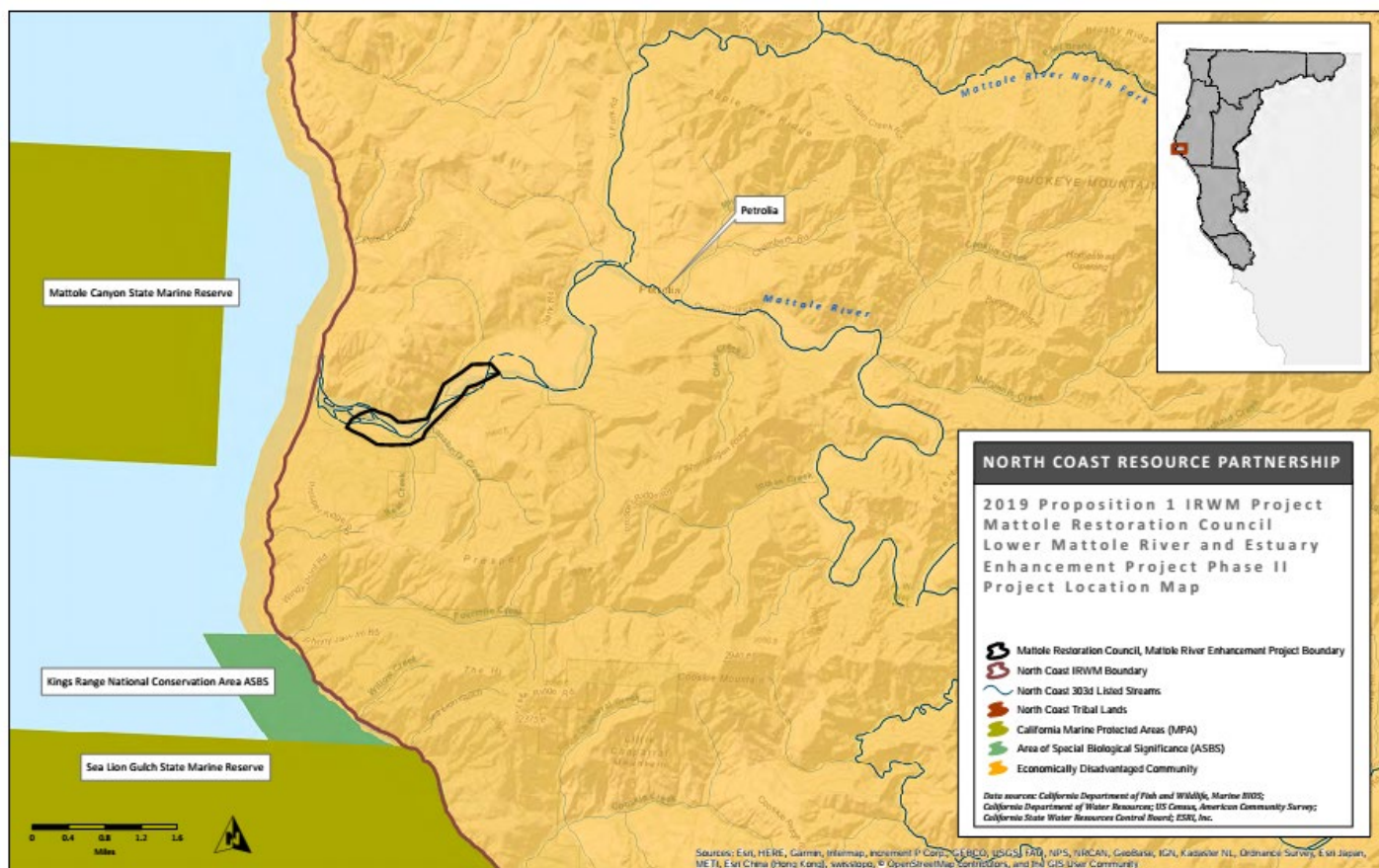
**Project Location:** Lewiston, California (40.69776, -122.807388)





### Local Project Sponsor Agency Designation

<b>Sponsored Project:</b>	Project 12: Carbon Sequest Lower Mattole River and Estuary Enhancement Project Phase II Project
<b>Sponsor Agency:</b>	Mattole Restoration Council
<b>Agency Address:</b>	P.O. Box 160, Petrolia, CA 95558
<b>Project Location:</b>	Petrolia, California (40.303784, -124.297139)



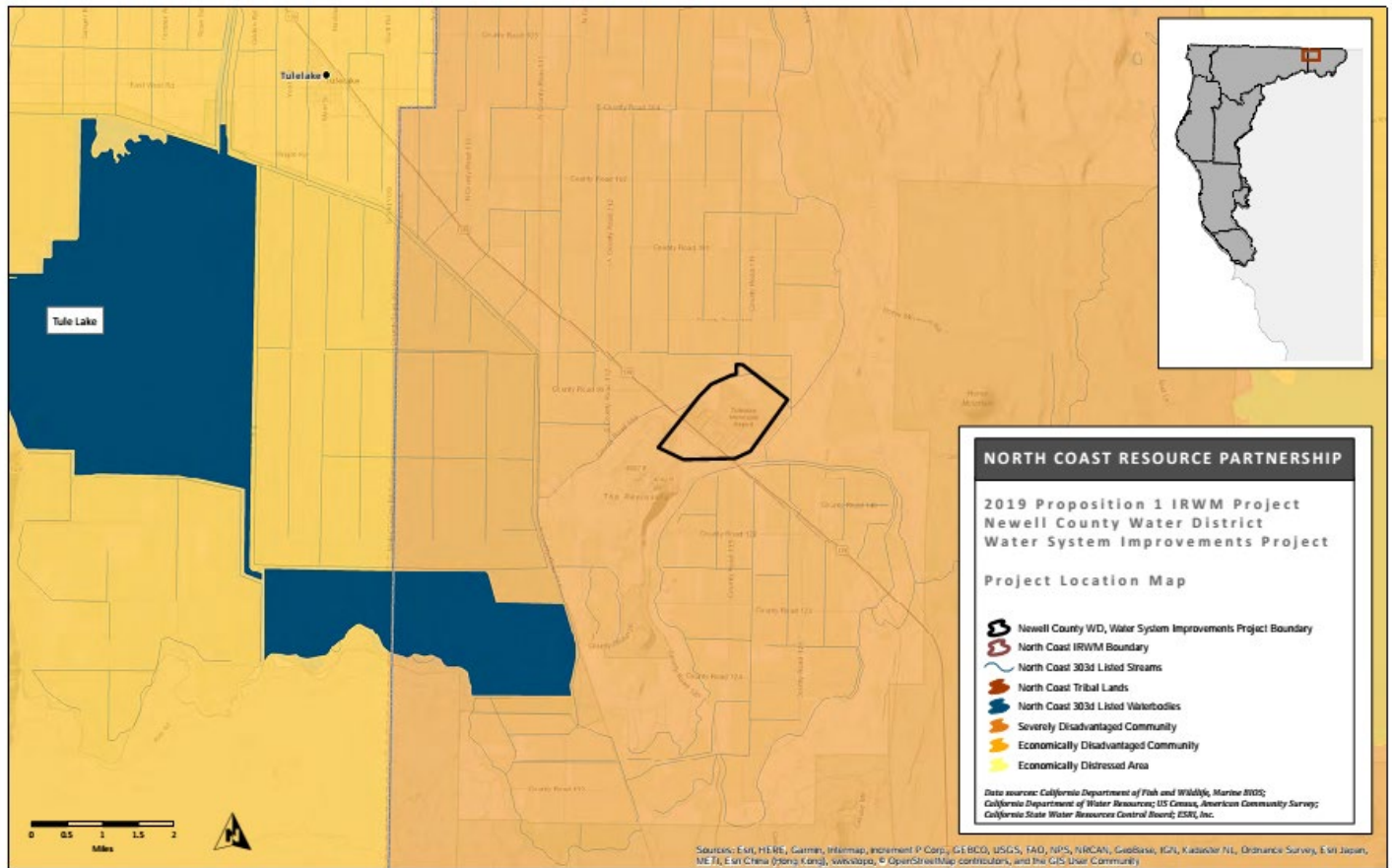
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 13: Water System Improvements Project

**Sponsor Agency:** Newell County Water District

**Agency Address:** 405 5th Avenue, Tullake, CA 96134

**Project Location:** Newell, California (41.883171, -121.365716)





**Local Project Sponsor Agency Designation**

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**Sponsored Project:** Project 14: Water Tank Replacement Project

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**Sponsor Agency:** Pacific Reefs Water District

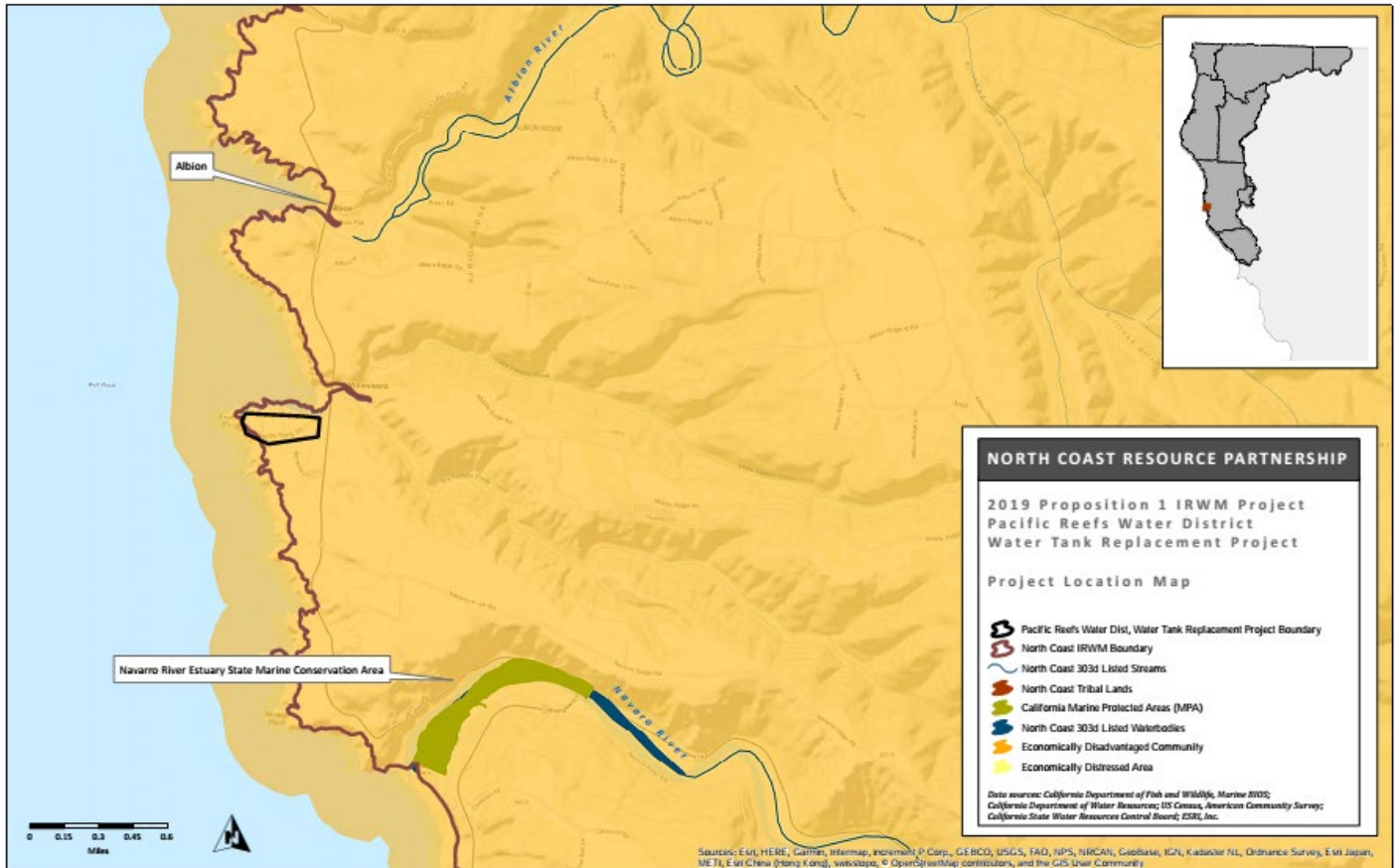
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**Agency Address:** P.O. Box 314, Albion, CA 95410

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**Project Location:** Albion, California (39.213386, -123.773176)

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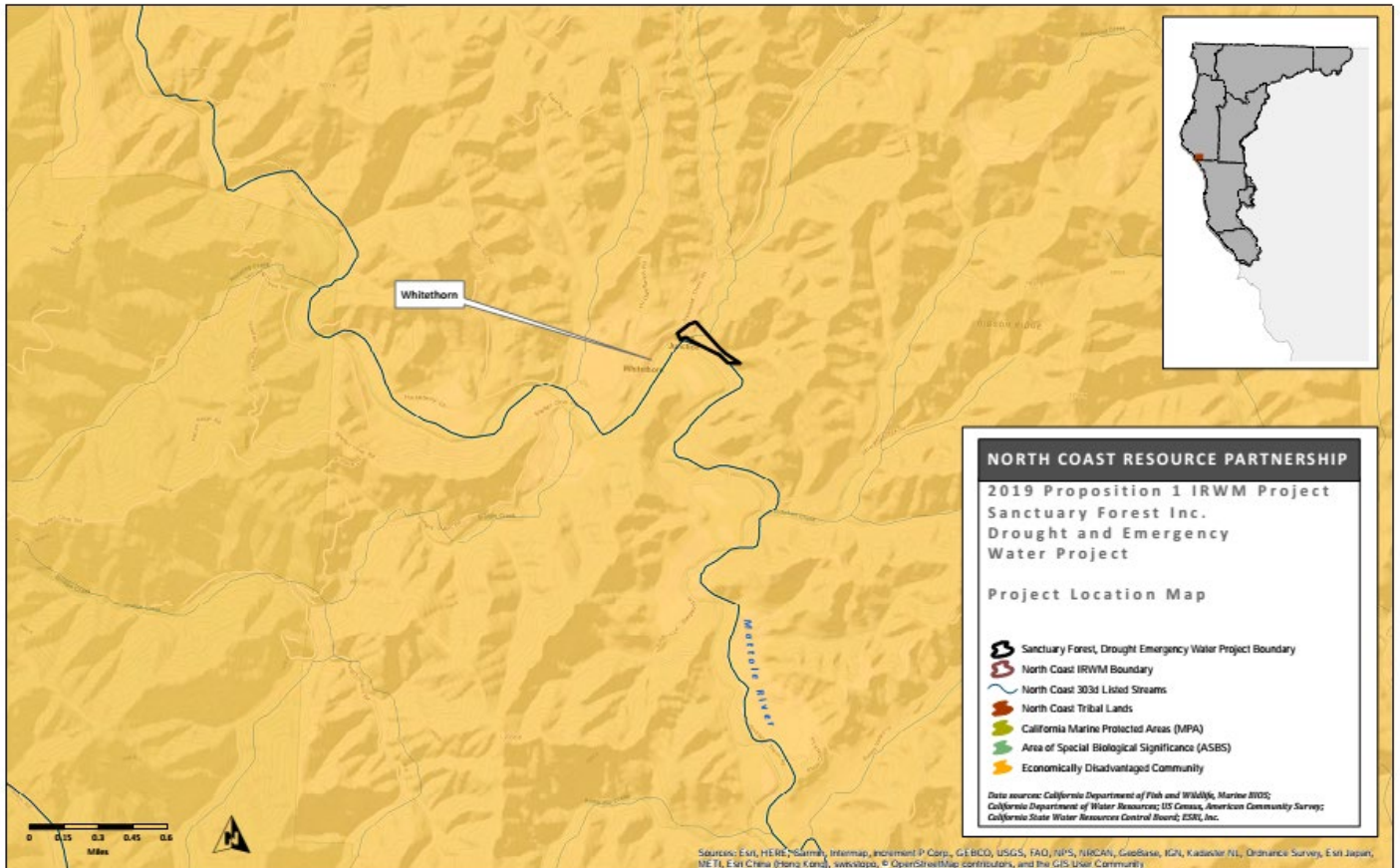


**Sponsored Project:** Project 15: Drought and Emergency Water Project

**Sponsor Agency:** Sanctuary Forest Inc.

**Agency Address:** P.O. Box 166, Whitethorn, CA 95589

**Project Location:** Whitethorn, California (40.018954, -123.936868)



### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project

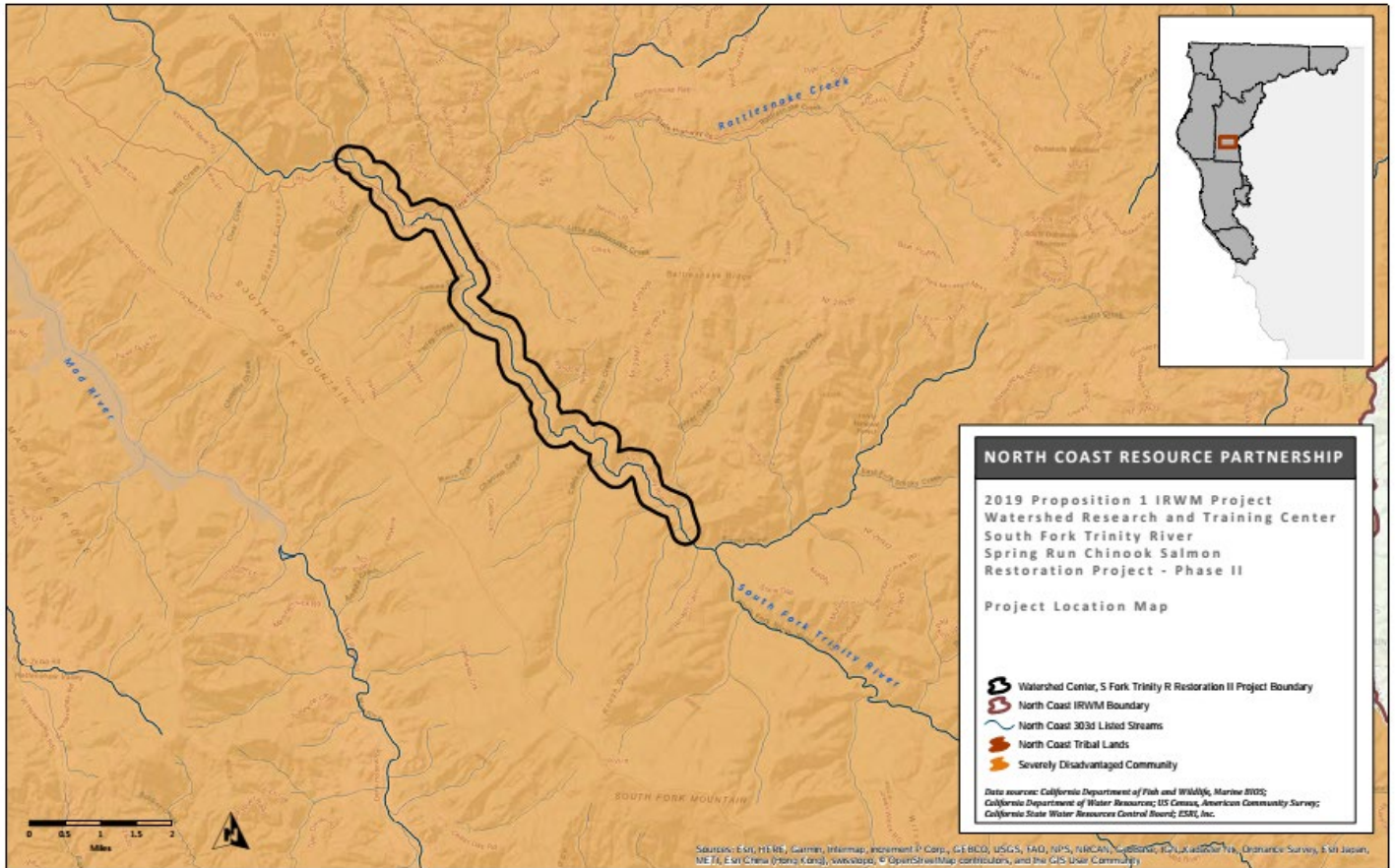






**Agency Address:** P.O. Box 356, Hayfork, CA 96041

**Project Location:** Forest Glen, California (40.379741, -123.334756)



### Local Project Sponsor Agency Designation

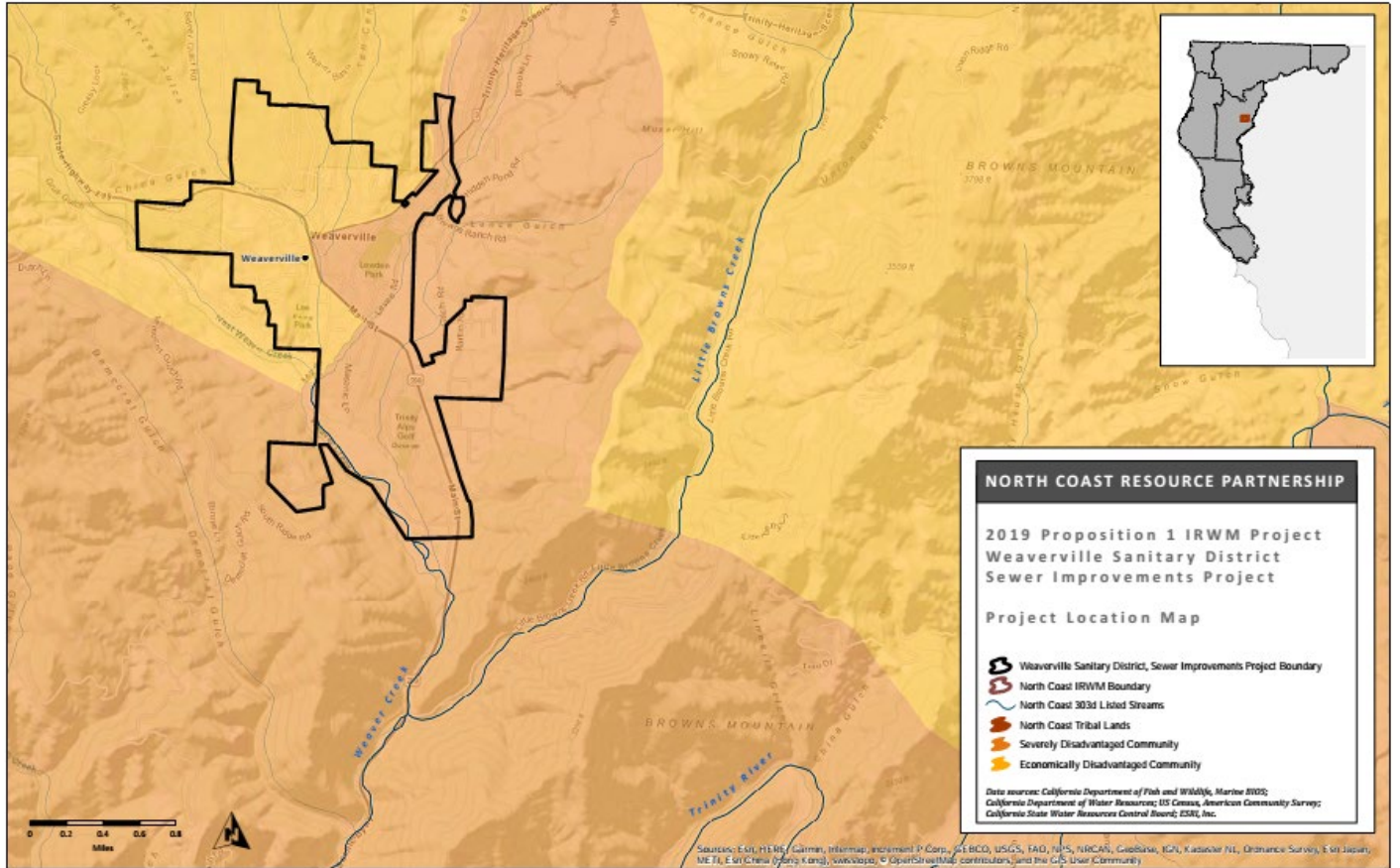
**Sponsored Project:** Project 19: Sewer Improvements Project

**Sponsor Agency:** Weaverville Sanitary District

**Agency Address:** P.O. Box 1949, Weaverville, CA 96093

**Project Location:** Weaverville, California (40.734203, -122.934272)





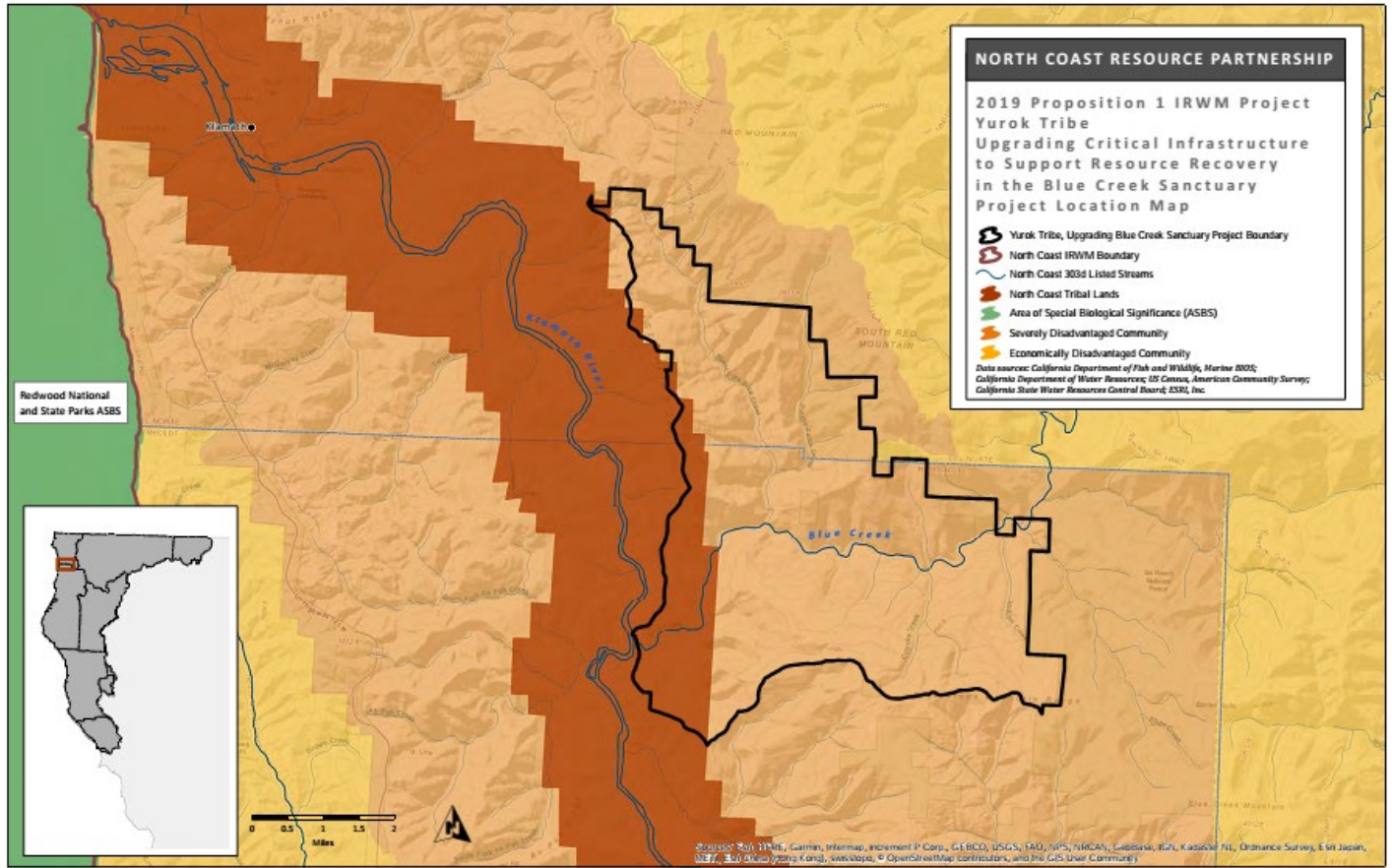
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary

**Sponsor Agency:** Yurok Tribe

**Agency Address:** P.O. Box 1027, Klamath, CA 95548

**Project Location:** Klamath, California (41.511, -123.939)



## EXHIBIT J

### APPRAISAL SPECIFICATIONS

For property acquisitions funded by this Grant Agreement, the Grantee shall submit an appraisal for review and approval by the Department of General Services or DWR's Real Estate Branch prior to reimbursement or depositing State funds into an escrow account. All appraisal reports, regardless of report format, shall include all applicable Appraisal Specifications below. Appraisals for a total compensation of \$150,000 or more shall be reported as a Self-Contained Appraisal Report. Appraisals for a total compensation of less than \$150,000 may be reported as a Summary Appraisal Report, which includes all information necessary to arrive at the appraiser's conclusion. Appraisal Specifications 14, 16, 21, 23-25, and 28 shall be a narrative analysis regardless of the reporting format.

1. Title page with sufficient identification of appraisal assignment.
2. Letter of transmittal summarizing important assumptions and conclusions, value estimate, date of value and date of report.
3. Table of contents.
4. Assumptions and Limiting Conditions, Extraordinary Assumptions, and Hypothetical Conditions as needed.
5. Description of the scope of work, including the extent of data collection and limitations, if any, in obtaining relevant data.
6. Definition of Fair Market Value, as defined by California Code of Civil Procedure, § 1263.320.
7. Photographs of subject property and comparable data, including significant physical features and the interior of structural improvements, if applicable.
8. Copies of Tax Assessor's plat map with the subject marked along with all contiguous assessor's parcels that depict the ownership.
9. A legal description of the subject property, if available.
10. For large, remote or inaccessible parcels, provide aerial photographs or topographical maps depicting the subject boundaries.
11. Three (3) year subject property history, including sales, listings, leases, options, zoning, applications for permits, or other documents or facts that might indicate or affect use or value.
12. Discussion of any current Agreement of Sale, option, or listing of subject property. This issue required increased diligence since state agencies often utilize non-profit organizations to quickly acquire sensitive habitat parcels using Option Agreements. However, due to confidentiality clauses, the terms of the Option are often not disclosed to the State. If the appraiser discovers evidence of an Option or the possible existence of an Option, and the terms cannot be disclosed due to a confidentiality clause, then the appraiser is to cease work and contact the client.
13. Regional, area, and neighborhood analyses. This information may be presented in a summary format.
14. Market conditions and trends including identification of the relevant market area, a discussion of supply and demand within the relevant market area, and a discussion of the relevant market factors impacting demand for site acquisition and leasing within the relevant market area. This information may be presented in a summary format.
15. Discussion of subject land/site characteristics (size, topography, current use, elevations, zoning and land use issues, development entitlements, General Plan designation, utilities, offsite improvements, access, land features such as levees and creeks, offsite improvements, easements and encumbrances, covenants, conditions and restrictions, flood and earthquake information, toxic hazards, water rights, mineral rights, toxic hazards, taxes and assessments, etc.).

16. Description of subject improvements including all structures, square footage, physical age, type of construction, quality of construction, condition of improvements and/or identification of any permanent plantings. Discussion of construction cost methodology, costs included and excluded, accrued depreciation from all causes, remaining economic life, items of deferred maintenance and cost to cure, and incurable items. Construction cost data shall include cost data source, date of estimate or date of publication of cost manual, section and page reference of cost manual, copies of cost estimate if provided from another source, replacement or reproduction cost method used, and supporting calculations including worksheets or spreadsheets.
17. Subject property leasing and operating cost history, including all items of income and expense.
18. Analysis and conclusion of the larger parcel for partial taking appraisals. For partial taking appraisals, Appraisal Specifications generally apply to the larger parcel rather than an ownership where the larger parcel is not the entire ownership.
19. Include a copy of a recent preliminary title report (within the past year) as an appraisal exhibit. Discuss the title exceptions and analyze the effect of title exceptions on fair market value.
20. For appraisals of partial takings or easements, a detailed description of the taking or easement area including surface features and topography, easements, encumbrances or improvements including levees within the subject partial take or easement, and whether the take area is characteristic of the larger parcel. Any characteristics of the taking area, including existing pre-project levees that render the take area different from the larger parcel shall be addressed in the valuation.
21. Opinion of highest and best use for the subject property, based on an in-depth analysis supporting the concluded use which includes the detail required by the complexity of the analysis. Such support typically requires a discussion of the four criteria of tests utilized to determine the highest and best use of a property. If alternative feasible uses exist, explain and support market, development, cash flow, and risk factors leading to an ultimate highest and best use decision.
22. All approaches to market value applicable to the property type and in the subject market. Explain and support the exclusion of any usual approaches to value.
23. Map(s) showing all comparable properties in relation to the subject property.
24. Photographs and plat maps of comparable properties.
25. In-depth discussion of comparable properties, similarities and differences compared to the subject property, adjustments to the comparable data, and discussion of the reliability and credibility of the data as it relates to the indicated subject property value. Improved comparable sales which are used to compare to vacant land subject properties shall include an allocation between land and improvements, using methodology similar to methodology used in item 16 above to estimate improvement value when possible, with an explanation of the methodology used.
26. Comparable data sheets.
  - a. For sales, include information on grantor/Grantee, sale/recordation dates, listed or asking price as of the date of sale, highest and best use, financing, conditions of sale, buyer motivation, sufficient location information (street address, post mile, and/or distance from local landmarks such as bridges, road intersections, structures, etc.), land/site characteristics, improvements, source of any allocation of sale price between land and improvements, and confirming source.
  - b. For listings, also include marketing time from list date to effective date of the appraisal, original list price, changes in list price, broker feedback, if available.
  - c. For leases, include significant information such as lessor/lessee, lease date and term, type of lease, rent and escalation, expenses, size of space leased, tenant improvement allowance, concessions, use restrictions, options, and confirming source. When comparing improved sales to a vacant land subject, the contributory value of the improvements shall be segregated from the land value.

27. For appraisals of easements, a before and after analysis of the burden of the easement on the fee, with attention to how the easement affects highest and best use in the after condition. An Easement Valuation Matrix or generalized easement valuation references may be used ONLY as a reference for a secondary basis of value.
28. For partial taking and easement appraisals, valuation of the remainder in the after condition and analysis and identification of any change in highest and best use or other characteristics in the after condition, to establish severance damages to the remainder in the after condition, and a discussion of special and general benefits, and cost to cure damages or construction contract work.
29. There are occasions where properties involve water rights, minerals, or salable timber that require separate valuations. If an appraisal assignment includes water rights, minerals, or merchantable timber that requires separate valuation, the valuation of the water rights, minerals, or merchantable timber shall be completed by a credentialed subject matter specialist.
30. For partial taking and easement appraisals, presentation of the valuation in California partial taking acquisition required format.
31. Implied dedication statement.
32. Reconciliation and final value estimate. Include analysis and comparison of the comparable sales to the subject, and explain and support conclusions reached.
33. Discussion of any departures taken in the development of the appraisal.
34. Signed Certification consistent with the language found in Uniform Standards of Professional Appraisal Practice.
35. If applicable, in addition to the above, appraisals of telecommunication sites shall also provide:
  - a. A discussion of market conditions and trends including identification of the relevant market, a discussion of supply and demand within the relevant market area and a discussion of the relevant market factors impacting demand for site acquisition and leasing within the relevant market area.
  - b. An analysis of other leases comparable to subject property. Factors to be discussed in the analysis include the latitude, longitude, type of tower, tower height, number of rack spaces, number of racks occupied, placement of racks, power source and adequacy, back-up power, vault and site improvements description and location on site, other utilities; access, and road maintenance costs.



**EXHIBIT K**

**INFORMATION NEEDED FOR ESCROW PROCESSING AND CLOSURE**

The Grantee shall provide the following documents to the State Project Representative during the escrow process. Property acquisition escrow documents shall be submitted within the term of this Grant Agreement and after a qualified appraisal has been approved.

- Name and Address of Title Company Handling the Escrow
- Escrow Number
- Name of Escrow Officer
- Escrow Officer's Phone Number
- Dollar Amount Needed to Close Escrow
- Legal Description of Property Being Acquired
- Assessor's Parcel Number(s) of Property Being Acquired
- Copy of Title Insurance Report
- Entity Taking Title as Named Insured on Title Insurance Policy
- Copy of Escrow Instructions in Draft Form Prior to Recording for Review Purposes
- Copy of Final Escrow Instructions
- Verification that all Encumbrances (i.e., Liens, Back Taxes, and Similar Obligations) have been Cleared Prior to Recording the Deed to Transfer Title
- Copy of Deed for Review Purposes Prior to Recording
- Copy of Deed as Recorded in County Recorder's Office
- Copy of Escrow Closure Notice

## **EXHIBIT L**

### **Project Monitoring Plan Guidance**

#### **Introduction**

For each project contained in Exhibit A, please include a brief description of the project (maximum ~150 words) including project location, implementation elements, need for the project (what problem will the project address) and responds to the requirements listed below.

#### **Project Monitoring Plan Requirements**

The Project Monitoring Plan shall contain responses to the following questions:

- What are the anticipated project physical benefits?
- What are the corresponding numeric targets for each project benefit?
- How will proposed numeric targets be measured?
- What are baseline conditions?
- When will the targets be met (e.g., upon project completion, five years after completion?)
- How often will monitoring be undertaken (e.g., monthly, yearly).
- Where are monitoring point locations (e.g., meter located at..., at stream mile...)? Include relevant maps.
- How will the project be maintained (e.g., irrigation, pest management, weed abatement)?
- What will be the frequency and duration of maintenance proposed activities?
- Are there any special environmental considerations (e.g., resource agency requirements, permit requirements, CEQA/NEPA mitigation measures)?
- Who is responsible for collecting the samples (i.e., who is conducting monitoring and/or maintenance)?
- How, and to whom, will monitoring results be reported (e.g., paper reports, online databases, public meetings)?
- What adaptive management strategies will be employed if problems are encountered during routine monitoring or maintenance?
- What is the anticipated life of the project?

**FIRST AMENDMENT  
PROPOSITION 1 SUB-GRANTEE AGREEMENT  
BY AND BETWEEN  
COUNTY OF HUMBOLDT  
AND  
GOLD RIDGE RESOURCE CONSERVATION DISTRICT  
FOR FISCAL YEARS 2021-2021 THROUGH 2024-2025**

This First Amendment to the Sub-grantee Agreement dated February 3, 2021 by and between the County of Humboldt, a political subdivision of the State of California, hereinafter referred to as “COUNTY,” and Gold Ridge Resource Conservation District, a special district of the State of California, hereinafter referred to as “SUB-GRANTEE,” is entered into this 14th day of September, 2021.

WHEREAS, COUNTY has agreed to receive grant funding from the California Department of Water Resources (“DWR”) pursuant to Proposition 1 Integrated Regional Water Management Implementation Grant Agreement No. 4600013820, dated December 11, 2020 (“Proposition 1 Implementation Agreement”), by and between the County and DWR.

WHEREAS, SUB-GRANTEE is one (1) of several parties intended to receive an allocation of grant funding from COUNTY pursuant to said Proposition 1 Implementation Agreement (“Grant Funds”) for the provision of services pertaining to the Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project (“Project”) as set forth in the Proposition 1 Implementation Agreement; and

WHEREAS, the parties acknowledge that COUNTY intends to merely administer the distribution of Grant Funds pursuant to the Proposition 1 Implementation Agreement and SUB-GRANTEE intends to complete all other aspects of the Project set forth in both the Proposition 1 Implementation Agreement, including all subsequent amendments by and between the COUNTY and DWR and the Sub-grantee Agreement by and between the COUNTY and SUB-GRANTEE entered into on February 3, 2021; and

WHEREAS, the parties acknowledge that COUNTY is relying on SUB-GRANTEE’s performance hereunder in order for COUNTY to comply with its obligations under the Proposition 1 Implementation Agreement; and

WHEREAS, the parties now desire to amend certain provisions of the Sub-Grantee Agreement in order to modify the scope of work and budget contained in Exhibit A Work Plan, and Exhibit B of Exhibit A – Proposition 1 Implementation Agreement (“Exhibits A & B”),

NOW THEREFORE, the parties mutually agree as follows:

1. The Sub-grantee Agreement is hereby amended to delete Exhibits A & B and replace it in its entirety with the modified version of Exhibits A & B that are attached hereto and incorporated herein by reference. The modified versions of Exhibits A & B attached hereto shall supersede any and all prior versions thereof as of the effective date of this First Amendment.
2. Except as modified herein, the Sub-grantee Agreement dated February 3, 2021 shall remain in full force and effect. In the event of a conflict between the provisions of this First Amendment and the original Professional Services Agreement the provisions of this First Amendment shall govern.

IN WITNESS WHEREOF, the parties hereto have entered into this First Amendment as of the first date written above.

**GOLD RIDGE RESOURCE CONSERVATION DISTRICT:**

By: Brittany Jensen

Date: September 9, 2021

Name: Brittany Jensen

Title: Executive Director

**COUNTY OF HUMBOLDT:**

By: Thomas K. Mattson

Date: 9/14/21

Thomas K. Mattson, Public Works Director  
(Pursuant to the Authority delegated by the  
Humboldt County Board of Supervisors on  
August 27, 2019, Item No. 19-85)

**LIST OF EXHIBITS:**

Exhibits A & B – Work Plan and Budget

## **EXHIBIT A**

### **WORK PLAN**

#### **PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT**

#### **Grant Administration**

##### **IMPLEMENTING AGENCY: Humboldt County**

**DESCRIPTION:** The Regional Water Management Group authorized Humboldt County to act as the applicant and the Grantee for the Proposition 1, Round 1 IRWM Implementation Grant. Humboldt County will administer these funds and respond to DWR's reporting and compliance requirements associated with the grant administration. This office will act in a coordination role: disseminating grant compliance information to the project managers responsible for implementing the projects contained in this agreement, obtaining and retaining evidence of compliance (e.g., CEQA/NEPA documents, reports, monitoring compliance documents, labor requirements, etc.), obtaining data for progress reports from individual project managers, assembling and submitting progress reports to the State, coordinating all invoicing and payment of invoices, and provide project status updates to North Coast Regional Partnership (NCRP) leadership at quarterly meetings, attend staff meetings, and provide project information to working groups, as necessary.

#### **Task 1 Budget Category (a): Project Administration**

##### Task 1.A: Agreement Administration

Humboldt County will respond to DWR's reporting and compliance requirements associated with the grant administration and will coordinate with the project managers responsible for implementing the projects contained in this agreement.

##### Task 1.B: Invoicing

Humboldt County will be responsible for compiling invoices for submittal to DWR. This includes collecting invoice documentation from each of the Local Project Sponsors and compiling the information into a DWR Invoice Packet.

##### **Deliverables:**

- Invoices and associated backup documentation
- Advanced Payment documentation as per Paragraph 9 (if applicable)

##### Task 1.C: Reporting

Humboldt County will be responsible for compiling progress reports for submittal to DWR. Humboldt County will coordinate with Local Project Sponsor staff to retain consultants as needed to prepare and submit progress reports and final project completion reports for each project, as well as the grant completion report.

Reports will meet generally accepted professional standards for technical reporting and the requirements terms of the agreement with DWR outlined in Exhibit F of this Agreement. For example, progress reports will explain the status of each project and will include the following information: summary of the work completed for the project during the reporting period; activities and milestones achieved; and accomplishments and any problems encountered in the performance of work. Project completion reports will include: documentation of actual work done, changes and amendments to each project, a final schedule showing actual progress versus planned progress, and copies of final documents and reports generated during the project.

##### **Deliverables:**

- Quarterly Progress Reports

- Grant Completion Report

## **PROJECT 1: Water Storage Project**

### **IMPLEMENTING AGENCY: Blue Lake Rancheria (BLR)**

**PROJECT DESCRIPTION:** Blue Lake Rancheria (BLR) will construct a concrete pad and install approximately 250,000 gallons of water storage capacity steel tank with necessary water and power connections to complete its water distribution system, partially funded through a 2017 Bureau of Reclamation (BOR) WaterSMART grant and an American Recovery and Reinvestment Act of 2009 (ARRA)-funded groundwater well. This water storage project, as a component of the larger Smart Water Grid project, will help insure an uninterrupted and affordable water supply for the BLR. The project will provide approximately 21.5-acre feet per year of storage for the BLR.

### **Task 1.1 Budget Category (a): Project Administration**

#### Task 1.1.A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 1.1.B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports. Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. Prepare Report addressing Humboldt County/DWRs comments. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 1.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 1.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 1.3.A: Feasibility Studies

Project Feasibility Studies and an engineering report will be completed as part of the project development process. Feasibility study will be limited to determination of feasibility of location for water tank in conjunction with other planned construction on BLR Tribal Lands.

#### **Deliverables:**

- Feasibility Study Report
- Engineering Report

#### Task 1.3.B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA and NEPA documents as required
- Legal Challenges Letter

**Task 1.3.C: Permitting**

No permits are anticipated.

**Task 1.3.D: Design**

Complete preliminary design including the following supporting work: geotechnical investigation, topographic survey, and basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary earthwork calculations, preliminary design details for tank foundation, preliminary design details for and 100% (Final) design, plans, and specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 1.3.E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 1.4 Budget Category (d): Construction/Implementation****Task 1.4.A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

**Task 1.4.B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Perform project monitoring according to the Project Performance Monitoring Plan to track project performance and project benefits. Project monitoring reporting will be included minimally as part of the Project Completion Report.

**Deliverables:**



- Certificate of Completion
- Record Drawings

#### Task 1.4.C: Construction

Construction activities are outlined below.

1.4.C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Site will be cleared and all needed materials will be staged as needed. Design and install a DWR Acknowledgement Sign in an appropriate location

1.4.C(ii): Construction: Construct a concrete pad. Using engineered foundation designs appropriate for selected water tank, construct concrete pad. To be completed by selected contractor after advertised to bid following BLR's procurement procedures.

1.4.C(iii): Installation: Install one 250,000 gallon bolted steel tank. To be completed by selected contractor after advertised to bid following BLR's procurement procedures.

1.4.C(iv): Installation: Water and power connections will be completed in-house by BLR's construction team.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 2: Water Supply Enhancement Project**

### **IMPLEMENTING AGENCY: BriceLand Community Services District (BCSD)**

**PROJECT DESCRIPTION:** Major components of the project include: a 25,000 gal raw water tank plumbed to supply water to both the water treatment system and storage tanks; 2,200 ft of 6-inch diameter water line connecting the fire suppression water storage tanks to the town fire hydrant network; water transmission line improvements including mechanical float, gate, pressure and air relief valves, pressure gauges, flow meters; site fencing for the slow sand filtration and water storage facilities; a low water level and high flow alarm system; a 140 square foot (approximately) structure to house the new alarm system/equipment; and a flow controlled chlorine injector.

The benefits of the project include: Reduced water shortages; increased water supply reliability, and enhanced firefighting capabilities by increased water storage volume to 43,000 gallons.

### **Task 2.1 Budget Category (a): Project Administration**

#### Task 2.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 2.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to Humboldt County for review and inclusion in a progress report to be submitted to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 2.2 Budget Category (b): Land Purchase/Easement**

#### Task 2.2A: Land Purchase

The new raw water storage tank included as part of this proposed project will be sited on a nearby property (requiring the purchase of approximately 0.5 – 1 acres of land).

#### **Deliverables:**

- Documentation supporting property value (if purchased)
- All relevant documentation regarding property ownership transfer or acquisition of easement including final recorded deed, title report, etc.

### **Task 2.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 2.3A: Feasibility Studies – Not applicable

**Task 2.3B: CEQA Documentation**

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

**Task 2.3C: Permitting**

All appropriate permits shall be secured for the project from the local and regional agencies having jurisdiction over the project, which may include: Humboldt County building and grading permits, and CDFW 1602 permit.

**Deliverables:**

- Permits as required

**Task 2.3D: Design**

Develop a set of final design plans and specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 2.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 2.4 Budget Category (d): Construction/Implementation****Task 2.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 2.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Throughout the duration of the project, BCSD will perform project monitoring according to the

Project Performance Monitoring Plan to track project performance and project benefits, which will be included as part of the Project Completion Report.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 2.4C: Construction**

Construction activities are outlined below.

2.4C(i): Mobilization and Site preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

2.4C(ii): Install, construct, excavate: The selected contractor will complete the following activities: site exclusion fencing; temporary signage; erosion control; clearing and grubbing; site grading; installation of approximately 2,200 site piping; tank foundation construction; 25,000 gallon tank erection; tank disinfection and installation of cathodic protection; new system controls and valving; water transmission line upgrades; construction of control and operations building; fence the water treatment site; design and install a DWR Acknowledgement Sign in an appropriate location.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

### **PROJECT 3: California Street Sewer Replacement**

#### **IMPLEMENTING AGENCY: City of Ferndale**

**PROJECT DESCRIPTION:** The City replaced a small portion of the sewer section on California Street in 2017, this project will replace approximately 1,600 feet of the remaining sewer mains and laterals to the property line of the residences. Add two manholes and bollards to protect manholes on California Street. The project will reduce the inflow and infiltration entering the system by approximately 80,000 to 100,000 gallons per day (GPD).

#### **Task 3.1 Budget Category (a): Project Administration**

##### Task 3.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

##### **Deliverables:**

- Invoices and associated backup documentation

##### Task 3.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

##### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

#### **Task 3. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

#### **Task 3.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

##### Task 3.3A: Feasibility Studies – Not applicable

##### Task 3.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

##### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

##### Task 3.3C: Permitting

Obtain County Encroachment Permit.

##### **Deliverables:**

- Permits as required

#### Task 3.3D: Design

Complete site survey and preliminary design including the basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary design details for and 100% (Final) design, plans, and specifications.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 3.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 3.4 Budget Category (d): Construction/Implementation**

#### Task 3.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 3.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

#### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 3.4C: Construction

Construction activities are outlined below.

3.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Inspect project components and establish that work is complete. Verify that all project

components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

3.4C(ii): Site preparation will include: Design and install DWR acknowledgement project sign at an appropriate location.

3.4C(iii): Install, construct, excavate: Install approximately 1,600-feet of 12-inch sewer, two manholes, and bollards to protect manholes.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

### **IMPLEMENTING AGENCY: City of Willits**

**PROJECT DESCRIPTION:** The project will replace a 30 horsepower (hp) pump in the primary “Elias Replacement” Well with a 70 hp pump to increase water capacity to approximately 1.9 million gallons per day (MGD). The 30 hp pump and controls will be re-installed in the secondary “Long 20” Well. Both pumps will include installation of upgraded power supplies. Approximately 3,650-feet of pipe connecting the wells to the treatment plant will be upgraded. With both wells running through the water treatment plant there will be approximately 192,000 gallon per day increase in water capacity to the distribution system.

### **Task 4.1 Budget Category (a): Project Administration**

#### Task 4.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 4.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager’s comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 4.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 4.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 4.3A: Feasibility Studies – Not applicable

#### Task 4.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 4.3C: Permitting



Obtain necessary permits which may include: Regional Water Board 401 Certification and US Army Corps of Engineers 404 Certification.

**Deliverables:**

- Permits as required

**Task 4.3D: Design**

Develop final plans for pipeline replacement and connection to Long 20 Well.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 4.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 4.4 Budget Category (d): Construction/Implementation**

**Task 4.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 4.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 4.4C: Construction**

Construction activities are outlined below.

4.4C(i): Mobilization, Site preparation, and Demobilization: Initiate project site preparation and mobilize project: perform preparatory work and operations including that necessary for the movement of personnel,

equipment, supplies, and videotaping, specific shop drawing submittals, and incidentals to the project site. Establish any temporary facilities and the submission of the final construction schedule. Order project equipment and supplies assure project permits are in place and conduct pre-project site photo-monitoring. Design and install DWR acknowledgement sign at an appropriate location.

4.4C(ii): Pilot Testing: Conduct pilot tests to determine the current groundwater treatment plant's capacity to remove arsenic from the Long 20 well.

4.4C(iii): Install, construct, excavate: The 30-hp pump and controls from the Elias Replacement Well will be moved to the Long 20 Well. A 70-hp pump would then be installed at the Elias Replacement Well. Both pumps will include upgraded power supplies. The pipeline replacement consists of excavation of an estimated 3,650-foot trench for the new pipeline, installation of an estimated 8-inch C900 PVC pipe from the junction with the existing 8-inch pipeline at the North End of the pond to the Elias Replacement well, with inclusion of a "T" junction for a pipeline to Long 20 Well, and construction of valve stations at the each end and the "T" junction, followed by backfill and compaction of the populated trench.

**Deliverables:**

- Pilot Testing Technical Memorandum
- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 5: Covelo Community Services District, Collection System and Wastewater Treatment Plant Improvements**

### **IMPLEMENTING AGENCY: Covelo Community Services District (CCSD)**

**PROJECT DESCRIPTION:** The Covelo CSD Collection System and Wastewater Treatment Plant (WWTP) Improvements project aims to reduce approximately 0.144 million gallons per day (MGD) of wet weather Inflow & Infiltration by upgrading the existing wastewater collection system. The project includes replacement of approximately 727 Linear Feet of sewer mains, approximately 16 laterals and 2 manholes. The project also includes a new enclosure for ozone equipment. On top of the new enclosure the project will include solar panels that will be designed to provide all the power the WWTP requires on an average day.

### **Task 5.1 Budget Category (a): Project Administration**

#### Task 5.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 5.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 5.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 5.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 5.3A: Feasibility Studies – Not applicable

#### Task 5.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 5.3C: Permitting

Tasks may include: Preparation of Building and Electrical Permits, which will need to be acquired from Mendocino County for the ozone canopy and addition of solar. Prepare Caltrans Encroachment Permit.

**Deliverables:**

- Permits as required

**Task 5.3D: Design**

Engineer to prepare 100% bid ready Plans and Specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 5.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 5.4 Budget Category (d): Construction/Implementation**

**Task 5.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 5.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 5.4C: Construction**

Construction activities are outlined below.

5.4C(i): Equipment mobilization; site preparation, including: clearing, grubbing, minor site grading, and erosion control. Temporary signage

5.4C(ii): Install, construct, excavate: Replacement of collection system sections and components in various priority areas; new canopy and solar over existing ozone equipment. Replace approximately 727 Linear Feet sewer main lines, approximately 16 laterals, replace 2 manholes and seal around the pipe penetrations on approximately 2 other existing manholes.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

### **IMPLEMENTING AGENCY: Del Norte County Service Area (CSA) No. 1**

**PROJECT DESCRIPTION:** Install onsite emergency power (generator) on approximately eleven lift stations; each generator will be structurally reinforced, protected to withstand weather, vandalism, and supplied with a fuel tank and an automated switch to respond to power failures. Each of the generators will be connected to the new SCADA (remote monitoring) system, reducing the potential for sanitary sewer overflows during power outages and providing water service without disruption for approximately 3,500 single-family connections.

### **Task 6.1 Budget Category (a): Project Administration**

#### Task 6.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 6.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 6.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 6.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 6.3A: Feasibility Studies – Not applicable

#### Task 6.3B: CEQA Documentation

A Notice of Exemption was filed on February 19, 2019. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 6.3C: Permitting

A Building Permit is required from the Building Inspection Division of the County of Del Norte. The Building Permit will include the generator building, electrical connections and transfer switch, propane tank and connections, and mounting each generator at each station.

**Deliverables:**

- Permits as required

**Task 6.3D: Design**

Develop plans and specifications for the structures to protect generators, generators, and fuel sources at each lift station and/or portable generator storage building.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 6.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 6.4 Budget Category (d): Construction/Implementation**

**Task 6.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. Bid project to obtain construction contractor(s). CSA may desire to split the project into three construction contracts: (1) generator structures, (2) fuel source, (3) generators and transfer switches.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 6.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 6.4C: Construction**

Construction activities are outlined below.

6.4C(i): Mobilization, Site preparation and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Project will be at approximately 11 lift station locations; the same DWR acknowledgement sign may be moved amongst all locations.

6.4C(ii): Install, construct: Construct up to 11 generator structures (one at each lift station) and rehabilitate portable generator storage building on APN 120-280-011, as funding allows. Install up to 11 generators and 11 transfer switches (one at each lift station) and/or purchase portable generators, as funding allows.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

### **IMPLEMENTING AGENCY: Eel River Watershed Improvement Group (ERWIG)**

**PROJECT DESCRIPTION:** This project will increase salmonid habitat in Kenny Creek through the instream placement of approximately 28 Large Woody Debris (LWD) structures along an approximately 1.1 miles long stream reach. The project will be accomplished by purchasing logs and uprooting trees with rootwads from areas in which the stream canopy will not be affected. Logs and logs with rootwads will be placed by an excavator. After log placement, the California Conservation Corps (CCC) will anchor the logs to live trees and to each other. Upon construction completion, all exposed soil will be mulched and 400 conifer seedlings will be planted. All work will be supervised by the ERWIG project manager. This project will result in a dramatic increase in suitable habitat for salmonids. Habitat improvements include velocity refugia, increased shelter, deeper pools, and increased spawning habitat. This project will also result in a long-term increase in carbon sequestration with the planting of 400 conifers. This project's primary benefit is approximately 3.28 acres of habitat restoration.

### **Task 7.1 Budget Category (a): Project Administration**

#### Task 7.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 7.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 7.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 7.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 7.3A: Feasibility Studies – Not applicable

#### Task 7.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required

- Legal Challenges Letter

#### Task 7.3C: Permitting

Submit an LSAA application to CDFW, pay required fee. Work with the Regional Water Quality Control Board and Army Corp of Engineers to obtain 401 certification and 404 permits.

#### **Deliverables:**

- Permits as required

#### Task 7.3D: Design

Create final design plans based on existing conditions in year of construction.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 7.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 7.4 Budget Category (d): Construction/Implementation**

#### Task 7.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents as required

#### Task 7.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

#### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 7.4C: Construction

Construction activities are outlined below.

7.4C(i): Prepare Site and Mobilize Project: Initiate project site preparation; assure project permits are in place; remove fish from excavator crossing; conduct pre-project site photo-monitoring. Design, purchase and install DWR acknowledgement sign at project site.

7.4C(ii): Tool & Material Purchasing: Purchase materials for project, including, but not limited to: anchoring tools, anchoring hardware, logs and field supplies. Landowner will donate approximately 70 logs to the project. ERWIG will donate rebar, nuts and plates.

7.4C(iii): Install, construct, excavate: Site construction of 28 LWD structures will begin with wood placement by excavator. When appropriate, a tree faller will selectively cut down trees from the riparian area to fall into the creek. Move LWD into position using a grip hoist come along. Use one-inch threaded rebar to anchor logs to mature riparian trees, and each other. Conduct photo monitoring of construction.

7.4C(iv): Improve: Purchase and plant 400 conifers; mulch exposed soil.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

**PROJECT 8: Fieldbrook Glendale Community Services District Water Tank Seismic Retrofit Project****IMPLEMENTING AGENCY: Fieldbrook Glendale Community Services District (FGCSD)**

**PROJECT DESCRIPTION:** The Project will replace an existing redwood tank with a new 400,000 gallon bolted steel water tank. The new tank would be constructed to modern seismic standards, including ASCE 7 code for a critical facility. This Project will eliminate the risk of the tank and foundation failing and the associated damage and loss of water, wastewater, and fire service. The project will provide 400,000 gallons of increased water supply reliability.

**Task 8.1 Budget Category (a): Project Administration**Task 8.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

**Deliverables:**

- Invoices and associated backup documentation

Task 8.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

**Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

**Task 8. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

**Task 8.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**Task 8.3A: Feasibility Studies – Not applicableTask 8.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 8.3C: Permitting

The only permit anticipated for this project is a grading permit. Under this task, the District will develop the application package and submit to the County.

**Deliverables:**

- Permit(s) as required

**Task 8.3D: Design**

Complete geotechnical investigations, and surveying. Complete final engineering design.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 8.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 8.4 Budget Category (d): Construction/Implementation****Task 8.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 8.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 8.4C: Construction**

Construction activities are outlined below.

8.4C(i): Mobilization and Demobilization: Equipment mobilization, clearing, grubbing, minor site grading, erosion control. Install temporary signage and develop and enforce a traffic control plan.

8.4C(ii): Install, construct: Installation of site piping, tank foundation construction, 400,000 gallon tank erection, tank disinfection and installation of cathodic protection and telemetry. Water tank shop drawing approval, manufacture, and delivery.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

### **IMPLEMENTING AGENCY: Gold Ridge Resource Conservation District (GRRCD)**

**PROJECT DESCRIPTION:** Through a partnership this project will develop and implement a pilot rebate and training program to promote household-level water storage through rainwater catchment. Partners will assist rebate applicants with onsite project scoping, system design, implementation oversight, and system verification and monitoring, with barrel rebates provided on a tiered, per-gallon basis designed to incentivize both large and small systems, anticipated to facilitate construction of approximately 30-60 small (<2,500-gallon) and 10-20 large (>2,500 gallon) systems during this pilot phase. Additional construction of rainwater catchment systems will be completed through cost share sources. Actual breakdown of rebates between small and large systems will depend on program participation. The partners will also create and promote a training module through the Qualified Water-Efficient Landscapers (QWEL) program, in both English and Spanish, anticipated to conduct trainings to certify approximately 30 licensed landscapers in rainwater catchment permitting, design, and installation. A second workshop series will target approximately 40 participants, providing instruction and technical assistance to assist residents and/or small businesses to install smaller barrel systems on their own. This project will increase water supply reliability by approximately 100,000 gallons per year and increase instream flow for environmental purposes.

### **Task 9.1 Budget Category (a): Project Administration**

#### Task 9.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 9.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 9. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 9.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 9.3A: Project Outreach

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.

#### Task 9.3B: QWEL Rainwater Training Module Development

Develop and produce a bi-lingual training module to certify licensed landscapers through the Qualified Water Efficient Landscaping Program on the design and installation of rainwater catchment systems.

**Deliverables:**

- Copy of module

**Task 9.3C: CEQA Documentation**

Submitted a Notice of Exemption to the State Clearinghouse and County of Sonoma Clerk on July 30, 2020. Submitted a letter stating no legal challenges (or addressing legal challenges) on September 9, 2020.

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

**Task 9.3D: Permitting**

- No permits required.

**Task 9.3E: Design**

Provide technical assistance and develop designs for at least 10-20 large-scale (>2,500 gallon) rainwater catchment systems for residences, schools, and small businesses, while providing technical assistance for at least 30-60 small-scale (<2,500 gallon) systems landowners can implement themselves.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 9.3F: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 9.4 Budget Category (d): Construction/Implementation**

**Task 9.4A: Construction Administration**

Access for project implementation will be granted by rebate program applicants, who will sign an agreement specifying terms of participation. This task includes answering requests for information, documenting of pre-construction conditions, and notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- System Plans (Typical)

**Task 9.4B: Construction/Implementation**

Construction/Implementation activities are outlined below.

9.4B(i): Rainwater Catchment System Construction Assistance: Provide technical assistance, construction oversight, post-construction verification, and rebates for approximately 10-20 large-scale (>2,500 gallon) rainwater catchment systems for residences, schools, and small businesses, while and approximately 30-



60 small-scale (<2,500 gallon) systems landowners can implement themselves. Construction of rainwater catchment tanks will be implemented through cost share sources.

9.4B(ii): QWEL Rainwater Training Workshops: Conduct workshop(s) for approximately 30 licensed landscapers to receive QWEL certification in rainwater catchment design and construction

9.4B(iii): Small-Scale Residential Rainwater Systems Workshops: Conduct workshop(s) for approximately 40 people providing instruction on the design and installation of small-scale (<2,500-gallon) systems that landowners can install themselves.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2
- Summaries and map of systems constructed
- Workshop attendance sheets and materials

## **PROJECT 10: Ranney Collector 2 Rehabilitation Project**

### **IMPLEMENTING AGENCY: Humboldt Bay Municipal Water District (HBMWD)**

**PROJECT DESCRIPTION:** HBMWD is working on a phased rehabilitation of 4 Ranney Collectors installed along the banks of the Mad River and replacement of all the laterals in all of the collector wells. HBMWD has successfully completed rehabilitation on Collectors 1 and 3. This project includes the rehabilitation of Collector 2. Three or four new stainless-steel laterals will be projected from the existing caisson. Cores will be cut through the sides of the existing caisson so the new laterals can be projected out horizontally into the surrounding aquifer. The project benefits include: increased water supply reliability for 36,000 households; 10% increased groundwater recharge; fish habitat improvement with lower water temperatures along 75 miles of the Mad River; avoided water quality treatment costs (\$5 million); carbon emissions reductions of 37.4 tons/year.

### **Task 10.1 Budget Category (a): Project Administration**

#### Task 10.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 10.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 10.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 10.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 10.3A: Feasibility Studies

Project Feasibility Studies were completed as part of the project development process. Includes modeling, lateral location recommendations and development water disposal plan.

#### **Deliverables:**

- Feasibility Study Report

#### Task 10.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

**Task 10.3C: Permitting**

Obtain Streambed alteration agreement or consultation with CDFW regarding applicability. Obtain a Low Threat Discharge Permit or NPDES Permit from Regional Board or consultation regarding applicability.

**Deliverables:**

- Permits as required

**Task 10.3D: Design**

Install geophones or review previous investigations to map bedrock locations & assess subsurface geology. Complete preliminary design including the following supporting work: geotechnical investigation, topographic survey, and basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary earthwork calculations, preliminary design details for tank foundation, preliminary design details for and 100% (Final) design, plans, and specifications. 100% plans and specifications will be supplied to all interested parties for review and comment.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 10.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 10.4 Budget Category (d): Construction/Implementation**

**Task 10.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 10.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing

change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 10.4C: Construction**

Construction activities are outlined below.

10.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Assess flow in existing laterals and total flow drawdown to establish baseline. Design and install DWR acknowledgement sign in visible location.

10.4C(ii): Site preparation will include: Dewatering and control of water.

10.4C(iii): Install, construct, excavate: Purchase and Install (8) Valves on Existing Laterals. Furnish, Install, and Develop 12" Diameter Type 304 Stainless Steel Laterals. Furnish and Install up to 4 12" diameter steel gate valves on new laterals.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

**PROJECT 11: Lewiston Community Services District Water Distribution System Replacement Project****IMPLEMENTING AGENCY: Lewiston Community Services District (LCSD)**

**PROJECT DESCRIPTION:** This project will replace its distribution system within the Lewiston Park Subdivision. The project includes installation of approximately 12,450 feet of water main and appurtenances, replacement of approximately 105 service connections, reconnection of approximately 9 fire hydrants, and installation of approximately three new fire hydrants. The project also includes relocation of approximately 17 service connections and completing Well 8 by installing a well building, connecting the well to the distribution system, and installing power and electrical controls at the well location with another funding source.

Upon completion of the Project, LCSD will have increased the reliability of their water supply and distribution system by reducing the approximately 16,000 gallons per day of unaccounted for water loss. The secondary benefits include increase instream flow of approximately 5.84 million gallons per year. Furthermore, a completely sealed distribution system will allow for increased pressure and flows enhancing firefighting capabilities, as well as protecting the health and safety of the public.

**Task 11.1 Budget Category (a): Project Administration**Task 11.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

**Deliverables:**

- Invoices and associated backup documentation

Task 11.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

**Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

**Task 11.2 Budget Category (b): Land Purchase/Easement**

Not applicable.

**Task 11.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**Task 11.3A: Feasibility Studies – Not applicableTask 11.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 11.3C: Permitting

Tasks may include: A standard encroachment permit for improvements within a street right-of-way shall be secured to accommodate all construction activities for the project. Contractor to complete a Storm Water Pollution Prevention Plan to submit to North Coast Regional Water Quality Control Board.

#### **Deliverables:**

- Permits as required

#### Task 11.3D: Design

Develop a set of final design plans and specifications ready to put out to bid. The plans and specifications will conform to all necessary requirements stipulated by the District and regulatory agencies to ensure a high-quality product.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 11.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 11.4 Budget Category (d): Construction/Implementation**

#### Task 11.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 11.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Observe project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified. Conduct project photo monitoring. Prepare field reports.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 11.4C: Construction**

Construction activities are outlined below.

11.4C(i): Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Complete pre-construction staking of the new water main. Design and install DWR Acknowledgement sign as per agreement.

11.4C(ii): Install, construct, excavate: Installation of approximately 12,450 feet of water main. Reconnection of approximately 105 service connections and relocation of approximately 17 service connections. Reconnection of approximately 9 Fire Hydrants and installation of 3 fire hydrants.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

### **IMPLEMENTING AGENCY: Mattole Restoration Council**

**PROJECT DESCRIPTION:** Summer and winter rearing habitat for juvenile salmon and steelhead will be improved within the lower two miles of the Mattole River by creating approximately 1,200 feet of slough/alcove, installing approximately 12,000 feet of willow baffles (includes 7,000 feet using non-DWR funds), and planting approximately 8,000 riparian trees (includes 4,000 trees using non-DWR funds) and approximately 2,000 wetland plants.

The project will have multiple long-term benefits for riparian habitat and water quality, as established riparian vegetation will slow floodplain turnover, store sediment and rack wood, and increase channel heterogeneity. The project will provide fishery improvement of approximately 8,700 smolts per year.

### **Task 12.1 Budget Category (a): Project Administration**

#### Task 12.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 12.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 12. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 12.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 12.3A: Feasibility Studies – Not applicable

#### Task 12.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All necessary CEQA documents as required
- No Legal Challenges Letter



**Task 12.3C: Permitting**

The project will require a SWRCB 401, Army Corps 404 permitting, Coastal Commission Negative Determination, NMFS Section 7 permitting, CDWF 1602 permitting for 2018 Middle Slough and Riparian work and CDWF 1602 permitting to be completed for Middle Slough and Riparian work.

**Deliverables:**

- Permits as required

**Task 12.3D: Design**

100% Design Plans for Middle Slough Restoration and Lower Mattole Riparian Enhancement Plan.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 12.3E: Project Planning**

Meet with Mattole Technical Advisory Committee (TAC) pre-project; Meet with Humboldt County Public Works to coordinate willow baffle installation with Lighthouse Road flood protection; Pre-Project Drone images and photo points.

**Deliverables:**

- Pre-project drone imagery

**Task 12.3F: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 12.4 Budget Category (d): Construction/Implementation****Task 12.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

**Task 12.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. Construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Meet with Mattole Technical Advisory Committee (TAC) post-project

**Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 12.4C: Construction

Construction activities are outlined below.

12.4C(i): Mobilization and Site preparation: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and mobilize tools, pumps, tool storage, security, and safety equipment to project site. Create a project sign describing work and acknowledging DWR and install at Mattole Estuary Overlook.

12.4C(ii): Middle Slough Restoration: Survey and stake slough channel; Clear vegetation and excavate approximately 1,200 ft. of historic slough channel, install approximately 25 large wood habitat features; de-watering during construction.

12.4C(iii): Riparian & In-Stream Restoration & Bank Stabilization: Remove and truck approximately 100 whole trees from 2 acre encroached grassland to in-stream, riparian and bank stabilization sites; grade and install native seed at removal/grassland restoration sites; install trees and approximately 12,000 ft. of willow baffles; irrigation, native seed and mulching; install approximately 10,000 native plants at Middle Slough and Riparian sites. Complete post-project drone images.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 13: Water System Improvements Project**

### **IMPLEMENTING AGENCY: Newell County Water District (NCWD)**

**PROJECT DESCRIPTION:** The project will include cleaning and blasting the interior of a 100,000 gallon tank, structural evaluation of the tank currently to identify any new defects, welding repair of all structural defects, repainting the tank interior, spot blast and prime spot corrosion on exterior, paint new final coat on tank exterior to match the 2009 water storage tank, and minor electrical repairs. The goal of the project is to double the existing storage capacity of the water system in an effort to comply with California Code of Regulations (CCR) section 64554 where water systems with less than 1,000 service connections shall provide storage capacity equivalent to max day demand (MDD). Newell's MDD is 400,000-gallons per day, therefore the existing storage is only 25% of the required storage. This project will help the NCWD work towards compliance with California Waterworks Standards. The project benefits include increased water supply storage capacity of 100,000 gallons for 310 connections and lead contamination reduction for approximately 725 people.

### **Task 13.1 Budget Category (a): Project Administration**

#### Task 13.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 13.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 13. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 13.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 13.3A: Electrical Control System Evaluation

Conduct electrical testing and evaluation.

#### **Deliverables:**

- Electrical Testing Results and Recommendations

#### Task 13.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 13.3C: Permitting

Permits are not anticipated to be required.

Task 13.3D: Design

Develop a Project Manual which will provide the overall project concept for use in development of final design, drawings and specifications including: preliminary design details for and 100% (Final) design, drawings, and specifications. The Project Manual includes all documents needed for the project to be suitable for public bidding including front-end legal documents as well as technical specifications and project drawings.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 13.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 13.4 Budget Category (d): Construction/Implementation**

Task 13.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 13.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

### Task 13.4C: Construction

Construction activities are outlined below.

13.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Contractor will mobilize equipment to site and prepare site for start of work. Design and install a DWR Acknowledgement Sign in an appropriate location.

13.4C(ii): Install, construct, excavate: Remove existing failed tank coatings, evaluate structural integrity of tank, implement structural repairs, repaint tank interior and exterior. Electrical and/or control system improvements depending upon findings of electrical evaluation.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 14: Pacific Reefs Water District Water Tank Replacement**

### **IMPLEMENTING AGENCY: Pacific Reefs Water District (PRWD)**

**PROJECT DESCRIPTION:** The project will install at minimum, a 35,000 gallon “Glass fused to Steel” water storage tank and retain the two 5,000 gallon plastic water tanks (originally installed as a temporary measure). The new tank will be plumbed into the existing system with the two existing 5,000 gallon plastic tanks, which together, will provide a year-round reliable water supply to PRWD's water distribution system. The project consists of the following components: Remove old redwood water tank and concrete pad (to be done by PRWD), install foundation pad for new tank, install new water tank , and install associated plumbing, electrical and control equipment to tie into PRWD's existing system. The project will provide at least 35,000 gallons of increased water supply reliability.

### **Task 14.1 Budget Category (a): Project Administration**

#### Task 14.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 14.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 14.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 14.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 14.3A: Feasibility Studies – Not applicable

#### Task 14.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 14.3C: Permitting

The project is located within the County jurisdiction of the coastal zone. Under this task, a coastal development permit will be developed for the project including application development, county coordination, and permit fees. This task includes an updated evaluation of biological resources at the site in support of the permit development. The District will complete a Mendocino County building permit application, submit to the County, and respond to questions.

**Deliverables:**

- Permits as required

Task 14.3D: Design

The PRWD is anticipating a turnkey storage tank provider to complete a majority of the tank design as well as installation. PRWD will submit a Basis of Design Package. This would include a site survey, geotechnical evaluation for the tank foundation design, and technical specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 14.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 14.4 Budget Category (d): Construction/Implementation**

Task 14.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 14.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 14.4C: Construction

Construction activities are outlined below.

14.4C(i): Mobilization and Demobilization: Equipment mobilization, clearing, grubbing, minor site grading, erosion control. Temporary signage. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Develop information necessary to support the Project Completion Report.

14.4C(ii): Install, construct, excavate: Installation of site piping, tank foundation construction, tank erection, tank disinfection and installation of cathodic protection and telemetry. Water tank shop drawing approval, manufacture, and delivery.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 15: Sanctuary Forest Drought and Emergency Water Project**

**IMPLEMENTING AGENCY:** Sanctuary Forest Inc.

**PROJECT DESCRIPTION:** The purpose of the Sanctuary Forest Drought and Emergency Water Project is to build resilience against climate change, drought and the threat of wildfire. This project will provide salmonid habitat protection while addressing human water needs, security, and public health in the severely disadvantaged Mattole headwaters community of Whitethorn.

One approximately 350,000 gallon water tank will be installed for emergency water storage along with connection to an existing permitted well and piping to a fire hydrant accessible by water and fire trucks. The Whitehorn Elementary school filtration system will be installed in the existing filtration shed in cooperation with the school and State Water Resources Control Board (SWRCB) Division of Drinking Water. Coordinated water management will be implemented through community wide streamflow alerts and forbearance program notices. The project provides benefits of approximately 350,000 gallons per year of expanded water storage capacity and improved fish habitat and passage resulting from forbearance during low stream flows.

### **Task 15.1 Budget Category (a): Project Administration**

#### Task 15.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 15.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 15. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 15.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 15.3A: Feasibility Studies – Not applicable

#### Task 15.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 15.3C: Permitting

Upon completion of the design phase for the emergency water storage system building, grading and encroachment permit applications will be submitted to the County of Humboldt along with engineered plans and fees.

##### **Deliverables:**

- Permits as required

#### Task 15.3D: Design

Development of final design plans for the emergency storage and school filtration will include engineering and survey subcontractors and staff time to ensure project design plans meet objectives, incorporate partner input and ensure that project meets all necessary requirements.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 15.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 15.4 Budget Category (d): Construction/Implementation**

#### Task 15.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents as required

#### Task 15.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 15.4C: Construction

Construction activities are outlined below.

15.4C(i): Mobilization, Site Preparation, and Demobilization: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Project signage will include acknowledgement of funders and conservation & education signage. Additional signage will be installed to discourage dumping and encourage community protection of the site and water project. DWR funding Acknowledgement signage will also be installed at the Whitethorn School.

15.4C(ii): Emergency Water System: Install one approximately 350,000 gallon water tank along with connection to an existing permitted well and piping to a fire hydrant accessible by water and fire trucks. Implementation will include construction of a 2 ft. minimum depth gravel and sand tank pad. Engineered perimeter foundations with hold-downs will be installed. The steel tank will then be assembled onsite and liners will be installed. Plumbing will include installation of a submersible pump in the existing well along with 1.5 inch diameter pipe to connect the well. Tank will be connected to a fire hydrant with 6 inch diameter pipe. Electricity to power the pump will be provided by electrical power drop from PG&E.

15.4C(iii): Whitethorn School Filtration System: Replace existing drinking water filtration system within an existing shed at the Whitethorn School. An engineer approved filtration unit will be designed, fabricated and installed by a water filtration company. Additionally, up to 2 ozone units will be installed in the raw water storage to prevent bacterial growth.

15.4C(iv): Coordinate community water management through: flow alerts, landowner notices to assign pumping days and forbearance periods, administration of group 1600 agreement with CDFW, technical assistance and water rights reporting and streamflow monitoring and flow tracking needed for community water management. Staff tasks will include all of the above plus data input and maintaining records of all activities.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project**

### **IMPLEMENTING AGENCY: Scott River Watershed Council**

**PROJECT DESCRIPTION:** The purpose of the project is to decrease fire risk to humans, the ecosystem, and the City of Etna Water system while improving forest health and reducing Greenhouse Gas (GHG) production; decrease sediment inputs to high value anadromous spawning and rearing streams, supporting ongoing restoration efforts for state and federally listed Southern Oregon Northern California Coho Salmon.

The project includes three components: Kidder Creek Road Restoration, utilizing existing road surveys, 10 high and medium road sites will be treated to reduce sediment production; Ruffey Gap Treatment Area, 65 acres of young, overstocked stands within a 200 foot ridge corridor will be thinned and, remove post-harvest slash and downed material from prior owner logging activities on 100 acres, materials will be slash ground or piled and burned; and Sniktaw Fuel Retreatment, overgrown shaded fuel breaks on 166 acres along Sniktaw Creek will be manually retreated with slash chipped or ground.

The expected project benefits include improved water quality, fire risk reduction to humans and City of Etna water system infrastructure and the ecosystem, climate change mitigation benefits, improved conditions for salmonids, communities and support for Tribal Cultural Values. The project benefits include approximately 23,232 tons per year of sediment reduction and 63 acres of habitat restoration.

### **Task 16.1 Budget Category (a): Project Administration**

#### Task 16.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 16.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 16.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 16.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 16.3A: Feasibility Studies – Not applicable

#### Task 16.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 16.3C: Permitting

All appropriate permits shall be secured for the project from California Department of Fish and Wildlife (CDFW) and North Coast Regional Water Quality Control Board (NCRWQCB) through CDFW Timber review Group. Acquire: CDFW Lake and Streambed Alteration Agreement (LSAA) if determined to be necessary, North Coast Regional Water Control Board (NCRWQB) 401 and Waste Discharge Permit; Army Corp of Engineers (ACOE) 404.

**Deliverables:**

- Permits as required

Task 16.3D: Design

Landowner has completed fuel load density surveys, road inventory and developed plans and specs for road improvements and addressing water quality issues related to land use and road construction and maintenance. Final Design /Plans will be completed as part of the project development process.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 16.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 16.4 Budget Category (d): Construction/Implementation**

Task 16.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

Task 16.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 16.4C: Construction**

Construction activities are outlined below.

16.4C(i): Mobilization and Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of the construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

16.4C(ii): Kidder Creek Road Restoration: Approximately 10 sites per Klamath National Forest Road Sediment Survey and Inventory (RSSI) will be treated with a range of road treatments per design and engineering for drainage and stream crossing sites to prevent sediment. Road out sloping, road dips, improved drainage ditches and culvert replacement are treatment options.

16.4C(iii): Ruffey Gap Thinning & Forest Treatment: Approximately 100' each side ridge road of hazardous fuels reduction and forest health improvement by thinning, piling and burning. Thinning along a strategic ridge road.

16.4C(iv): Ruffey Gap Fuels Reduction: Remove post-harvest slash and downed material from prior owner logging activities on 100 acres. Pile and burn material and or mechanical mastication.

16.4C(v): Sniktaw Fuel Reduction: Approximately 166 acres of understory vegetation will be removed from previously treated areas by grinding or chipping of slash material.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 17: Water System Emergency Generator Project**

### **IMPLEMENTING AGENCY: Smith River Community Services District**

**PROJECT DESCRIPTION:** The Smith River Community Services District (District) provides water to approximately 1,500 customers. The District's water source is from four 40-foot wells that are set back approximately 100 feet from Rowdy Creek. The well pumps move water to a series of five pump stations and eventually eight water storage tanks within the District. The project will add one permanently mounted up to 125 kW generator at the main control building and well site and up to three permanent or mobile generators at the high priority pump stations where no mounted generators exist currently. These locations were identified to be critical infrastructure. The Project will mitigate for loss of power during severe storms (including high winds), earthquakes, fires, and floods and will enhance staff safety by not requiring employees to work during unsafe storm conditions. The project provides benefits of approximately 128,400 gallons per year of increased water supply reliability and improved fire suppression reliability.

### **Task 17.1 Budget Category (a): Project Administration**

#### Task 17.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 17.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 17.2 Budget Category (b): Land Purchase/Easement**

- Not applicable

### **Task 17.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 17.3A: Feasibility Studies – Not applicable

#### Task 17.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

**Task 17.3C: Permitting**

Obtain required permits which may include: Coastal Development Permit from the Coastal Commission and Generator Permit from the North Coast Unified Air Quality Management District.

**Deliverables:**

- Permits as required

**Task 17.3D: Design**

The Project Design task consists of all work necessary to develop construction implementation documents including the final design plans, technical specifications, and opinion of probable construction cost for up to three water systems emergency generators located outside the Main Control Building Site. Standard assumptions will be used for seismic analysis and the small nature of the infrastructure results in very little to no need for surveying to develop a biddable plan set.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 17.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 17.4 Budget Category (d): Construction/Implementation****Task 17.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 17.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings



**Task 17.4C: Construction**

Construction activities are outlined below.

17.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Submittals for schedule and traffic control will be submitted, reviewed, and approved prior to the start of work. Construction equipment mobilization to the site is anticipated to coincide to when the generators and propane tanks will arrive. Design and install a DWR Acknowledgement Sign in an appropriate location. This task includes the required documentation, reports, notices, drawings, and monitoring to complete the project. The project team would prepare final project closeout documents including photographs, observation logs, submittals and meeting notes. In addition, a Notice of Completion would be prepared for approval by the District and submitted to the County for Recording. The project team would prepare and transmit Record Drawings (As-builts) to the District, incorporating any noted changes, change orders or other changes deemed necessary and provide hard copies. Demobilization, including final site cleanup, punch list completion and removal of equipment from the site.

17.4C(ii): Site preparation will include equipment mobilization, public notification, traffic control planning, clearing, grubbing, minor site grading, and erosion control. Temporary signage for traffic control will also be installed.

17.4C(iii): Install, construct, excavate: This task is for construction of the project by a licensed contractor. The project may include minor grading for generator and tank pads, fuel line and electrical conduit trenching, and electrical system modifications. Construction is expected to take 6 months and the following items may be executed: Secure generators and fuel tanks for installation including shop drawing approval, manufacture, and delivery; concrete pad installation; fuel lines and conduit installation; generator and fuel tank installation, start up and testing.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

**PROJECT 18: South Fork Trinity River - Spring Run Chinook Salmon Restoration Project - Phase II****IMPLEMENTING AGENCY: Watershed Research and Training Center (WRTC)**

**PROJECT DESCRIPTION:** The project's goal is to increase wild spring-run Chinook populations. Instream whole tree placement is the primary method for achieving this goal. The project would utilize two unique techniques to place whole trees in the South Fork Trinity River (SFTR). The primary method would use a helicopter to place whole trees at strategic locations throughout an approximately 15-mile reach of the upper SFTR. The second method would utilize a road based mobile cable yarding system to tip whole trees that are too large to be carried by helicopter, into the river channel.

Strategic placement of whole trees will help provide the necessary reach-scale thermal resiliency for wild spring-run Chinook to migrate through and hold in the SFTR, as well as promote the habitat complexity required by juvenile spring Chinook for successful rearing and emigration. The project will provide benefits of approximately 15 miles of stream restoration and increase of approximately 249,500 cubic feet in cold water refugia for salmon.

**Task 18.1 Budget Category (a): Project Administration**Task 18.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

**Deliverables:**

- Invoices and associated backup documentation

Task 18.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

**Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

**Task 18.2 Budget Category (b): Land Purchase/Easement**

Not applicable

**Task 18.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**Task 18.3A: Feasibility Studies – Not applicableTask 18.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 18.3C: Permitting

Appropriate permits shall be secured for the project as per final design.

#### **Deliverables:**

- Permits as required

#### Task 18.3D: Design

Complete land/topographic survey work needed for project design. Complete geomorphic and hydrologic investigation to inform project design/plans. Complete biological inventory work needed for project design. Complete forest inventory and mapping needed for harvest design. Develop a set of final design plans and specifications. The plans and specifications will conform to all necessary requirements to ensure a high-quality product.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 18.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 18.4 Budget Category (d): Construction/Implementation**

#### Task 18.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents as required

#### Task 18.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

#### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 18.4C: Construction

Construction activities are outlined below.

18.4C(i): Prepare Project Site: Initiate project site preparation; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

18.4C(ii): Tree Harvest: Source trees; tree identification, inventory, mark, and map. Utilize foresters and Licensed Timber Operator to ensure compliance. Initiate construction. Mobilization of equipment for tree harvest. Conduct project construction photo-monitoring.

18.4C(iii): Tree tipping/yarding: Initiate project construction with contractor. Utilize a road based mobile cable yarding system to tip whole trees that are too large to be carried by helicopter, into the river channel. Mobilize yarder units. Keep daily records of construction activities, inspection, and progress; conduct project construction photo-monitoring; construct project components

18.4C(iv): Tree placement: Initiate project construction. Use a helicopter to place whole trees at strategic locations throughout an approximately 15-mile reach of the upper SFTR. Keep daily records of construction activities, inspection, and progress; conduct project construction photo-monitoring; construct project components, Mobilization/Demobilization and Fuel Staging, Heli-Loading of Wood - Flight Time, Technical Coordination /Oversight/Management, Quality Control and Engineering Support, and Supplies and Travel.

18.4C(v): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 19: Sewer Improvements Project**

### **IMPLEMENTING AGENCY: Weaverville Sanitary District**

**PROJECT DESCRIPTION:** The project will involve replacement of existing 6 inch sanitary sewer lines identified by the Weaverville Sanitary District (District) as failing or problematic due to root balls or blockages and ranked by the District in terms of greatest need. Zone 1. Lower Barbara - Pipe lining, pipe bursting, or open trench replacement of approximately 700 feet of existing 6-inch Transite pipe installed in 1957. Zone 2. Timber Ridge Road to Syphon - Pipe bursting or open trench replacement of approximately 800 feet of existing 6 inch Transite pipe installed circa 1970. Depending on the findings from closed circuit television inspection and the ultimate contractor bids received for this project, complete replacement of Zone 2 may not be possible.

The project will include repair or replacement of approximately 1,300-feet of gravity sewer pipe. The project will provide benefits of reduced possibility of approximately 1.5 MGD during peak wet weather conditions of sewage leaking into surface and groundwater resources and improved recharge of groundwater basins from subsurface flow prevented from entering sewer.

### **Task 19.1 Budget Category (a): Project Administration**

#### Task 19.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 19.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 19. 2 Budget Category (b): Land Purchase/Easement**

#### Task 19.2A: Land Purchase

Research/acquire record maps, prepare legal descriptions, obtain preliminary title reports, get property appraisal, and acquire land and/or easements. If it is determined no easements exist, assuming a 10-foot permanent easement to be established along the alignments in Zones 1 and 2, approximately 0.5 acres of easement will need to be acquired.

#### **Deliverables:**

- Documentation supporting property value (if purchased)

- All relevant documentation regarding property ownership transfer or acquisition of easement including final recorded deed, title report, etc.

### **Task 19.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 19.3A: Feasibility Studies – Not applicable

#### Task 19.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

##### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 19.3C: Permitting

Tasks may include: Develop and submit an encroachment permit for all construction activities within Trinity County Right of Way.

##### **Deliverables:**

- Permits as required

#### Task 19.3D: Design

Develop a Project Manual which will provide the overall project concept for use in development of final design, drawings and specifications including: preliminary design details for and 100% (Final) design, drawings, and specifications. The Project Manual includes all documents needed for the project to be suitable for public bidding including front-end legal documents as well as technical specifications and project drawings.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 19.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 19.4 Budget Category (d): Construction/Implementation**

#### Task 19.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 19.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 19.4C: Construction**

Construction activities are outlined below.

19.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Contractor will mobilize equipment to site and prep site for start of work. Design and install a DWR Acknowledgement Sign in an appropriate location

19.4C(ii): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring.

19.4C(iii): Install, construct, excavate: Installation or rehabilitation of approximately 1,300-feet of gravity sewer lines.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

### **IMPLEMENTING AGENCY: Yurok Tribe**

**PROJECT DESCRIPTION:** The Yurok Tribe will conduct a number of high priority road and associated stream crossing improvements within the Blue Creek Sanctuary to protect and enhance water quality, increase watershed resiliency to climate change impacts, promote increased community safety (i.e. improve a primary flood & fire evacuation route, improve our ability to manage wildland fires), and help ensure effective Tribal management of vitally important water, wildlife, and forest resources in the Sanctuary. Major components include: drainage improvements, mass wasting prevention, sediment reduction, and erosion control measures along approximately 14 miles of forest roads and replacing/improving approximately 12 water crossings for 100-year flow events.

The project will provide benefits of approximately 70 tons per year of reduced sediment delivery to the watershed and avoided culvert failure.

### **Task 20.1 Budget Category (a): Project Administration**

#### Task 20.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 20.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 20.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 20.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 20.3A: Feasibility Studies – Not applicable

#### Task 20.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**



- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 20.3C: Permitting

Task may include: 1600 Lake & Streambed Alteration Permit Application. Yurok Tribe Cultural Resources Permit Application. Yurok Tribe Environmental Quality Permit Application.

#### **Deliverables:**

- Permits as required

#### Task 20.3D: Design

Develop a Final Design which will provide the overall project concept for use in development of final design, plans and specifications including: preliminary design details for and 100% (Final) design, plans, and specifications.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 20.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 20.4 Budget Category (d): Construction/Implementation**

#### Task 20.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. Contractor agreements must follow Yurok tribe's procurement policy, tribal employment rights ordinance, and be consistent with the State of California's requirements. This task includes requesting and obtaining bids and awarding and executing the contract and completing the lease agreements for heavy equipment needed to complete the work.

#### **Deliverables:**

- Bid Documents as required

#### Task 20.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Activities necessary to secure rock crushing equipment, contacting vendors, request equipment availability and pricing, secure the equipment, have the equipment dispatched, and pay for the equipment services.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 20.4C: Construction**

Construction activities are outlined below.

20.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

20.4C(ii): Install, construct, excavate: Replace approximately 12 culverts and upgrade them to the 100 year storm event; rock approximately 14 miles of road that will help reduce storm surface erosion on unrocked roads; demobilization and erosion prevention (post project BMPs).

20.4C(iii): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Make sure all erosion implementation practices have been completed; demobilize equipment; make sure sub-contractor has completed all tasks; weatherize construction site.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

**EXHIBIT B****BUDGET****PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT****AGREEMENT BUDGET SUMMARY**

		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source</b>	<b>Other Cost Share</b>	<b>Total Cost</b>	<b>Percent Cost Share</b>
	Grant Administration	\$763,200	N/A	\$0	<b>\$763,200</b>	N/A

**PROJECTS**

1	Water Storage Project	\$382,085	\$0	\$0	<b>\$382,085</b>	0%
2	Water Supply Enhancement Project	\$1,076,625	\$0	\$0	<b>\$1,076,625</b>	0%
3	California Street Sewer Replacement	\$326,750	\$0	\$0	<b>\$326,750</b>	0%
4	Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use	\$551,156	\$0	\$134,482	<b>\$685,638</b>	0%
5	Collection System and Wastewater Treatment Plant Improvements	\$750,000	\$0	\$30,000	<b>\$780,000</b>	0%
6	Onsite Emergency Power Supply for Sanitary Sewer Lift Stations	\$807,641	\$0	\$0	<b>\$807,641</b>	0%
7	Kenny Creek Instream Habitat Enhancement Project	\$176,077	\$0	\$46,830	<b>\$222,907</b>	0%
8	Water Tank Seismic Retrofit Project	\$314,744	\$0	\$944,226	<b>\$1,258,970</b>	0%
9	Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project	\$420,324	\$420,488	\$0	<b>\$840,812</b>	50%
10	Ranney Collector 2 Rehabilitation Project	\$600,000	\$0	\$3,105,750	<b>\$3,705,750</b>	0%
11	Water Distribution System Replacement Project	\$1,073,273	\$0	\$2,228,127	<b>\$3,301,400</b>	0%
12	Lower Mattole River and Estuary Enhancement Project Phase II	\$656,165	\$0	\$552,800	<b>\$1,208,965</b>	0%
13	Water System Improvements Project	\$461,607	\$0	\$0	<b>\$461,607</b>	0%
14	Water Tank Replacement Project	\$386,274	\$0	\$10,000	<b>\$396,274</b>	0%

15	Drought and Emergency Water Project	\$558,501	\$0	\$95,210	<b>\$653,711</b>	0%
16	Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project	\$632,370	\$0	\$189,438	<b>\$821,808</b>	0%
17	Water System Emergency Generator Project	\$322,445	\$0	\$0	<b>\$322,445</b>	0%
18	South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II	\$832,495	\$0	\$0	<b>\$832,495</b>	0%
19	Sewer Improvements Project	\$691,000	\$0	\$0	<b>\$691,000</b>	0%
20	Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary	\$937,268	\$0	\$1,538	<b>\$938,806</b>	0%
<b>GRAND TOTAL</b>		<b>\$12,720,000</b>	<b>\$420,488</b>	<b>\$7,338,401</b>	<b>\$20,478,889</b>	<b>2%</b>

**Grant Administration**

Implementing Agency: Humboldt County

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source	Other Cost Share	Total Cost
(a)	Project Administration	\$763,200	N/A	\$0	<b>\$763,200</b>
<b>TOTAL COSTS</b>		<b>\$763,200</b>	<b>N/A</b>	<b>\$0</b>	<b>\$763,200</b>

**PROJECT 1: Water Storage Project**

Implementing Agency: Blue Lake Rancheria

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$8,785	\$0	\$0	<b>\$8,785</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$65,000	\$0	\$0	<b>\$65,000</b>
(d)	Construction / Implementation	\$308,300	\$0	\$0	<b>\$308,300</b>
<b>TOTAL COSTS</b>		<b>\$382,085</b>	<b>\$0</b>	<b>\$0</b>	<b>\$382,085</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 2: Water Supply Enhancement Project**

Implementing Agency: Briceland Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share</b>	<b>Total Cost</b>
(a)	Project Administration	\$32,500	\$0	\$0	<b>\$32,500</b>
(b)	Land Purchase / Easement	\$52,000	\$0	\$0	<b>\$52,000</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$164,500	\$0	\$0	<b>\$164,500</b>
(d)	Construction / Implementation	\$827,625	\$0	\$0	<b>\$827,625</b>
<b>TOTAL COSTS</b>		<b>\$1,076,625</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,076,625</b>

**NOTES:**

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 3: California Street Sewer Replacement**

Implementing Agency: City of Ferndale

Project directly serves a need of a Disadvantaged Community: **Yes**

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share</b>	<b>Total Cost</b>
(a)	Project Administration	\$5,000	\$0	\$0	<b>\$5,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$27,800	\$0	\$0	<b>\$27,800</b>
(d)	Construction / Implementation	\$293,950	\$0	\$0	<b>\$293,950</b>
<b>TOTAL COSTS</b>		<b>\$326,750</b>	<b>\$0</b>	<b>\$0</b>	<b>\$326,750</b>

**NOTES:**

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

Implementing Agency: City of Willits

Project directly serves a need of a Disadvantaged Community: Yes

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share**</b>	<b>Total Cost</b>
(a)	Project Administration	\$9,520	\$0	\$0	<b>\$9,520</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$46,120	\$0	\$0	<b>\$46,120</b>
(d)	Construction / Implementation	\$495,516	\$0	\$134,482	<b>\$629,998</b>
<b>TOTAL COSTS</b>		<b>\$551,156</b>	<b>\$0</b>	<b>\$134,482</b>	<b>\$685,638</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of City of Willits Water Enterprise Fund.

**PROJECT 5: Collection System and Wastewater Treatment Plant Improvements**

Implementing Agency: Covelo Community Services District

Project directly serves a need of a Disadvantaged Community: Yes

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share**</b>	<b>Total Cost</b>
(a)	Project Administration	\$28,700	\$0	\$0	<b>\$28,700</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$87,626	\$0	\$0	<b>\$87,626</b>
(d)	Construction / Implementation	\$633,674	\$0	\$30,000	<b>\$663,674</b>
<b>TOTAL COSTS</b>		<b>\$750,000</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$780,000</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: The Community Foundation of Mendocino County has pledged to contribute \$8,000 towards the solar panels at the WWTP and the Covelo Community Services District is able to provide up to \$22,000 towards the project.

**PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

Implementing Agency: Del Norte County Service Area No. 1

Project directly serves a need of a Disadvantaged Community: Yes

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share</b>	<b>Total Cost</b>
(a)	Project Administration	\$11,000	\$0	\$0	<b>\$11,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$12,500	\$0	\$0	<b>\$12,500</b>
(d)	Construction / Implementation	\$784,141	\$0	\$0	<b>\$784,141</b>
<b>TOTAL COSTS</b>		<b>\$807,641</b>	<b>\$0</b>	<b>\$0</b>	<b>\$807,641</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

Implementing Agency: Eel River Watershed Improvement Group

Project directly serves a need of a Disadvantaged Community: Yes

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share**</b>	<b>Total Cost</b>
(a)	Project Administration	\$7,000	\$0	\$0	<b>\$7,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$38,750	\$0	\$0	<b>\$38,750</b>
(d)	Construction / Implementation	\$130,327	\$0	\$46,830	<b>\$177,157</b>
<b>TOTAL COSTS</b>		<b>\$176,077</b>	<b>\$0</b>	<b>\$46,830</b>	<b>\$222,907</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: 70 landowner donated logs for the project as cost share at the rate of \$600 per log for a total of \$42,000. Eel River Watershed Improvement Group (ERWIG) has anchoring materials in stock that will be donated to the project, it has a value of \$4,830.



**PROJECT 8: Water Tank Seismic Retrofit Project**

Implementing Agency: Fieldbrook Glendale Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$12,176	\$0	\$48,704	<b>\$60,880</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$34,421	\$0	\$103,259	<b>\$137,680</b>
(d)	Construction / Implementation	\$268,147	\$0	\$792,263	<b>\$1,060,410</b>
<b>TOTAL COSTS</b>		<b>\$314,744</b>	<b>\$0</b>	<b>\$944,226</b>	<b>\$1,258,970</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: Federal Funds (FEMA).

**PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

Implementing Agency: Gold Ridge Resource Conservation District

Project directly serves a need of a Disadvantaged Community: **No**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$33,885	\$0	\$0	<b>\$33,885</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$166,982	\$162,876	\$0	<b>\$329,858</b>
(d)	Construction / Implementation	\$219,457	\$257,612	\$0	<b>\$477,069</b>
<b>TOTAL COSTS</b>		<b>\$420,324</b>	<b>\$420,488</b>	<b>\$0</b>	<b>\$840,812</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Cost share for the project is provided by the Gold Ridge and Sonoma RCDs through federal funding provided by the National Fish and Wildlife funding, both as grants directly to the RCD and through the Russian River Coho Water Resources Partnership ("Coho Partnership") and by Daily Acts through contracts with the Cities of Cotati, Windsor, Sebastopol, and Santa Rosa;

**PROJECT 10: Ranney Collector 2 Rehabilitation Project**

Implementing Agency: Humboldt Bay Municipal Water District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$0	\$0	\$57,000	\$57,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$41,500	\$0	\$241,500	\$283,000
(d)	Construction / Implementation	\$558,500	\$0	\$2,807,250	\$3,365,750
<b>TOTAL COSTS</b>		<b>\$600,000</b>	<b>\$0</b>	<b>\$3,105,750</b>	<b>\$3,705,750</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of HBMWD General Funds.

**PROJECT 11: Water Distribution System Replacement Project**

Implementing Agency: Lewiston Community Services District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$38,000	\$0	\$20,000	\$58,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$7,000	\$0	\$236,000	\$243,000
(d)	Construction / Implementation	\$1,028,273	\$0	\$1,972,127	\$3,000,400
<b>TOTAL COSTS</b>		<b>\$1,073,273</b>	<b>\$0</b>	<b>\$2,228,127</b>	<b>\$3,301,400</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of the State Water Resources Control Board, Drinking Water State Revolving Fund.

**PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

Implementing Agency: Mattole Restoration Council

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$25,800	\$0	\$21,000	<b>\$46,800</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$22,950	\$0	\$61,800	<b>\$84,750</b>
(d)	Construction / Implementation	\$607,415	\$0	\$470,000	<b>\$1,077,415</b>
<b>TOTAL COSTS</b>		<b>\$656,165</b>	<b>\$0</b>	<b>\$552,800</b>	<b>\$1,208,965</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: California Department Fish & Wildlife Fisheries Restoration Grant Program (National Oceanic & Atmospheric Administration Funds), US Fish & Wildlife Service Coastal Program, Pacific Marine Estuary Program, Bureau of Land Management, State Coastal Conservancy.

**PROJECT 13: Water System Improvements Project**

Implementing Agency: Newell County Water District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$15,607	\$0	\$0	<b>\$15,607</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$42,000	\$0	\$0	<b>\$42,000</b>
(d)	Construction / Implementation	\$404,000	\$0	\$0	<b>\$404,000</b>
<b>TOTAL COSTS</b>		<b>\$461,607</b>	<b>\$0</b>	<b>\$0</b>	<b>\$461,607</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

**PROJECT 14: Water Tank Replacement Project**

Implementing Agency: Pacific Reefs Water District (PRWD)

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$16,880	\$0	\$0	<b>\$16,880</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$64,514	\$0	\$0	<b>\$64,514</b>
(d)	Construction / Implementation	\$304,880	\$0	\$10,000	<b>\$314,880</b>
<b>TOTAL COSTS</b>		<b>\$386,274</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$396,274</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: PRWD will be responsible for the costs of redwood tank and foundation demolition and removal.

**PROJECT 15: Drought and Emergency Water Project**

Implementing Agency: Sanctuary Forest Inc.

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$19,650	\$0	\$0	<b>\$19,650</b>
(b)	Land Purchase / Easement	\$0	\$0	\$41,160	<b>\$41,160</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$29,550	\$0	\$8,000	<b>\$37,550</b>
(d)	Construction / Implementation	\$509,301	\$0	\$46,050	<b>\$555,351</b>
<b>TOTAL COSTS</b>		<b>\$558,501</b>	<b>\$0</b>	<b>\$95,210</b>	<b>\$653,711</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: Sanctuary Forest funds, Southern Humboldt School District, community members and volunteers.

**PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project****PROJECT 17: Water System Emergency Generator Project**

Implementing Agency: Smith River Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share</b>	<b>Total Cost</b>
(a)	Project Administration	\$16,200	\$0	\$0	<b>\$16,200</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$29,950	\$0	\$0	<b>\$29,950</b>
(d)	Construction / Implementation	\$276,295	\$0	\$0	<b>\$276,295</b>
<b>TOTAL COSTS</b>		<b>\$322,445</b>	<b>\$0</b>	<b>\$0</b>	<b>\$322,445</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a DAC/EDA cost share waiver.

**PROJECT 18: South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II**

Implementing Agency: Watershed Research and Training Center

Project directly serves a need of a Disadvantaged Community: **Yes**

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share</b>	<b>Total Cost</b>
(a)	Project Administration	\$33,195	\$0	\$0	<b>\$33,195</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$93,008	\$0	\$0	<b>\$93,008</b>
(d)	Construction / Implementation	\$706,292	\$0	\$0	<b>\$706,292</b>
<b>TOTAL COSTS</b>		<b>\$832,495</b>	<b>\$0</b>	<b>\$0</b>	<b>\$832,495</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

**PROJECT 19: Sewer Improvements Project**

Implementing Agency: Weaverville Sanitary District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$27,000	\$0	\$0	\$27,000
(b)	Land Purchase / Easement	\$30,000	\$0	\$0	\$30,000
(c)	Planning / Design / Engineering / Environmental Documentation	\$118,000	\$0	\$0	\$118,000
(d)	Construction / Implementation	\$516,000	\$0	\$0	\$516,000
<b>TOTAL COSTS</b>		<b>\$691,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$691,000</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

Implementing Agency: Yurok Tribe

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$10,940	\$0	\$0	\$10,940
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$47,401	\$0	\$1,538	\$48,939
(d)	Construction / Implementation	\$878,927	\$0	\$0	\$878,927
<b>TOTAL COSTS</b>		<b>\$937,268</b>	<b>\$0</b>	<b>\$1,538</b>	<b>\$938,806</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: Yurok Cultural and Environmental Departments.

**GRANT AGREEMENT BETWEEN THE STATE OF CALIFORNIA  
(DEPARTMENT OF WATER RESOURCES) AND  
HUMBOLDT COUNTY  
AGREEMENT NUMBER 4600013820  
PROPOSITION 1 ROUND 1 INTEGRATED REGIONAL WATER MANAGEMENT (IRWM)  
IMPLEMENTATION GRANT  
AMENDMENT 1**

THIS GRANT AGREEMENT is entered into by and between the Department of Water Resources of the State of California, herein referred to as the "State" or "DWR," and the Humboldt County, a public agency in the State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Grantee," which parties do hereby agree as follows:

- 1) PURPOSE. The State shall provide funding from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) to the Grantee to assist in financing the projects, which are included in and implemented in an adopted Integrated Regional Water Management Plan (IRWM Plan), pursuant to Chapter 7. Regional Water Security, Climate, and Drought Preparedness (Wat. Code, § 79740 et seq.). The provision of State funds pursuant to this Agreement shall be construed or interpreted to mean that the IRWM Plan, or any components of the IRWM Plan, implemented in accordance with the Work Plan as set forth in Exhibit A, has been adopted through the IRWM Plan Review Process, and is/are consistent with Water Code section 10530 et seq.
- 2) TERM OF GRANT AGREEMENT. The term of this Grant Agreement begins April 8, 2020 through final payment plus three (3) years unless otherwise terminated or amended as provided in this Grant Agreement. However, all work shall be completed by June 30, 2025 in accordance with the Schedule as set forth in Exhibit C and no funds may be requested after September 30, 2025.
- 3) GRANT AMOUNT. The maximum amount payable by the State under this Grant Agreement shall not exceed \$12,720,000.
- 4) GRANTEE COST SHARE. The Grantee is required to provide a Local Cost Share (non-state funds) as set forth in Exhibit B (Budget). Local Cost Share may include Eligible Project Costs directly related to Exhibit A incurred after January 1, 2015.
- 5) BASIC CONDITIONS.
  - A. Unless exempt as per the 2019 IRWM Implementation Grant Proposal Solicitation Package, project(s) that are subject to the California Environmental Quality Act (CEQA) including final land purchases, shall not be included in this Agreement until the CEQA process is completed and all permits necessary to begin construction are acquired. Projects providing at least 75% of benefits to a disadvantaged community (DAC), economically distressed area (EDA), and/or Tribe (based on population or geography), or projects implemented by Tribes will be exempt from this requirement.
    - i. Such projects will be included in the Agreement as a placeholder. Placeholder projects are not eligible for grant reimbursement and may not submit invoices to DWR until such time as they are fully included in the Agreement.
    - ii. Placeholder projects that complete CEQA and/or acquire permits (necessary to begin construction) within eighteen (18) months of the agreement execution date will be amended into the agreement. At the end of the eighteen (18)-month term, any placeholder projects that fail to complete CEQA and/or acquire permits will be deleted from the Agreement. The total grant award will be reduced by the amount of the deleted project(s). Replacement projects will not be allowed. Reduced amount will be made available to the respective Funding Area in future funding rounds on a competitive basis. Deleted placeholder projects will not be eligible to receive any grant reimbursement under this Agreement, however, such project could be eligible under the next round of grant solicitation.

- B. The State shall have no obligation to disburse money for the Project(s) under this Grant Agreement until the Grantee has satisfied the following conditions (if applicable):
- i. The Grantee shall demonstrate compliance with all eligibility criteria as set forth on pages 9-11, inclusive, of the 2019 IRWM Implementation Grant Program Guidelines (2019 Guidelines).
  - ii. For the term of this Agreement, the Grantee shall submit Quarterly Progress Reports which must accompany an invoice and all invoice backup documentation (\$0 Invoices are acceptable). The Quarterly Progress Report shall be submitted within 60 days following the end of the calendar quarter (i.e. reports due May 30, August 29, November 29, and March 1) and all other deliverables as required by Paragraph 14, "Submission of Reports" and Exhibit A, "Work Plan".
  - iii. Prior to the commencement of construction or implementation activities, if applicable, the Grantee shall submit the following to the State.
    1. Final plans and specifications certified, signed and stamped by a California Registered Civil Engineer (or equivalent registered professional as appropriate) to certify compliance for each approved project as listed in Exhibit A of this Grant Agreement.
    2. Work that is subject to the California Environmental Quality Act (CEQA) (including final land purchases) shall not proceed under this Grant Agreement until the following actions are performed:
      - a) The Grantee submits to the State all applicable environmental permits , as indicated on the Environmental Information Form to the State,
      - b) Documents that satisfy the CEQA process are received by the State,
      - c) The State has completed its CEQA process as a Responsible Agency, and
      - d) The Grantee receives written notification from the State of concurrence with the Lead Agency's CEQA document(s) and State's notice of verification of environmental permit submittal.
- The State's concurrence of Lead Agency's CEQA documents is fully discretionary and shall constitute a condition precedent to any work (i.e., construction or implementation activities) for which it is required. Once CEQA documentation has been completed, the State will consider the environmental documents and decide whether to continue to fund the project, or to require changes, alterations, or other mitigation. Proceeding with work subject to CEQA prior to the State's concurrence shall constitute a material breach of this Agreement. The Grantee or Local Project Sponsor (LPS) shall also demonstrate that it has complied with all applicable requirements of the National Environmental Policy Act (NEPA) by submitting copies of any environmental documents, including Environmental Impact Statements, Finding of No Significant Impact, mitigation monitoring programs, and environmental permits as may be required prior to beginning construction/ implementation.
- iv. A monitoring plan as required by Paragraph 16, "Monitoring Plan Requirements," if applicable.
- 6) DISBURSEMENT OF FUNDS. The State will disburse to the Grantee the amount approved, subject to the availability of funds through normal State processes. Notwithstanding any other provision of this Grant Agreement, no disbursement shall be required at any time or in any manner which is in violation of, or in conflict with, federal or state laws, rules, or regulations, or which may require any rebates to the federal government, or any loss of tax-free status on state bonds, pursuant to any federal statute or regulation. Any and all money disbursed to the Grantee under this Grant Agreement shall be deposited in a non-interest bearing account and shall be used solely to pay Eligible Project Costs.



- 7) ELIGIBLE PROJECT COST. The Grantee shall apply State funds received only to Eligible Project Costs in accordance with applicable provisions of the law and Exhibit B, “Budget”. Eligible Project Costs include the reasonable costs of studies, engineering, design, land and easement acquisition and associated legal fees, preparation of environmental documentation, environmental mitigations, monitoring, and project construction. Reimbursable administrative expenses are the necessary costs incidental but directly related to the Project included in this Agreement. Costs incurred after the April 7, 2020 may be eligible for reimbursement.

Costs that are not eligible for reimbursement include, but are not limited to, the following items:

- A. Costs, other than those noted above, incurred prior to the award date of this Grant.
  - B. Costs for preparing and filing a grant application.
  - C. Operation and maintenance costs, including post construction performance and monitoring costs.
  - D. Purchase of equipment that is not an integral part of a project.
  - E. Establishing a reserve fund.
  - F. Purchase of water supply.
  - G. Replacement of existing funding sources for ongoing programs.
  - H. Meals, food items, or refreshments.
  - I. Payment of any punitive regulatory agency requirement, federal or state taxes.
  - J. Purchase of land in excess of the minimum required acreage necessary to operate as an integral part of a project, as set forth and detailed by engineering and feasibility studies, or acquisition of land by eminent domain.
  - K. Overhead and Indirect Costs. “Indirect Costs” means those costs that are incurred for a common or joint purpose benefiting more than one cost objective and are not readily assignable to the funded project (i.e., costs that are not directly related to the funded project). Examples of Indirect Costs include, but are not limited to: central service costs; general administration of the Grantee or LPSs; non-project-specific accounting and personnel services performed within the Grantee’s or LPS’ organization; depreciation or use allowances on buildings and equipment; the costs of operating and maintaining non-project-specific facilities; tuition and conference fees; forums, trainings, and seminars; and, generic overhead or markup. This prohibition applies to the Grantee, LPSs, and any subcontract or sub-agreement for work on the Project that will be reimbursed pursuant to this Agreement.
  - L. Mitigation for environmental impacts not resulting from implementation of the Project funded by this program.
- 8) METHOD OF PAYMENT. After the disbursement requirements in Paragraph 5, “Basic Conditions” are met, the State will disburse the whole or portions of State funding to the Grantee, following receipt from the Grantee of an electronic invoice certified and transmitted via electronic/digital signature system (e.g., DocuSign) or via US mail or Express mail delivery of a “wet signature” for costs incurred, including Local Cost Share, and timely Quarterly Progress Reports as required by Paragraph 14, “Submission of Reports.” Payment will be made no more frequently than monthly, in arrears, upon receipt of an invoice bearing the Grant Agreement number. Quarterly Progress Report must accompany an invoice (\$0 Invoices are acceptable) and shall be submitted within 60 days following the end of the calendar quarter (i.e. invoices due May 30, August 29, November 29, and March 1). The State will notify the Grantee, in a timely manner, whenever, upon review of an invoice, the State determines that any portion or portions of the costs claimed are not eligible costs or is not supported by documentation or receipts acceptable to the State. The Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to the State to cure such deficiency(ies). If the Grantee fails to submit adequate documentation curing the deficiency(ies), the State will adjust the pending invoice by the amount of ineligible or unapproved costs.

Invoices submitted by the Grantee shall include the following information:

- A. Costs incurred for work performed in implementing the Project during the period identified in the particular invoice.
- B. Costs incurred for any interests in real property (land or easements) that have been necessarily acquired for a project during the period identified in the particular invoice for the implementation of a project.
- C. Invoices shall be submitted on forms provided by the State and shall meet the following format requirements:
  - i. Invoices shall contain the date of the invoice, either the time period covered by the invoice or the invoice date received within the time period covered, and the total amount due.
  - ii. Invoices shall be itemized based on the categories (i.e., tasks) specified in Exhibit B, "Budget." The amount claimed for salaries/wages/consultant fees shall include a calculation formula (i.e., hours or days worked times the hourly or daily rate = the total amount claimed).
  - iii. One set of sufficient evidence (i.e., receipts, copies of checks, personnel hours' summary table, time sheets) shall be provided for all costs included in the invoice.
  - iv. Each invoice shall clearly delineate those costs claimed for reimbursement from the State's funding amount, as depicted in Paragraph 3, "Grant Amount" and those costs that represent the Grantee's costs, as applicable, in Paragraph 4, "Grantee Cost Share."
  - v. Original signature and date of the Grantee's Project Representative. Submit an electronic invoice, certified and transmitted via electronic/digital signature system (e.g., DocuSign), from authorized representative to the Project Manager or the original "wet signature" copy of the invoice form to the Project Manager at the following address: P.O. Box 942836, Sacramento, California 942836

All invoices submitted shall be accurate and signed under penalty of law. Any and all costs submitted pursuant to this Agreement shall only be for the tasks set forth herein. The Grantee shall not submit any invoice containing costs that are ineligible or have been reimbursed from other funding sources unless required and specifically noted as such (i.e., cost share). Any eligible costs for which the Grantee is seeking reimbursement shall not be reimbursed from any other source. Double or multiple billing for time, services, or any other eligible cost is illegal and constitutes fraud. Any suspected occurrences of fraud, forgery, embezzlement, theft, or any other misuse of public funds may result in suspension of disbursements of grant funds and/or termination of this Agreement requiring the repayment of all funds disbursed hereunder plus interest. Additionally, the State may request an audit pursuant to Paragraph D.5 and refer the matter to the Attorney General's Office or the appropriate district attorney's office for criminal prosecution or the imposition of civil liability. (Civ. Code, §§ 1572-1573; Pen. Code, §§ 470, 487-489.)

- 9) **ADVANCED PAYMENT.** Water Code section 10551 authorizes advanced payment by the State for projects included and implemented in an applicable Integrated Regional Water Management Plan, and when the project proponent is a nonprofit organization; a disadvantaged community (DAC); or the project benefits a DAC. If a project is awarded less than \$1,000,000 in grant funds, the project proponent may receive an advanced payment of fifty (50) percent of the grant award; the remaining fifty (50) percent of the grant award will be reimbursed in arrears after the advanced funds of a budget category have been fully expended. Within ninety (90) calendar days of execution of the Grant Agreement, the Grantee may provide the State an Advanced Payment Request. Advanced Payment Requests received ninety-one (91) calendar days after the execution of this Agreement will not be eligible to receive an advanced payment. The Advanced Payment Request shall contain the following:
  - A. Documentation demonstrating that each Local Project Sponsor (if different from the Grantee, as listed in Exhibit I) was notified about their eligibility to receive an advanced payment and a response from the Local Project Sponsor stating whether it wishes to receive the advanced payment or not.
  - B. If the Grantee is requesting the advanced payment, the request(s) shall include:

- i. Descriptive information of each project with an update on project status
  - ii. The names of the entities that will receive the funding for each project, including, but not limited to, an identification as to whether the project proponent or proponents are nonprofit organizations or a DAC, or whether the project benefits a DAC
  - iii. A detailed Funding Plan which includes how the advanced payment will be expended (in terms of workplan, budget, and schedule) within the timeframe agreed upon by DWR and the Grantee. The Funding Plan must clearly identify the total budget (at Budget Category Level) for each project clearly showing the portion of advanced payment and reimbursement funds.
  - iv. Any other information that DWR may deem necessary
- C. Upon review and approval of the Advanced Payment Request, DWR will authorize payment of the fully requested amount for the qualified project(s). Based on the project's Funding Plan and other considerations, DWR may determine it is not prudent to advance the full request in a single disbursement. In such a case, DWR will develop a "Disbursement Schedule," to disburse funds in installments. This Disbursement Schedule may change based on the project's ongoing compliance with the Advanced Payment requirements and the project's cash flow needs.
- D. Once DWR authorizes the Advanced Payment Request, the Grantee shall submit Advanced Payment Invoice(s) for the initial amount based on the "Disbursement Schedule" on behalf of the LPS(s), containing the request for each qualified project, to the State with signature and date of the Grantee's Project Representative, as indicated in Paragraph 21, "Project Representative." The Grantee shall be responsible for the timely distribution of the advanced funds to the respective LPS(s). The Advanced Payment Invoice(s) shall be submitted on forms provided by the State and shall meet the following format requirements:
- i. Invoice shall contain the date of the invoice, the time period covered by the invoice, and the total amount due.
  - ii. Invoice shall be itemized based on the budget categories specified in Exhibit B, "Budget."
  - iii. The State Project Manager will notify the Grantee, in a timely manner, when, upon review of an Advance Payment Invoice, the State determines that any portion or portions of the costs claimed are not eligible costs. The Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to cure such deficiency(ies).
  - iv. On a quarterly basis, the Grantee will submit an Accountability Report to the State that demonstrates how actual expenditures compare with the scheduled budget. The Accountability Report shall include the following information:
    - 1. An itemization of how advanced funds have been spent to-date (Expenditure Report), including documentation that supports the disbursements (e.g., contractor invoices, receipts, personnel hours, etc.). Accountability Reports shall be itemized based on the budget categories (i.e., tasks) specified in Exhibit B.
    - 2. An updated Accountability Report including an updated Funding Plan that depicts how the remaining advanced funds will be expended and the activities and deliverables associated with the advanced funds within the timeframe agreed upon by DWR and the Grantee when the advanced payment request was approved.
    - 3. Documentation that the funds were placed in a non-interest bearing account, including the dates of deposits and withdrawals from that account.
    - 4. Proof of distribution of advanced funds to LPS(s), if applicable.
  - v. The State's Project Manager will notify the Grantee, in a timely manner, when, upon review of the Accountability Report, the State determines that any portion of the expenditures claimed are not eligible costs. The Grantee may, within thirty (30) calendar days of the date of receipt of such notice, submit additional documentation to cure such deficiency(ies). If costs are not consistent

with the tasks in Exhibit A, the State will reject the claim and remove them from the Accountability Report.

- E. Once the Grantee has spent all advanced funds in a budget category, then the method of payment will revert to the reimbursement process for that budget category specified in Paragraph 8, "Method of Payment for Reimbursement."

10) REPAYMENT OF ADVANCES. The State may demand repayment from the Grantee of all or any portion of the advanced State funding along with interest at the California general obligation bond interest rate at the time the State notifies the Grantee, as directed by the State, and take any other action that it deems necessary to protect its interests for the following conditions:

- A. A project is not being implemented in accordance with the provisions of the Grant Agreement.
- B. The Grantee has failed in any other respect to comply with the provisions of this Grant Agreement, and if the Grantee does not remedy any such failure to the State's satisfaction.
- C. Failure by the Grantee to submit complete and accurate quarterly Accountability Reports by the required due dates, unless otherwise approved by DWR.
- D. Failure to deposit funds in a non-interest-bearing account.
- E. Use of Advance Payment funds for ineligible expenses and/or activities not consistent with this Agreement.
- F. Inappropriate use of funds, as deemed by DWR.
- G. Repayment amounts may also include:
  - i. Actual costs incurred which are not consistent with the activities presented in Exhibit A, not supported, or are ineligible.
  - ii. Advanced funds which are not fully expended by project completion, notwithstanding Water Code section 10551(c)(4). Unused grant funds shall be returned to DWR within sixty (60) calendar days.

Any repayment of advanced funds may consist of reducing the amount from future reimbursement invoices. The State may consider the Grantee's refusal to repay the requested advanced amount a material breach of this Agreement subject to the default provisions in Paragraph 12, "Default Provisions." If the State notifies the Grantee of its decision to demand repayment or withhold the entire funding amount from the Grantee pursuant to this Paragraph, this Grant Agreement shall terminate upon receipt of such notice by the Grantee and the State shall no longer be required to provide funds under this Agreement.

11) WITHHOLDING OF DISBURSEMENTS BY THE STATE. If the State determines that a project is not being implemented in accordance with the provisions of this Grant Agreement, or that the Grantee has failed in any other respect to comply with the provisions of this Grant Agreement, and if the Grantee does not remedy any such failure to the State's satisfaction, the State may withhold from the Grantee all or any portion of the State funding and take any other action that it deems necessary to protect its interests. Where a portion of the State funding has been disbursed to the Grantee and the State notifies the Grantee of its decision not to release funds that have been withheld pursuant to Paragraph 12, "Default Provisions," the portion that has been disbursed shall thereafter be repaid immediately with interest at the California general obligation bond interest rate at the time the State notifies the Grantee, as directed by the State. The State may consider the Grantee's refusal to repay the requested disbursed amount a material breach subject to the default provisions in Paragraph 12, "Default Provisions." If the State notifies the Grantee of its decision to withhold the entire funding amount from the Grantee pursuant to this Paragraph, this Grant Agreement shall terminate upon receipt of such notice by the Grantee and the State shall no longer be required to provide funds under this Grant Agreement and the Grant Agreement shall no longer be binding on either party.

12) DEFAULT PROVISIONS. The Grantee shall be in default under this Grant Agreement if any of the following occur:

- A. Substantial breaches of this Grant Agreement, or any supplement or amendment to it, or any other agreement between the Grantee and the State evidencing or securing the Grantee's obligations;
- B. Making any false warranty, representation, or statement with respect to this Grant Agreement or the application filed to obtain this Grant Agreement;
- C. Failure to operate or maintain the Project in accordance with this Grant Agreement.
- D. Failure to make any remittance required by this Grant Agreement, including any remittance recommended as the result of an audit conducted pursuant to Paragraph D.5.
- E. Failure to submit quarterly progress reports pursuant to Paragraph 5.
- F. Failure to routinely invoice the State pursuant to Paragraph 8.
- G. Failure to meet any of the requirements set forth in Paragraph 13, "Continuing Eligibility."

Should an event of default occur, the State shall provide a notice of default to the Grantee and shall give the Grantee at least ten (10) calendar days to cure the default from the date the notice is sent via first-class mail to the Grantee. If the Grantee fails to cure the default within the time prescribed by the State, the State may do any of the following:

- A. Declare the funding be immediately repaid, with interest, which shall be equal to State of California general obligation bond interest rate in effect at the time of the default.
- B. Terminate any obligation to make future payments to the Grantee.
- C. Terminate the Grant Agreement.
- D. Take any other action that it deems necessary to protect its interests.

In the event the State finds it necessary to enforce this provision of this Grant Agreement in the manner provided by law, the Grantee agrees to pay all costs incurred by the State including, but not limited to, reasonable attorneys' fees, legal expenses, and costs.

13) CONTINUING ELIGIBILITY. The Grantee shall meet the following ongoing requirement(s) and all eligibility criteria outlined in the 2019 Guidelines to remain eligible to receive State funds:

- A. An urban water supplier that receives grant funds pursuant to this Agreement shall maintain compliance with the Urban Water Management Planning Act (UWMP; Wat. Code, § 10610 et seq.) and Sustainable Water Use and Demand Reduction (Wat. Code, § 10608 et seq.) as set forth on page 11 of the 2019 Guidelines, and as stated on page 22 of the Proposal Solicitation Package.
- B. An agricultural water supplier receiving grant funds shall comply with Sustainable Water Use and Demand Reduction requirements outlined in Water Code section 10608, et seq. and have their Agricultural Water Management Plan (AWMP) deemed consistent by DWR. To maintain eligibility and continue funding disbursements, an agricultural water supply shall have their 2015 AWMP identified on the State's website. For more information, visit the website listed in Appendix A in the 2019 Guidelines.
- C. A surface water diverter receiving grant funds shall maintain compliance with diversion reporting requirements as outlined in Water Code section 5100 et. seq.
- D. If applicable, the Grantee shall demonstrate compliance with the Sustainable Groundwater Management Act (SGMA) set forth on page 10 of the 2019 Guidelines.
- E. If the Grantee has been designated as a monitoring entity under the California Statewide Groundwater Elevation Monitoring (CASGEM) Program, the Grantee shall maintain reporting compliance, as required by Water Code section 10932 and the CASGEM Program.
- F. The Grantee shall adhere to the protocols developed pursuant to The Open and Transparent Water Data Act (Wat. Code, § 12406, et seq.) for data sharing, transparency, documentation, and quality control.

- 14) SUBMISSION OF REPORTS. The submittal and approval of all reports is a requirement for the successful completion of this Grant Agreement. Reports shall meet generally accepted professional standards for technical reporting and shall be proofread for content, numerical accuracy, spelling, and grammar prior to submittal to the State. All reports shall be submitted to the State's Project Manager and shall be submitted via the DWR "Grant Review and Tracking System" (GRanTS). If requested, the Grantee shall promptly provide any additional information deemed necessary by the State for the approval of reports. Reports shall be presented in the formats described in the applicable portion of Exhibit F, "Report Formats and Requirements." The timely submittal of reports is a requirement for initial and continued disbursement of State funds. Submittal and subsequent approval by the State of a Project Completion Report is a requirement for the release of any funds retained for such project.
- A. Quarterly Progress Reports: The Grantee shall submit quarterly Progress Reports to meet the State's requirement for disbursement of funds. Progress Reports shall be uploaded via GRanTS, and the State's Project Manager notified of upload. Progress Reports shall, in part, provide a brief description of the work performed, the Grantee's activities, milestones achieved, any accomplishments and any problems encountered in the performance of the work under this Grant Agreement during the reporting period. The first Progress Report must accompany an invoice (\$0 Invoices are acceptable) and shall be submitted within 60 days following the end of the calendar quarter (i.e. invoices due May 30, August 29, November 29, and March 1).
  - B. Accountability Report: The Grantee shall prepare and submit to the State an Accountability Report on a quarterly basis if the Grantee received an advanced payment, consistent with the provisions in Paragraph 9, "Advanced Payment."
  - C. Project Completion Report: The Grantee shall prepare and submit to the State a separate Project Completion Report for each project included in Exhibit A. The Grantee shall submit a Project Completion Report (or a Component Completion Report, if a Project has multiple Components) within ninety (90) calendar days of Project/Component completion as outlined in Exhibit F.
  - D. Grant Completion Report: Upon completion of all the Projects included in Exhibit A, the Grantee shall submit to the State a Grant Completion Report. The Grant Completion Report shall be submitted within ninety (90) calendar days of submitting the Completion Report for the final project to be completed under this Grant Agreement, as outlined in Exhibits A, and F. Retention for any grant administration line items in the Budget of this Grant Agreement will not be disbursed until the Grant Completion Report is approved by the State.
  - E. Post-Performance Reports: The Grantee shall prepare and submit to the State Post-Performance Reports for the applicable project(s). Post-Performance Reports shall be submitted to the State within ninety (90) calendar days after the first operational year of a project has elapsed. This record keeping and reporting process shall be repeated annually for a total of three (3) years after the project begins operation.
- 15) OPERATION AND MAINTENANCE OF PROJECT. For the useful life of construction and implementation projects and in consideration of the funding made by the State, the Grantee agrees to ensure or cause to be performed the commencement and continued operation of the project, and shall ensure or cause the project to be operated in an efficient and economical manner; shall ensure all repairs, renewals, and replacements necessary to the efficient operation of the same are provided; and shall ensure or cause the same to be maintained in as good and efficient condition as upon its construction, ordinary and reasonable wear and depreciation excepted. The State shall not be liable for any cost of such maintenance, management, or operation. The Grantee or their successors may, with the written approval of the State, transfer this responsibility to use, manage, and maintain the property. For purposes of this Grant Agreement, "useful life" means period during which an asset, property, or activity is expected to be usable for the purpose it was acquired or implemented; "operation costs" include direct costs incurred for material and labor needed for operations, utilities, insurance, and similar expenses, and "maintenance costs" include ordinary repairs and replacements of a recurring nature necessary for capital assets and basic structures and the expenditure of funds necessary to replace or reconstruct capital assets or basic structures. Refusal by the Grantee to ensure operation and maintenance of the projects in accordance

with this provision may, at the option of the State, be considered a breach of this Grant Agreement and may be treated as default under Paragraph 12, “Default Provisions.”

- 16) MONITORING PLAN REQUIREMENTS. A Monitoring Plan shall be submitted to the State prior to disbursement of State funds for construction or monitoring activities. The Monitoring Plan should incorporate Post-Performance Monitoring Report requirements as defined and listed in Exhibit F, and follow the guidance provided in Exhibit L, “Project Monitoring Plan Guidance.”
- 17) STATEWIDE MONITORING REQUIREMENTS. The Grantee shall ensure that all groundwater projects and projects that include groundwater monitoring requirements are consistent with the Groundwater Quality Monitoring Act of 2001 (Water Code § 10780 et seq.) and, where applicable, that projects that affect water quality shall include a monitoring component that allows the integration of data into statewide monitoring efforts, including where applicable, the Surface Water Ambient Monitoring Program carried out by the State Water Resources Control Board. See Exhibit G for web links and information regarding other State monitoring and data reporting requirements.
- 18) NOTIFICATION OF STATE. The Grantee shall promptly notify the State, in writing, of the following items:
  - A. Events or proposed changes that could affect the scope, budget, or work performed under this Grant Agreement. The Grantee agrees that no substantial change in the scope of a project will be undertaken until written notice of the proposed change has been provided to the State and the State has given written approval for such change. Substantial changes generally include changes to the scope of work, schedule or term, and budget.
  - B. Any public or media event publicizing the accomplishments and/or results of this Grant Agreement and provide the opportunity for attendance and participation by the State’s representatives. The Grantee shall make such notification at least fourteen (14) calendar days prior to the event.
  - C. Discovery of any potential archaeological or historical resource. Should a potential archaeological or historical resource be discovered during construction, the Grantee agrees that all work in the area of the find shall cease until a qualified archaeologist has evaluated the situation and made recommendations regarding preservation of the resource, and the State has determined what actions should be taken to protect and preserve the resource. The Grantee agrees to implement appropriate actions as directed by the State.
  - D. The initiation of any litigation or the threat of litigation against the Grantee or an LPS regarding the Project or which may affect the Project in any way.
  - E. Applicable to construction projects only: Final inspection of the completed work on a project by a Registered Professional (Civil Engineer, Engineering Geologist, or other State approved certified/licensed Professional), in accordance with Exhibit D. The Grantee shall notify the State’s Project Manager of the inspection date at least fourteen (14) calendar days prior to the inspection in order to provide the State the opportunity to participate in the inspection.
- 19) NOTICES. Any notice, demand, request, consent, or approval that either party desires or is required to give to the other party under this Grant Agreement shall be in writing. Notices may be transmitted by any of the following means:
  - A. By delivery in person.
  - B. By certified U.S. mail, return receipt requested, postage prepaid.
  - C. By “overnight” delivery service; provided that next-business-day delivery is requested by the sender.
  - D. By electronic means.
  - E. Notices delivered in person will be deemed effective immediately on receipt (or refusal of delivery or receipt). Notices sent by certified mail will be deemed effective given ten (10) calendar days after the date deposited with the U.S. Postal Service. Notices sent by overnight delivery service will be deemed effective one business day after the date deposited with the delivery service. Notices sent electronically will be effective on the date of transmission, which is documented in writing. Notices

shall be sent to the addresses listed below. Either party may, by written notice to the other, designate a different address that shall be substituted for the one below.

- 20) PERFORMANCE EVALUATION. Upon completion of this Grant Agreement, the Grantee's performance will be evaluated by the State and a copy of the evaluation will be placed in the State file and a copy sent to the Grantee.
- 21) PROJECT REPRESENTATIVES. The Project Representatives during the term of this Grant Agreement are as follows:

Department of Water Resources

Arthur Hinojosa  
Chief, Division of Regional Assistance  
P.O. Box 942836  
Sacramento, CA 94236-0001  
Phone: (916) 653-4736  
Email: Arthur.Hinojosa@water.ca.gov

Humboldt County

Thomas K. Mattson  
Director, Public Works Department  
1106 2<sup>nd</sup> Street  
Eureka, CA 95501  
Phone: (707) 268-2666  
Email: tmattson@co.humboldt.ca.us

Direct all inquiries to the Project Manager:

Department of Water Resources

Eric Martinez  
Water Resources Engineer  
P.O. Box 942836  
Sacramento, California 942836  
Phone: (916) 902-7006  
Email: eric.martinez@water.ca.gov

Humboldt County

Denise Monday  
Senior Environmental Analyst  
1106 2<sup>nd</sup> Street  
Eureka, California 95501  
Phone: (707) 267-9540  
Email: DMonday@co.humboldt.ca.us

Either party may change its Project Representative or Project Manager upon written notice to the other party.



22) STANDARD PROVISIONS. This Grant Agreement is complete and is the final Agreement between the parties. The following Exhibits are attached and made a part of this Grant Agreement by this reference:

Exhibit A – Work Plan

Exhibit B – Budget

Exhibit C – Schedule

Exhibit D – Standard Conditions

Exhibit E – Authorizing Resolution

Exhibit F – Report Formats and Requirements

Exhibit G – Requirements for Data Submittal

Exhibit H – State Audit Document Requirements for the Grantee

Exhibit I – Local Project Sponsors and Project Locations

Exhibit J – Appraisal Specifications

Exhibit K – Information Needed for Escrow Processing and Closure

Exhibit L – Project Monitoring Plan Guidance

IN WITNESS WHEREOF, the parties hereto have executed this Grant Agreement.

STATE OF CALIFORNIA  
DEPARTMENT OF WATER RESOURCES

COUNTY OF HUMBOLDT



Arthur Hinojosa  
Chief, Division of Regional Assistance



Thomas K. Mattson  
Director of Public Works

Date 12/11/2020

Date 12/11/2020

**EXHIBIT A**

**WORK PLAN**

**PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT**

**Grant Administration**

**IMPLEMENTING AGENCY: Humboldt County**

**DESCRIPTION:** The Regional Water Management Group authorized Humboldt County to act as the applicant and the Grantee for the Proposition 1, Round 1 IRWM Implementation Grant. Humboldt County will administer these funds and respond to DWR's reporting and compliance requirements associated with the grant administration. This office will act in a coordination role: disseminating grant compliance information to the project managers responsible for implementing the projects contained in this agreement, obtaining and retaining evidence of compliance (e.g., CEQA/NEPA documents, reports, monitoring compliance documents, labor requirements, etc.), obtaining data for progress reports from individual project managers, assembling and submitting progress reports to the State, coordinating all invoicing and payment of invoices, and provide project status updates to North Coast Regional Partnership (NCRP) leadership at quarterly meetings, attend staff meetings, and provide project information to working groups, as necessary.

**Task 1 Budget Category (a): Project Administration**

Task 1.A: Agreement Administration

Humboldt County will respond to DWR's reporting and compliance requirements associated with the grant administration and will coordinate with the project managers responsible for implementing the projects contained in this agreement.

Task 1.B: Invoicing

Humboldt County will be responsible for compiling invoices for submittal to DWR. This includes collecting invoice documentation from each of the Local Project Sponsors and compiling the information into a DWR Invoice Packet.

**Deliverables:**

- Invoices and associated backup documentation
- Advanced Payment documentation as per Paragraph 9 (if applicable)

Task 1.C: Reporting

Humboldt County will be responsible for compiling progress reports for submittal to DWR. Humboldt County will coordinate with Local Project Sponsor staff to retain consultants as needed to prepare and submit progress reports and final project completion reports for each project, as well as the grant completion report.

Reports will meet generally accepted professional standards for technical reporting and the requirements terms of the agreement with DWR outlined in Exhibit F of this Agreement. For example, progress reports will explain the status of each project and will include the following information: summary of the work completed for the project during the reporting period; activities and milestones achieved; and accomplishments and any problems encountered in the performance of work. Project completion reports will include: documentation of actual work done, changes and amendments to each project, a final schedule showing actual progress versus planned progress, and copies of final documents and reports generated during the project.

**Deliverables:**

- Quarterly Progress Reports

- Grant Completion Report

## **PROJECT 1: Water Storage Project**

### **IMPLEMENTING AGENCY: Blue Lake Rancheria (BLR)**

**PROJECT DESCRIPTION:** Blue Lake Rancheria (BLR) will construct a concrete pad and install approximately 250,000 gallons of water storage capacity steel tank with necessary water and power connections to complete its water distribution system, partially funded through a 2017 Bureau of Reclamation (BOR) WaterSMART grant and an American Recovery and Reinvestment Act of 2009 (ARRA)-funded groundwater well. This water storage project, as a component of the larger Smart Water Grid project, will help insure an uninterrupted and affordable water supply for the BLR. The project will provide approximately 21.5-acre feet per year of storage for the BLR.

### **Task 1.1 Budget Category (a): Project Administration**

#### Task 1.1.A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 1.1.B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports. Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. Prepare Report addressing Humboldt County/DWRs comments. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 1.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 1.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 1.3.A: Feasibility Studies

Project Feasibility Studies and an engineering report will be completed as part of the project development process. Feasibility study will be limited to determination of feasibility of location for water tank in conjunction with other planned construction on BLR Tribal Lands.

#### **Deliverables:**

- Feasibility Study Report
- Engineering Report

#### Task 1.3.B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA and NEPA documents as required
- Legal Challenges Letter

**Task 1.3.C: Permitting**

No permits are anticipated.

**Task 1.3.D: Design**

Complete preliminary design including the following supporting work: geotechnical investigation, topographic survey, and basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary earthwork calculations, preliminary design details for tank foundation, preliminary design details for and 100% (Final) design, plans, and specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 1.3.E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 1.4 Budget Category (d): Construction/Implementation**

**Task 1.4.A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

**Task 1.4.B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Perform project monitoring according to the Project Performance Monitoring Plan to track project performance and project benefits. Project monitoring reporting will be included minimally as part of the Project Completion Report.

**Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 1.4.C: Construction

Construction activities are outlined below.

1.4.C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Site will be cleared and all needed materials will be staged as needed. Design and install a DWR Acknowledgement Sign in an appropriate location

1.4.C(ii): Construction: Construct a concrete pad. Using engineered foundation designs appropriate for selected water tank, construct concrete pad. To be completed by selected contractor after advertised to bid following BLR's procurement procedures.

1.4.C(iii): Installation: Install one 250,000 gallon bolted steel tank. To be completed by selected contractor after advertised to bid following BLR's procurement procedures.

1.4.C(iv): Installation: Water and power connections will be completed in-house by BLR's construction team.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 2: Water Supply Enhancement Project**

### **IMPLEMENTING AGENCY: BriceLand Community Services District (BCSD)**

**PROJECT DESCRIPTION:** Major components of the project include: a 25,000 gal raw water tank plumbed to supply water to both the water treatment system and storage tanks; 2,200 ft of 6-inch diameter water line connecting the fire suppression water storage tanks to the town fire hydrant network; water transmission line improvements including mechanical float, gate, pressure and air relief valves, pressure gauges, flow meters; site fencing for the slow sand filtration and water storage facilities; a low water level and high flow alarm system; a 140 square foot (approximately) structure to house the new alarm system/equipment; and a flow controlled chlorine injector.

The benefits of the project include: Reduced water shortages; increased water supply reliability, and enhanced firefighting capabilities by increased water storage volume to 43,000 gallons.

### **Task 2.1 Budget Category (a): Project Administration**

#### Task 2.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 2.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to Humboldt County for review and inclusion in a progress report to be submitted to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 2.2 Budget Category (b): Land Purchase/Easement**

#### Task 2.2A: Land Purchase

The new raw water storage tank included as part of this proposed project will be sited on a nearby property (requiring the purchase of approximately 0.5 – 1 acres of land).

#### **Deliverables:**

- Documentation supporting property value (if purchased)
- All relevant documentation regarding property ownership transfer or acquisition of easement including final recorded deed, title report, etc.

### **Task 2.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 2.3A: Feasibility Studies – Not applicable

### Task 2.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

### Task 2.3C: Permitting

All appropriate permits shall be secured for the project from the local and regional agencies having jurisdiction over the project, which may include: Humboldt County building and grading permits, and CDFW 1602 permit.

#### **Deliverables:**

- Permits as required

### Task 2.3D: Design

Develop a set of final design plans and specifications.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

### Task 2.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

## **Task 2.4 Budget Category (d): Construction/Implementation**

### Task 2.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

### Task 2.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Throughout the duration of the project, BCSD will perform project monitoring according to the



Project Performance Monitoring Plan to track project performance and project benefits, which will be included as part of the Project Completion Report.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 2.4C: Construction**

Construction activities are outlined below.

2.4C(i): Mobilization and Site preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

2.4C(ii): Install, construct, excavate: The selected contractor will complete the following activities: site exclusion fencing; temporary signage; erosion control; clearing and grubbing; site grading; installation of approximately 2,200 site piping; tank foundation construction; 25,000 gallon tank erection; tank disinfection and installation of cathodic protection; new system controls and valving; water transmission line upgrades; construction of control and operations building; fence the water treatment site; design and install a DWR Acknowledgement Sign in an appropriate location.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 3: California Street Sewer Replacement**

**IMPLEMENTING AGENCY:** City of Ferndale

**PROJECT DESCRIPTION:** The City replaced a small portion of the sewer section on California Street in 2017, this project will replace approximately 1,600 feet of the remaining sewer mains and laterals to the property line of the residences. Add two manholes and bollards to protect manholes on California Street. The project will reduce the inflow and infiltration entering the system by approximately 80,000 to 100,000 gallons per day (GPD).

### **Task 3.1 Budget Category (a): Project Administration**

#### Task 3.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 3.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 3. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 3.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 3.3A: Feasibility Studies – Not applicable

#### Task 3.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 3.3C: Permitting

Obtain County Encroachment Permit.

#### **Deliverables:**

- Permits as required

#### Task 3.3D: Design

Complete site survey and preliminary design including the basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary design details for and 100% (Final) design, plans, and specifications.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 3.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 3.4 Budget Category (d): Construction/Implementation**

#### Task 3.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 3.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 3.4C: Construction

Construction activities are outlined below.

3.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Inspect project components and establish that work is complete. Verify that all project

components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

3.4C(ii): Site preparation will include: Design and install DWR acknowledgement project sign at an appropriate location.

3.4C(iii): Install, construct, excavate: Install approximately 1,600-feet of 12-inch sewer, two manholes, and bollards to protect manholes.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

**IMPLEMENTING AGENCY:** City of Willits

**PROJECT DESCRIPTION:** The project will replace a 30 horsepower (hp) pump in the primary “Elias Replacement” Well with a 70 hp pump to increase water capacity to approximately 1.9 million gallons per day (MGD). The 30 hp pump and controls will be re-installed in the secondary “Long 20” Well. Both pumps will include installation of upgraded power supplies. Approximately 3,650-feet of pipe connecting the wells to the treatment plant will be upgraded. With both wells running through the water treatment plant there will be approximately 192,000 gallon per day increase in water capacity to the distribution system.

### **Task 4.1 Budget Category (a): Project Administration**

#### Task 4.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 4.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager’s comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 4.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 4.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 4.3A: Feasibility Studies – Not applicable

#### Task 4.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 4.3C: Permitting

Obtain necessary permits which may include: Regional Water Board 401 Certification and US Army Corps of Engineers 404 Certification.

**Deliverables:**

- Permits as required

Task 4.3D: Design

Develop final plans for pipeline replacement and connection to Long 20 Well.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 4.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 4.4 Budget Category (d): Construction/Implementation**

Task 4.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 4.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

Task 4.4C: Construction

Construction activities are outlined below.

4.4C(i): Mobilization, Site preparation, and Demobilization: Initiate project site preparation and mobilize project: perform preparatory work and operations including that necessary for the movement of personnel,

equipment, supplies, and videotaping, specific shop drawing submittals, and incidentals to the project site. Establish any temporary facilities and the submission of the final construction schedule. Order project equipment and supplies assure project permits are in place and conduct pre-project site photo-monitoring. Design and install DWR acknowledgement sign at an appropriate location.

4.4C(ii): Pilot Testing: Conduct pilot tests to determine the current groundwater treatment plant's capacity to remove arsenic from the Long 20 well.

4.4C(iii): Install, construct, excavate: The 30-hp pump and controls from the Elias Replacement Well will be moved to the Long 20 Well. A 70-hp pump would then be installed at the Elias Replacement Well. Both pumps will include upgraded power supplies. The pipeline replacement consists of excavation of an estimated 3,650-foot trench for the new pipeline, installation of an estimated 8-inch C900 PVC pipe from the junction with the existing 8-inch pipeline at the North End of the pond to the Elias Replacement well, with inclusion of a "T" junction for a pipeline to Long 20 Well, and construction of valve stations at the each end and the "T" junction, followed by backfill and compaction of the populated trench.

**Deliverables:**

- Pilot Testing Technical Memorandum
- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 5: Covelo Community Services District, Collection System and Wastewater Treatment Plant Improvements**

**IMPLEMENTING AGENCY:** Covelo Community Services District (CCSD)

**PROJECT DESCRIPTION:** The Covelo CSD Collection System and Wastewater Treatment Plant (WWTP) Improvements project aims to reduce approximately 0.144 million gallons per day (MGD) of wet weather Inflow & Infiltration by upgrading the existing wastewater collection system. The project includes replacement of approximately 727 Linear Feet of sewer mains, approximately 16 laterals and 2 manholes. The project also includes a new enclosure for ozone equipment. On top of the new enclosure the project will include solar panels that will be designed to provide all the power the WWTP requires on an average day.

### **Task 5.1 Budget Category (a): Project Administration**

#### Task 5.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 5.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 5.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 5.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 5.3A: Feasibility Studies – Not applicable

#### Task 5.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 5.3C: Permitting



Tasks may include: Preparation of Building and Electrical Permits, which will need to be acquired from Mendocino County for the ozone canopy and addition of solar. Prepare Caltrans Encroachment Permit.

**Deliverables:**

- Permits as required

**Task 5.3D: Design**

Engineer to prepare 100% bid ready Plans and Specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 5.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 5.4 Budget Category (d): Construction/Implementation**

**Task 5.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 5.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 5.4C: Construction**

Construction activities are outlined below.

5.4C(i): Equipment mobilization; site preparation, including: clearing, grubbing, minor site grading, and erosion control. Temporary signage

5.4C(ii): Install, construct, excavate: Replacement of collection system sections and components in various priority areas; new canopy and solar over existing ozone equipment. Replace approximately 727 Linear Feet sewer main lines, approximately 16 laterals, replace 2 manholes and seal around the pipe penetrations on approximately 2 other existing manholes.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

### **IMPLEMENTING AGENCY: Del Norte County Service Area (CSA) No. 1**

**PROJECT DESCRIPTION:** Install onsite emergency power (generator) on approximately eleven lift stations; each generator will be structurally reinforced, protected to withstand weather, vandalism, and supplied with a fuel tank and an automated switch to respond to power failures. Each of the generators will be connected to the new SCADA (remote monitoring) system, reducing the potential for sanitary sewer overflows during power outages and providing water service without disruption for approximately 3,500 single-family connections.

#### **Task 6.1 Budget Category (a): Project Administration**

##### Task 6.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

##### **Deliverables:**

- Invoices and associated backup documentation

##### Task 6.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

##### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

#### **Task 6.2 Budget Category (b): Land Purchase/Easement**

Not applicable

#### **Task 6.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

##### Task 6.3A: Feasibility Studies – Not applicable

##### Task 6.3B: CEQA Documentation

A Notice of Exemption was filed on February 19, 2019. Prepare letter stating no legal challenges (or addressing legal challenges).

##### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

##### Task 6.3C: Permitting

A Building Permit is required from the Building Inspection Division of the County of Del Norte. The Building Permit will include the generator building, electrical connections and transfer switch, propane tank and connections, and mounting each generator at each station.

**Deliverables:**

- Permits as required

**Task 6.3D: Design**

Develop plans and specifications for the structures to protect generators, generators, and fuel sources at each lift station and/or portable generator storage building.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 6.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 6.4 Budget Category (d): Construction/Implementation**

**Task 6.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. Bid project to obtain construction contractor(s). CSA may desire to split the project into three construction contracts: (1) generator structures, (2) fuel source, (3) generators and transfer switches.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 6.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 6.4C: Construction**

Construction activities are outlined below.

6.4C(i): Mobilization, Site preparation and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Project will be at approximately 11 lift station locations; the same DWR acknowledgement sign may be moved amongst all locations.

6.4C(ii): Install, construct: Construct up to 11 generator structures (one at each lift station) and rehabilitate portable generator storage building on APN 120-280-011, as funding allows. Install up to 11 generators and 11 transfer switches (one at each lift station) and/or purchase portable generators, as funding allows.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

### **IMPLEMENTING AGENCY: Eel River Watershed Improvement Group (ERWIG)**

**PROJECT DESCRIPTION:** This project will increase salmonid habitat in Kenny Creek through the instream placement of approximately 28 Large Woody Debris (LWD) structures along an approximately 1.1 miles long stream reach. The project will be accomplished by purchasing logs and uprooting trees with rootwads from areas in which the stream canopy will not be affected. Logs and logs with rootwads will be placed by an excavator. After log placement, the California Conservation Corps (CCC) will anchor the logs to live trees and to each other. Upon construction completion, all exposed soil will be mulched and 400 conifer seedlings will be planted. All work will be supervised by the ERWIG project manager. This project will result in a dramatic increase in suitable habitat for salmonids. Habitat improvements include velocity refugia, increased shelter, deeper pools, and increased spawning habitat. This project will also result in a long-term increase in carbon sequestration with the planting of 400 conifers. This project's primary benefit is approximately 3.28 acres of habitat restoration.

### **Task 7.1 Budget Category (a): Project Administration**

#### Task 7.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 7.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 7.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 7.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 7.3A: Feasibility Studies – Not applicable

#### Task 7.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required

- Legal Challenges Letter

#### Task 7.3C: Permitting

Submit an LSAA application to CDFW, pay required fee. Work with the Regional Water Quality Control Board and Army Corp of Engineers to obtain 401 certification and 404 permits.

#### **Deliverables:**

- Permits as required

#### Task 7.3D: Design

Create final design plans based on existing conditions in year of construction.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 7.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 7.4 Budget Category (d): Construction/Implementation**

#### Task 7.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents as required

#### Task 7.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

#### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 7.4C: Construction

Construction activities are outlined below.

7.4C(i): Prepare Site and Mobilize Project: Initiate project site preparation; assure project permits are in place; remove fish from excavator crossing; conduct pre-project site photo-monitoring. Design, purchase and install DWR acknowledgement sign at project site.

7.4C(ii): Tool & Material Purchasing: Purchase materials for project, including, but not limited to: anchoring tools, anchoring hardware, logs and field supplies. Landowner will donate approximately 70 logs to the project. ERWIG will donate rebar, nuts and plates.

7.4C(iii): Install, construct, excavate: Site construction of 28 LWD structures will begin with wood placement by excavator. When appropriate, a tree faller will selectively cut down trees from the riparian area to fall into the creek. Move LWD into position using a grip hoist come along. Use one-inch threaded rebar to anchor logs to mature riparian trees, and each other. Conduct photo monitoring of construction.

7.4C(iv): Improve: Purchase and plant 400 conifers; mulch exposed soil.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 8: Fieldbrook Glendale Community Services District Water Tank Seismic Retrofit Project**

**IMPLEMENTING AGENCY:** Fieldbrook Glendale Community Services District (FGCSD)

**PROJECT DESCRIPTION:** The Project will replace an existing redwood tank with a new 400,000 gallon bolted steel water tank. The new tank would be constructed to modern seismic standards, including ASCE 7 code for a critical facility. This Project will eliminate the risk of the tank and foundation failing and the associated damage and loss of water, wastewater, and fire service. The project will provide 400,000 gallons of increased water supply reliability.

### **Task 8.1 Budget Category (a): Project Administration**

#### Task 8.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 8.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 8. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 8.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 8.3A: Feasibility Studies – Not applicable

#### Task 8.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 8.3C: Permitting

The only permit anticipated for this project is a grading permit. Under this task, the District will develop the application package and submit to the County.

**Deliverables:**

- Permit(s) as required

**Task 8.3D: Design**

Complete geotechnical investigations, and surveying. Complete final engineering design.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 8.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 8.4 Budget Category (d): Construction/Implementation**

**Task 8.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 8.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 8.4C: Construction**

Construction activities are outlined below.

8.4C(i): Mobilization and Demobilization: Equipment mobilization, clearing, grubbing, minor site grading, erosion control. Install temporary signage and develop and enforce a traffic control plan.

8.4C(ii): Install, construct: Installation of site piping, tank foundation construction, 400,000 gallon tank erection, tank disinfection and installation of cathodic protection and telemetry. Water tank shop drawing approval, manufacture, and delivery.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

**IMPLEMENTING AGENCY:** Gold Ridge Resource Conservation District (GRRCD)

**PROJECT DESCRIPTION:** Through a partnership this project will develop and implement a pilot rebate and training program to promote household-level water storage through rainwater catchment. Partners will assist rebate applicants with onsite project scoping, system design, implementation oversight, and system verification and monitoring, with barrel rebates provided on a tiered, per-gallon basis designed to incentivize both large and small systems, anticipated to facilitate construction of approximately 30-60 small (<2,500-gallon) and 10-20 large (>2,500 gallon) systems during this pilot phase. Additional construction of rainwater catchment systems will be completed through cost share sources. Actual breakdown of rebates between small and large systems will depend on program participation. The partners will also create and promote a training module through the Qualified Water-Efficient Landscapers (QWEL) program, in both English and Spanish, anticipated to conduct trainings to certify approximately 30 licensed landscapers in rainwater catchment permitting, design, and installation. A second workshop series will target approximately 40 participants, providing instruction and technical assistance to assist residents and/or small businesses to install smaller barrel systems on their own. This project will increase water supply reliability by approximately 100,000 gallons per year and increase instream flow for environmental purposes.

### **Task 9.1 Budget Category (a): Project Administration**

#### Task 9.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 9.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 9. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 9.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 9.3A: Project Outreach

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.

#### Task 9.3B: QWEL Rainwater Training Module Development

Develop and produce a bi-lingual training module to certify licensed landscapers through the Qualified Water Efficient Landscaping Program on the design and installation of rainwater catchment systems.

**Deliverables:**

- Copy of module

Task 9.3C: CEQA Documentation

Submitted a Notice of Exemption to the State Clearinghouse and County of Sonoma Clerk on July 30, 2020. Submitted a letter stating no legal challenges (or addressing legal challenges) on September 9, 2020.

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 9.3D: Permitting

- No permits required.

Task 9.3E: Design

Provide technical assistance and develop designs for at least 10-20 large-scale (>2,500 gallon) rainwater catchment systems for residences, schools, and small businesses, while providing technical assistance for at least 30-60 small-scale (<2,500 gallon) systems landowners can implement themselves.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 9.3F: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 9.4 Budget Category (d): Construction/Implementation**

Task 9.4A: Construction Administration

Access for project implementation will be granted by rebate program applicants, who will sign an agreement specifying terms of participation. This task includes answering requests for information, documenting of pre-construction conditions, and notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- System Plans (Typical)

Task 9.4B: Construction/Implementation

Construction/Implementation activities are outlined below.

9.4B(i): Rainwater Catchment System Construction Assistance: Provide technical assistance, construction oversight, post-construction verification, and rebates for approximately 10-20 large-scale (>2,500 gallon) rainwater catchment systems for residences, schools, and small businesses, while and approximately 30-

60 small-scale (<2,500 gallon) systems landowners can implement themselves. Construction of rainwater catchment tanks will be implemented through cost share sources.

9.4B(ii): QWEL Rainwater Training Workshops: Conduct workshop(s) for approximately 30 licensed landscapers to receive QWEL certification in rainwater catchment design and construction

9.4B(iii): Small-Scale Residential Rainwater Systems Workshops: Conduct workshop(s) for approximately 40 people providing instruction on the design and installation of small-scale (<2,500-gallon) systems that landowners can install themselves.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2
- Summaries and map of systems constructed
- Workshop attendance sheets and materials

## **PROJECT 10: Ranney Collector 2 Rehabilitation Project**

### **IMPLEMENTING AGENCY: Humboldt Bay Municipal Water District (HBMWD)**

**PROJECT DESCRIPTION:** HBMWD is working on a phased rehabilitation of 4 Ranney Collectors installed along the banks of the Mad River and replacement of all the laterals in all of the collector wells. HBMWD has successfully completed rehabilitation on Collectors 1 and 3. This project includes the rehabilitation of Collector 2. Three or four new stainless-steel laterals will be projected from the existing caisson. Cores will be cut through the sides of the existing caisson so the new laterals can be projected out horizontally into the surrounding aquifer. The project benefits include: increased water supply reliability for 36,000 households; 10% increased groundwater recharge; fish habitat improvement with lower water temperatures along 75 miles of the Mad River; avoided water quality treatment costs (\$5 million); carbon emissions reductions of 37.4 tons/year.

### **Task 10.1 Budget Category (a): Project Administration**

#### Task 10.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 10.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 10.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 10.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 10.3A: Feasibility Studies

Project Feasibility Studies were completed as part of the project development process. Includes modeling, lateral location recommendations and development water disposal plan.

#### **Deliverables:**

- Feasibility Study Report

#### Task 10.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 10.3C: Permitting

Obtain Streambed alteration agreement or consultation with CDFW regarding applicability. Obtain a Low Threat Discharge Permit or NPDES Permit from Regional Board or consultation regarding applicability.

**Deliverables:**

- Permits as required

Task 10.3D: Design

Install geophones or review previous investigations to map bedrock locations & assess subsurface geology. Complete preliminary design including the following supporting work: geotechnical investigation, topographic survey, and basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary earthwork calculations, preliminary design details for tank foundation, preliminary design details for and 100% (Final) design, plans, and specifications. 100% plans and specifications will be supplied to all interested parties for review and comment.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 10.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 10.4 Budget Category (d): Construction/Implementation**

Task 10.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 10.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing



change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 10.4C: Construction**

Construction activities are outlined below.

10.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Assess flow in existing laterals and total flow drawdown to establish baseline. Design and install DWR acknowledgement sign in visible location.

10.4C(ii): Site preparation will include: Dewatering and control of water.

10.4C(iii): Install, construct, excavate: Purchase and Install (8) Valves on Existing Laterals. Furnish, Install, and Develop 12" Diameter Type 304 Stainless Steel Laterals. Furnish and Install up to 4 12" diameter steel gate valves on new laterals.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 11: Lewiston Community Services District Water Distribution System Replacement Project**

### **IMPLEMENTING AGENCY: Lewiston Community Services District (LCSD)**

**PROJECT DESCRIPTION:** This project will replace its distribution system within the Lewiston Park Subdivision. The project includes installation of approximately 12,450 feet of water main and appurtenances, replacement of approximately 105 service connections, reconnection of approximately 9 fire hydrants, and installation of approximately three new fire hydrants. The project also includes relocation of approximately 17 service connections and completing Well 8 by installing a well building, connecting the well to the distribution system, and installing power and electrical controls at the well location with another funding source.

Upon completion of the Project, LCSD will have increased the reliability of their water supply and distribution system by reducing the approximately 16,000 gallons per day of unaccounted for water loss. The secondary benefits include increase instream flow of approximately 5.84 million gallons per year. Furthermore, a completely sealed distribution system will allow for increased pressure and flows enhancing firefighting capabilities, as well as protecting the health and safety of the public.

### **Task 11.1 Budget Category (a): Project Administration**

#### Task 11.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 11.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 11.2 Budget Category (b): Land Purchase/Easement**

Not applicable.

### **Task 11.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 11.3A: Feasibility Studies – Not applicable

#### Task 11.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 11.3C: Permitting

Tasks may include: A standard encroachment permit for improvements within a street right-of-way shall be secured to accommodate all construction activities for the project. Contractor to complete a Storm Water Pollution Prevention Plan to submit to North Coast Regional Water Quality Control Board.

#### **Deliverables:**

- Permits as required

#### Task 11.3D: Design

Develop a set of final design plans and specifications ready to put out to bid. The plans and specifications will conform to all necessary requirements stipulated by the District and regulatory agencies to ensure a high-quality product.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 11.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 11.4 Budget Category (d): Construction/Implementation**

#### Task 11.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 11.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Observe project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified. Conduct project photo monitoring. Prepare field reports.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 11.4C: Construction**

Construction activities are outlined below.

11.4C(i): Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Complete pre-construction staking of the new water main. Design and install DWR Acknowledgement sign as per agreement.

11.4C(ii): Install, construct, excavate: Installation of approximately 12,450 feet of water main. Reconnection of approximately 105 service connections and relocation of approximately 17 service connections. Reconnection of approximately 9 Fire Hydrants and installation of 3 fire hydrants.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

### **IMPLEMENTING AGENCY: Mattole Restoration Council**

**PROJECT DESCRIPTION:** Summer and winter rearing habitat for juvenile salmon and steelhead will be improved within the lower two miles of the Mattole River by creating approximately 1,200 feet of slough/alcove, installing approximately 12,000 feet of willow baffles (includes 7,000 feet using non-DWR funds), and planting approximately 8,000 riparian trees (includes 4,000 trees using non-DWR funds) and approximately 2,000 wetland plants.

The project will have multiple long-term benefits for riparian habitat and water quality, as established riparian vegetation will slow floodplain turnover, store sediment and rack wood, and increase channel heterogeneity. The project will provide fishery improvement of approximately 8,700 smolts per year.

### **Task 12.1 Budget Category (a): Project Administration**

#### Task 12.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 12.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 12. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 12.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 12.3A: Feasibility Studies – Not applicable

#### Task 12.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All necessary CEQA documents as required
- No Legal Challenges Letter

#### Task 12.3C: Permitting

The project will require a SWRCB 401, Army Corps 404 permitting, Coastal Commission Negative Determination, NMFS Section 7 permitting, CDWF 1602 permitting for 2018 Middle Slough and Riparian work and CDWF 1602 permitting to be completed for Middle Slough and Riparian work.

##### **Deliverables:**

- Permits as required

#### Task 12.3D: Design

100% Design Plans for Middle Slough Restoration and Lower Mattole Riparian Enhancement Plan.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 12.3E: Project Planning

Meet with Mattole Technical Advisory Committee (TAC) pre-project; Meet with Humboldt County Public Works to coordinate willow baffle installation with Lighthouse Road flood protection; Pre-Project Drone images and photo points.

##### **Deliverables:**

- Pre-project drone imagery

#### Task 12.3F: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 12.4 Budget Category (d): Construction/Implementation**

#### Task 12.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents as required

#### Task 12.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. Construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Meet with Mattole Technical Advisory Committee (TAC) post-project

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 12.4C: Construction**

Construction activities are outlined below.

12.4C(i): Mobilization and Site preparation: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and mobilize tools, pumps, tool storage, security, and safety equipment to project site. Create a project sign describing work and acknowledging DWR and install at Mattole Estuary Overlook.

12.4C(ii): Middle Slough Restoration: Survey and stake slough channel; Clear vegetation and excavate approximately 1,200 ft. of historic slough channel, install approximately 25 large wood habitat features; de-watering during construction.

12.4C(iii): Riparian & In-Stream Restoration & Bank Stabilization: Remove and truck approximately 100 whole trees from 2 acre encroached grassland to in-stream, riparian and bank stabilization sites; grade and install native seed at removal/grassland restoration sites; install trees and approximately 12,000 ft. of willow baffles; irrigation, native seed and mulching; install approximately 10,000 native plants at Middle Slough and Riparian sites. Complete post-project drone images.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 13: Water System Improvements Project**

### **IMPLEMENTING AGENCY: Newell County Water District (NCWD)**

**PROJECT DESCRIPTION:** The project will include cleaning and blasting the interior of a 100,000 gallon tank, structural evaluation of the tank currently to identify any new defects, welding repair of all structural defects, repainting the tank interior, spot blast and prime spot corrosion on exterior, paint new final coat on tank exterior to match the 2009 water storage tank, and minor electrical repairs. The goal of the project is to double the existing storage capacity of the water system in an effort to comply with California Code of Regulations (CCR) section 64554 where water systems with less than 1,000 service connections shall provide storage capacity equivalent to max day demand (MDD). Newell's MDD is 400,000-gallons per day, therefore the existing storage is only 25% of the required storage. This project will help the NCWD work towards compliance with California Waterworks Standards. The project benefits include increased water supply storage capacity of 100,000 gallons for 310 connections and lead contamination reduction for approximately 725 people.

### **Task 13.1 Budget Category (a): Project Administration**

#### Task 13.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 13.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 13. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 13.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 13.3A: Electrical Control System Evaluation

Conduct electrical testing and evaluation.

#### **Deliverables:**

- Electrical Testing Results and Recommendations

#### Task 13.3B: CEQA Documentation



Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 13.3C: Permitting

Permits are not anticipated to be required.

Task 13.3D: Design

Develop a Project Manual which will provide the overall project concept for use in development of final design, drawings and specifications including: preliminary design details for and 100% (Final) design, drawings, and specifications. The Project Manual includes all documents needed for the project to be suitable for public bidding including front-end legal documents as well as technical specifications and project drawings.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 13.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 13.4 Budget Category (d): Construction/Implementation**

Task 13.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 13.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

Task 13.4C: Construction

Construction activities are outlined below.

13.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Contractor will mobilize equipment to site and prepare site for start of work. Design and install a DWR Acknowledgement Sign in an appropriate location.

13.4C(ii): Install, construct, excavate: Remove existing failed tank coatings, evaluate structural integrity of tank, implement structural repairs, repaint tank interior and exterior. Electrical and/or control system improvements depending upon findings of electrical evaluation.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 14: Pacific Reefs Water District Water Tank Replacement**

### **IMPLEMENTING AGENCY: Pacific Reefs Water District (PRWD)**

**PROJECT DESCRIPTION:** The project will install at minimum, a 35,000 gallon “Glass fused to Steel” water storage tank and retain the two 5,000 gallon plastic water tanks (originally installed as a temporary measure). The new tank will be plumbed into the existing system with the two existing 5,000 gallon plastic tanks, which together, will provide a year-round reliable water supply to PRWD's water distribution system. The project consists of the following components: Remove old redwood water tank and concrete pad (to be done by PRWD), install foundation pad for new tank, install new water tank, and install associated plumbing, electrical and control equipment to tie into PRWD's existing system. The project will provide at least 35,000 gallons of increased water supply reliability.

### **Task 14.1 Budget Category (a): Project Administration**

#### Task 14.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 14.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 14.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 14.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 14.3A: Feasibility Studies – Not applicable

#### Task 14.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 14.3C: Permitting

The project is located within the County jurisdiction of the coastal zone. Under this task, a coastal development permit will be developed for the project including application development, county coordination, and permit fees. This task includes an updated evaluation of biological resources at the site in support of the permit development. The District will complete a Mendocino County building permit application, submit to the County, and respond to questions.

**Deliverables:**

- Permits as required

Task 14.3D: Design

The PRWD is anticipating a turnkey storage tank provider to complete a majority of the tank design as well as installation. PRWD will submit a Basis of Design Package. This would include a site survey, geotechnical evaluation for the tank foundation design, and technical specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 14.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 14.4 Budget Category (d): Construction/Implementation**

Task 14.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 14.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

Task 14.4C: Construction

Construction activities are outlined below.

14.4C(i): Mobilization and Demobilization: Equipment mobilization, clearing, grubbing, minor site grading, erosion control. Temporary signage. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Develop information necessary to support the Project Completion Report.

14.4C(ii): Install, construct, excavate: Installation of site piping, tank foundation construction, tank erection, tank disinfection and installation of cathodic protection and telemetry. Water tank shop drawing approval, manufacture, and delivery.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 15: Sanctuary Forest Drought and Emergency Water Project**

**IMPLEMENTING AGENCY:** Sanctuary Forest Inc.

**PROJECT DESCRIPTION:** The purpose of the Sanctuary Forest Drought and Emergency Water Project is to build resilience against climate change, drought and the threat of wildfire. This project will provide salmonid habitat protection while addressing human water needs, security, and public health in the severely disadvantaged Mattole headwaters community of Whitethorn.

One approximately 350,000 gallon water tank will be installed for emergency water storage along with connection to an existing permitted well and piping to a fire hydrant accessible by water and fire trucks. The Whitehorn Elementary school filtration system will be installed in the existing filtration shed in cooperation with the school and State Water Resources Control Board (SWRCB) Division of Drinking Water. Coordinated water management will be implemented through community wide streamflow alerts and forbearance program notices. The project provides benefits of approximately 350,000 gallons per year of expanded water storage capacity and improved fish habitat and passage resulting from forbearance during low stream flows.

### **Task 15.1 Budget Category (a): Project Administration**

#### Task 15.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 15.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 15.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 15.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 15.3A: Feasibility Studies – Not applicable

#### Task 15.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 15.3C: Permitting

Upon completion of the design phase for the emergency water storage system building, grading and encroachment permit applications will be submitted to the County of Humboldt along with engineered plans and fees.

##### **Deliverables:**

- Permits as required

#### Task 15.3D: Design

Development of final design plans for the emergency storage and school filtration will include engineering and survey subcontractors and staff time to ensure project design plans meet objectives, incorporate partner input and ensure that project meets all necessary requirements.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 15.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 15.4 Budget Category (d): Construction/Implementation**

#### Task 15.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents as required

#### Task 15.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 15.4C: Construction

Construction activities are outlined below.

15.4C(i): Mobilization, Site Preparation, and Demobilization: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Project signage will include acknowledgement of funders and conservation & education signage. Additional signage will be installed to discourage dumping and encourage community protection of the site and water project. DWR funding Acknowledgement signage will also be installed at the Whitethorn School.

15.4C(ii): Emergency Water System: Install one approximately 350,000 gallon water tank along with connection to an existing permitted well and piping to a fire hydrant accessible by water and fire trucks. Implementation will include construction of a 2 ft. minimum depth gravel and sand tank pad. Engineered perimeter foundations with hold-downs will be installed. The steel tank will then be assembled onsite and liners will be installed. Plumbing will include installation of a submersible pump in the existing well along with 1.5 inch diameter pipe to connect the well. Tank will be connected to a fire hydrant with 6 inch diameter pipe. Electricity to power the pump will be provided by electrical power drop from PG&E.

15.4C(iii): Whitethorn School Filtration System: Replace existing drinking water filtration system within an existing shed at the Whitethorn School. An engineer approved filtration unit will be designed, fabricated and installed by a water filtration company. Additionally, up to 2 ozone units will be installed in the raw water storage to prevent bacterial growth.

15.4C(iv): Coordinate community water management through: flow alerts, landowner notices to assign pumping days and forbearance periods, administration of group 1600 agreement with CDFW, technical assistance and water rights reporting and streamflow monitoring and flow tracking needed for community water management. Staff tasks will include all of the above plus data input and maintaining records of all activities.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project**

**IMPLEMENTING AGENCY:** Scott River Watershed Council

**PROJECT DESCRIPTION:** The purpose of the project is to decrease fire risk to humans, the ecosystem, and the City of Etna Water system while improving forest health and reducing Greenhouse Gas (GHG) production; decrease sediment inputs to high value anadromous spawning and rearing streams, supporting ongoing restoration efforts for state and federally listed Southern Oregon Northern California Coho Salmon.

The project includes three components: Kidder Creek Road Restoration, utilizing existing road surveys, 10 high and medium road sites will be treated to reduce sediment production; Ruffey Gap Treatment Area, 65 acres of young, overstocked stands within a 200 foot ridge corridor will be thinned and, remove post-harvest slash and downed material from prior owner logging activities on 100 acres, materials will be slash ground or piled and burned; and Sniktaw Fuel Retreatment, overgrown shaded fuel breaks on 166 acres along Sniktaw Creek will be manually retreated with slash chipped or ground.

The expected project benefits include improved water quality, fire risk reduction to humans and City of Etna water system infrastructure and the ecosystem, climate change mitigation benefits, improved conditions for salmonids, communities and support for Tribal Cultural Values. The project benefits include approximately 23,232 tons per year of sediment reduction and 63 acres of habitat restoration.

### **Task 16.1 Budget Category (a): Project Administration**

#### Task 16.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 16.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 16.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 16.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

Task 16.3A: Feasibility Studies – Not applicable

Task 16.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 16.3C: Permitting

All appropriate permits shall be secured for the project from California Department of Fish and Wildlife (CDFW) and North Coast Regional Water Quality Control Board (NCRWQCB) through CDFW Timber review Group. Acquire: CDFW Lake and Streambed Alteration Agreement (LSAA) if determined to be necessary, North Coast Regional Water Control Board (NCRWQB) 401 and Waste Discharge Permit; Army Corp of Engineers (ACOE) 404.

**Deliverables:**

- Permits as required

Task 16.3D: Design

Landowner has completed fuel load density surveys, road inventory and developed plans and specs for road improvements and addressing water quality issues related to land use and road construction and maintenance. Final Design /Plans will be completed as part of the project development process.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 16.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 16.4 Budget Category (d): Construction/Implementation**

Task 16.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

Task 16.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 16.4C: Construction**

Construction activities are outlined below.

16.4C(i): Mobilization and Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of the construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

16.4C(ii): Kidder Creek Road Restoration: Approximately 10 sites per Klamath National Forest Road Sediment Survey and Inventory (RSSI) will be treated with a range of road treatments per design and engineering for drainage and stream crossing sites to prevent sediment. Road out sloping, road dips, improved drainage ditches and culvert replacement are treatment options.

16.4C(iii): Ruffey Gap Thinning & Forest Treatment: Approximately 100' each side ridge road of hazardous fuels reduction and forest health improvement by thinning, piling and burning. Thinning along a strategic ridge road.

16.4C(iv): Ruffey Gap Fuels Reduction: Remove post-harvest slash and downed material from prior owner logging activities on 100 acres. Pile and burn material and or mechanical mastication.

16.4C(v): Sniktaw Fuel Reduction: Approximately 166 acres of understory vegetation will be removed from previously treated areas by grinding or chipping of slash material.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 17: Water System Emergency Generator Project**

### **IMPLEMENTING AGENCY: Smith River Community Services District**

**PROJECT DESCRIPTION:** The Smith River Community Services District (District) provides water to approximately 1,500 customers. The District's water source is from four 40-foot wells that are set back approximately 100 feet from Rowdy Creek. The well pumps move water to a series of five pump stations and eventually eight water storage tanks within the District. The project will add one permanently mounted up to 125 kW generator at the main control building and well site and up to three permanent or mobile generators at the high priority pump stations where no mounted generators exist currently. These locations were identified to be critical infrastructure. The Project will mitigate for loss of power during severe storms (including high winds), earthquakes, fires, and floods and will enhance staff safety by not requiring employees to work during unsafe storm conditions. The project provides benefits of approximately 128,400 gallons per year of increased water supply reliability and improved fire suppression reliability.

### **Task 17.1 Budget Category (a): Project Administration**

#### Task 17.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 17.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 17.2 Budget Category (b): Land Purchase/Easement**

- Not applicable

### **Task 17.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 17.3A: Feasibility Studies – Not applicable

#### Task 17.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 17.3C: Permitting

Obtain required permits which may include: Coastal Development Permit from the Coastal Commission and Generator Permit from the North Coast Unified Air Quality Management District.

##### **Deliverables:**

- Permits as required

#### Task 17.3D: Design

The Project Design task consists of all work necessary to develop construction implementation documents including the final design plans, technical specifications, and opinion of probable construction cost for up to three water systems emergency generators located outside the Main Control Building Site. Standard assumptions will be used for seismic analysis and the small nature of the infrastructure results in very little to no need for surveying to develop a biddable plan set.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 17.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 17.4 Budget Category (d): Construction/Implementation**

#### Task 17.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 17.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 17.4C: Construction

Construction activities are outlined below.

17.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Submittals for schedule and traffic control will be submitted, reviewed, and approved prior to the start of work. Construction equipment mobilization to the site is anticipated to coincide to when the generators and propane tanks will arrive. Design and install a DWR Acknowledgement Sign in an appropriate location. This task includes the required documentation, reports, notices, drawings, and monitoring to complete the project. The project team would prepare final project closeout documents including photographs, observation logs, submittals and meeting notes. In addition, a Notice of Completion would be prepared for approval by the District and submitted to the County for Recording. The project team would prepare and transmit Record Drawings (As-builts) to the District, incorporating any noted changes, change orders or other changes deemed necessary and provide hard copies. Demobilization, including final site cleanup, punch list completion and removal of equipment from the site.

17.4C(ii): Site preparation will include equipment mobilization, public notification, traffic control planning, clearing, grubbing, minor site grading, and erosion control. Temporary signage for traffic control will also be installed.

17.4C(iii): Install, construct, excavate: This task is for construction of the project by a licensed contractor. The project may include minor grading for generator and tank pads, fuel line and electrical conduit trenching, and electrical system modifications. Construction is expected to take 6 months and the following items may be executed: Secure generators and fuel tanks for installation including shop drawing approval, manufacture, and delivery; concrete pad installation; fuel lines and conduit installation; generator and fuel tank installation, start up and testing.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 18: South Fork Trinity River - Spring Run Chinook Salmon Restoration Project - Phase II**

**IMPLEMENTING AGENCY: Watershed Research and Training Center (WRTC)**

**PROJECT DESCRIPTION:** The project's goal is to increase wild spring-run Chinook populations. Instream whole tree placement is the primary method for achieving this goal. The project would utilize two unique techniques to place whole trees in the South Fork Trinity River (SFTR). The primary method would use a helicopter to place whole trees at strategic locations throughout an approximately 15-mile reach of the upper SFTR. The second method would utilize a road based mobile cable yarding system to tip whole trees that are too large to be carried by helicopter, into the river channel.

Strategic placement of whole trees will help provide the necessary reach-scale thermal resiliency for wild spring-run Chinook to migrate through and hold in the SFTR, as well as promote the habitat complexity required by juvenile spring Chinook for successful rearing and emigration. The project will provide benefits of approximately 15 miles of stream restoration and increase of approximately 249,500 cubic feet in cold water refugia for salmon.

### **Task 18.1 Budget Category (a): Project Administration**

#### Task 18.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 18.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 18.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 18.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

Task 18.3A: Feasibility Studies – Not applicable

#### Task 18.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 18.3C: Permitting

Appropriate permits shall be secured for the project as per final design.

##### **Deliverables:**

- Permits as required

#### Task 18.3D: Design

Complete land/topographic survey work needed for project design. Complete geomorphic and hydrologic investigation to inform project design/plans. Complete biological inventory work needed for project design. Complete forest inventory and mapping needed for harvest design. Develop a set of final design plans and specifications. The plans and specifications will conform to all necessary requirements to ensure a high-quality product.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 18.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 18.4 Budget Category (d): Construction/Implementation**

#### Task 18.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents as required

#### Task 18.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 18.4C: Construction



Construction activities are outlined below.

18.4C(i): Prepare Project Site: Initiate project site preparation; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

18.4C(ii): Tree Harvest: Source trees; tree identification, inventory, mark, and map. Utilize foresters and Licensed Timber Operator to ensure compliance. Initiate construction. Mobilization of equipment for tree harvest. Conduct project construction photo-monitoring.

18.4C(iii): Tree tipping/yarding: Initiate project construction with contractor. Utilize a road based mobile cable yarding system to tip whole trees that are too large to be carried by helicopter, into the river channel. Mobilize yarder units. Keep daily records of construction activities, inspection, and progress; conduct project construction photo-monitoring; construct project components

18.4C(iv): Tree placement: Initiate project construction. Use a helicopter to place whole trees at strategic locations throughout an approximately 15-mile reach of the upper SFTR. Keep daily records of construction activities, inspection, and progress; conduct project construction photo-monitoring; construct project components, Mobilization/Demobilization and Fuel Staging, Heli-Loading of Wood - Flight Time, Technical Coordination /Oversight/Management, Quality Control and Engineering Support, and Supplies and Travel.

18.4C(v): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 19: Sewer Improvements Project**

### **IMPLEMENTING AGENCY: Weaverville Sanitary District**

**PROJECT DESCRIPTION:** The project will involve replacement of existing 6 inch sanitary sewer lines identified by the Weaverville Sanitary District (District) as failing or problematic due to root balls or blockages and ranked by the District in terms of greatest need. Zone 1. Lower Barbara - Pipe lining, pipe bursting, or open trench replacement of approximately 700 feet of existing 6-inch Transite pipe installed in 1957. Zone 2. Timber Ridge Road to Syphon - Pipe bursting or open trench replacement of approximately 800 feet of existing 6 inch Transite pipe installed circa 1970. Depending on the findings from closed circuit television inspection and the ultimate contractor bids received for this project, complete replacement of Zone 2 may not be possible.

The project will include repair or replacement of approximately 1,300-feet of gravity sewer pipe. The project will provide benefits of reduced possibility of approximately 1.5 MGD during peak wet weather conditions of sewage leaking into surface and groundwater resources and improved recharge of groundwater basins from subsurface flow prevented from entering sewer.

### **Task 19.1 Budget Category (a): Project Administration**

#### Task 19.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 19.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 19. 2 Budget Category (b): Land Purchase/Easement**

#### Task 19.2A: Land Purchase

Research/acquire record maps, prepare legal descriptions, obtain preliminary title reports, get property appraisal, and acquire land and/or easements. If it is determined no easements exist, assuming a 10-foot permanent easement to be established along the alignments in Zones 1 and 2, approximately 0.5 acres of easement will need to be acquired.

#### **Deliverables:**

- Documentation supporting property value (if purchased)

- All relevant documentation regarding property ownership transfer or acquisition of easement including final recorded deed, title report, etc.

### **Task 19.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 19.3A: Feasibility Studies – Not applicable

#### Task 19.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

##### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 19.3C: Permitting

Tasks may include: Develop and submit an encroachment permit for all construction activities within Trinity County Right of Way.

##### **Deliverables:**

- Permits as required

#### Task 19.3D: Design

Develop a Project Manual which will provide the overall project concept for use in development of final design, drawings and specifications including: preliminary design details for and 100% (Final) design, drawings, and specifications. The Project Manual includes all documents needed for the project to be suitable for public bidding including front-end legal documents as well as technical specifications and project drawings.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 19.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 19.4 Budget Category (d): Construction/Implementation**

#### Task 19.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 19.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

#### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 19.4C: Construction

Construction activities are outlined below.

19.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Contractor will mobilize equipment to site and prep site for start of work. Design and install a DWR Acknowledgement Sign in an appropriate location

19.4C(ii): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring.

19.4C(iii): Install, construct, excavate: Installation or rehabilitation of approximately 1,300-feet of gravity sewer lines.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

**IMPLEMENTING AGENCY:** Yurok Tribe

**PROJECT DESCRIPTION:** The Yurok Tribe will conduct a number of high priority road and associated stream crossing improvements within the Blue Creek Sanctuary to protect and enhance water quality, increase watershed resiliency to climate change impacts, promote increased community safety (i.e. improve a primary flood & fire evacuation route, improve our ability to manage wildland fires), and help ensure effective Tribal management of vitally important water, wildlife, and forest resources in the Sanctuary. Major components include: drainage improvements, mass wasting prevention, sediment reduction, and erosion control measures along approximately 14 miles of forest roads and replacing/improving approximately 12 water crossings for 100-year flow events.

The project will provide benefits of approximately 70 tons per year of reduced sediment delivery to the watershed and avoided culvert failure.

### **Task 20.1 Budget Category (a): Project Administration**

#### Task 20.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 20.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 20.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 20.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 20.3A: Feasibility Studies – Not applicable

#### Task 20.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 20.3C: Permitting

Task may include: 1600 Lake & Streambed Alteration Permit Application. Yurok Tribe Cultural Resources Permit Application. Yurok Tribe Environmental Quality Permit Application.

#### **Deliverables:**

- Permits as required

#### Task 20.3D: Design

Develop a Final Design which will provide the overall project concept for use in development of final design, plans and specifications including: preliminary design details for and 100% (Final) design, plans, and specifications.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 20.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 20.4 Budget Category (d): Construction/Implementation**

#### Task 20.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. Contractor agreements must follow Yurok tribe's procurement policy, tribal employment rights ordinance, and be consistent with the State of California's requirements. This task includes requesting and obtaining bids and awarding and executing the contract and completing the lease agreements for heavy equipment needed to complete the work.

#### **Deliverables:**

- Bid Documents as required

#### Task 20.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Activities necessary to secure rock crushing equipment, contacting vendors, request equipment availability and pricing, secure the equipment, have the equipment dispatched, and pay for the equipment services.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 20.4C: Construction**

Construction activities are outlined below.

20.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

20.4C(ii): Install, construct, excavate: Replace approximately 12 culverts and upgrade them to the 100 year storm event; rock approximately 14 miles of road that will help reduce storm surface erosion on unrocked roads; demobilization and erosion prevention (post project BMPs).

20.4C(iii): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Make sure all erosion implementation practices have been completed; demobilize equipment; make sure sub-contractor has completed all tasks; weatherize construction site.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

**EXHIBIT B****BUDGET****PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT****AGREEMENT BUDGET SUMMARY**

		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source</b>	<b>Other Cost Share</b>	<b>Total Cost</b>	<b>Percent Cost Share</b>
	Grant Administration	\$763,200	N/A	\$0	<b>\$763,200</b>	N/A

**PROJECTS**

1	Water Storage Project	\$382,085	\$0	\$0	<b>\$382,085</b>	0%
2	Water Supply Enhancement Project	\$1,076,625	\$0	\$0	<b>\$1,076,625</b>	0%
3	California Street Sewer Replacement	\$326,750	\$0	\$0	<b>\$326,750</b>	0%
4	Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use	\$551,156	\$0	\$134,482	<b>\$685,638</b>	0%
5	Collection System and Wastewater Treatment Plant Improvements	\$750,000	\$0	\$30,000	<b>\$780,000</b>	0%
6	Onsite Emergency Power Supply for Sanitary Sewer Lift Stations	\$807,641	\$0	\$0	<b>\$807,641</b>	0%
7	Kenny Creek Instream Habitat Enhancement Project	\$176,077	\$0	\$46,830	<b>\$222,907</b>	0%
8	Water Tank Seismic Retrofit Project	\$314,744	\$0	\$944,226	<b>\$1,258,970</b>	0%
9	Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project	\$420,324	\$420,488	\$0	<b>\$840,812</b>	50%
10	Ranney Collector 2 Rehabilitation Project	\$600,000	\$0	\$3,105,750	<b>\$3,705,750</b>	0%
11	Water Distribution System Replacement Project	\$1,073,273	\$0	\$2,228,127	<b>\$3,301,400</b>	0%
12	Lower Mattole River and Estuary Enhancement Project Phase II	\$656,165	\$0	\$552,800	<b>\$1,208,965</b>	0%
13	Water System Improvements Project	\$461,607	\$0	\$0	<b>\$461,607</b>	0%
14	Water Tank Replacement Project	\$386,274	\$0	\$10,000	<b>\$396,274</b>	0%



*Grant Agreement No. 4600013820 – Amendment 1*

15	Drought and Emergency Water Project	\$558,501	\$0	\$95,210	<b>\$653,711</b>	0%
16	Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project	\$632,370	\$0	\$189,438	<b>\$821,808</b>	0%
17	Water System Emergency Generator Project	\$322,445	\$0	\$0	<b>\$322,445</b>	0%
18	South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II	\$832,495	\$0	\$0	<b>\$832,495</b>	0%
19	Sewer Improvements Project	\$691,000	\$0	\$0	<b>\$691,000</b>	0%
20	Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary	\$937,268	\$0	\$1,538	<b>\$938,806</b>	0%
<b>GRAND TOTAL</b>		<b>\$12,720,000</b>	<b>\$420,488</b>	<b>\$7,338,401</b>	<b>\$20,478,889</b>	<b>2%</b>

**Grant Administration**

Implementing Agency: Humboldt County

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source	Other Cost Share	Total Cost
(a)	Project Administration	\$763,200	N/A	\$0	<b>\$763,200</b>
<b>TOTAL COSTS</b>		<b>\$763,200</b>	<b>N/A</b>	<b>\$0</b>	<b>\$763,200</b>

**PROJECT 1: Water Storage Project**

Implementing Agency: Blue Lake Rancheria

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$8,785	\$0	\$0	<b>\$8,785</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$65,000	\$0	\$0	<b>\$65,000</b>
(d)	Construction / Implementation	\$308,300	\$0	\$0	<b>\$308,300</b>
<b>TOTAL COSTS</b>		<b>\$382,085</b>	<b>\$0</b>	<b>\$0</b>	<b>\$382,085</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 2: Water Supply Enhancement Project**

Implementing Agency: Briceland Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$32,500	\$0	\$0	<b>\$32,500</b>
(b)	Land Purchase / Easement	\$52,000	\$0	\$0	<b>\$52,000</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$164,500	\$0	\$0	<b>\$164,500</b>
(d)	Construction / Implementation	\$827,625	\$0	\$0	<b>\$827,625</b>
<b>TOTAL COSTS</b>		<b>\$1,076,625</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,076,625</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 3: California Street Sewer Replacement**

Implementing Agency: City of Ferndale

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$5,000	\$0	\$0	<b>\$5,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$27,800	\$0	\$0	<b>\$27,800</b>
(d)	Construction / Implementation	\$293,950	\$0	\$0	<b>\$293,950</b>
<b>TOTAL COSTS</b>		<b>\$326,750</b>	<b>\$0</b>	<b>\$0</b>	<b>\$326,750</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

Implementing Agency: City of Willits

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$9,520	\$0	\$0	<b>\$9,520</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$46,120	\$0	\$0	<b>\$46,120</b>
(d)	Construction / Implementation	\$495,516	\$0	\$134,482	<b>\$629,998</b>
<b>TOTAL COSTS</b>		<b>\$551,156</b>	<b>\$0</b>	<b>\$134,482</b>	<b>\$685,638</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of City of Willits Water Enterprise Fund.

**PROJECT 5: Collection System and Wastewater Treatment Plant Improvements**

Implementing Agency: Covelo Community Services District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$28,700	\$0	\$0	<b>\$28,700</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$87,626	\$0	\$0	<b>\$87,626</b>
(d)	Construction / Implementation	\$633,674	\$0	\$30,000	<b>\$663,674</b>
<b>TOTAL COSTS</b>		<b>\$750,000</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$780,000</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: The Community Foundation of Mendocino County has pledged to contribute \$8,000 towards the solar panels at the WWTP and the Covelo Community Services District is able to provide up to \$22,000 towards the project.

**PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

Implementing Agency: Del Norte County Service Area No. 1

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$11,000	\$0	\$0	\$11,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$12,500	\$0	\$0	\$12,500
(d)	Construction / Implementation	\$784,141	\$0	\$0	\$784,141
<b>TOTAL COSTS</b>		<b>\$807,641</b>	<b>\$0</b>	<b>\$0</b>	<b>\$807,641</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

Implementing Agency: Eel River Watershed Improvement Group

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$7,000	\$0	\$0	\$7,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$38,750	\$0	\$0	\$38,750
(d)	Construction / Implementation	\$130,327	\$0	\$46,830	\$177,157
<b>TOTAL COSTS</b>		<b>\$176,077</b>	<b>\$0</b>	<b>\$46,830</b>	<b>\$222,907</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: 70 landowner donated logs for the project as cost share at the rate of \$600 per log for a total of \$42,000. Eel River Watershed Improvement Group (ERWIG) has anchoring materials in stock that will be donated to the project, it has a value of \$4,830.

**PROJECT 8: Water Tank Seismic Retrofit Project**

Implementing Agency: Fieldbrook Glendale Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$12,176	\$0	\$48,704	<b>\$60,880</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$34,421	\$0	\$103,259	<b>\$137,680</b>
(d)	Construction / Implementation	\$268,147	\$0	\$792,263	<b>\$1,060,410</b>
<b>TOTAL COSTS</b>		<b>\$314,744</b>	<b>\$0</b>	<b>\$944,226</b>	<b>\$1,258,970</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: Federal Funds (FEMA).

**PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

Implementing Agency: Gold Ridge Resource Conservation District

Project directly serves a need of a Disadvantaged Community: **No**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$33,885	\$0	\$0	<b>\$33,885</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$166,982	\$162,876	\$0	<b>\$329,858</b>
(d)	Construction / Implementation	\$219,457	\$257,612	\$0	<b>\$477,069</b>
<b>TOTAL COSTS</b>		<b>\$420,324</b>	<b>\$420,488</b>	<b>\$0</b>	<b>\$840,812</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Cost share for the project is provided by the Gold Ridge and Sonoma RCDs through federal funding provided by the National Fish and Wildlife funding, both as grants directly to the RCD and through the Russian River Coho Water Resources Partnership ("Coho Partnership") and by Daily Acts through contracts with the Cities of Cotati, Windsor, Sebastopol, and Santa Rosa;

**PROJECT 10: Ranney Collector 2 Rehabilitation Project**

Implementing Agency: Humboldt Bay Municipal Water District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$0	\$0	\$57,000	\$57,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$41,500	\$0	\$241,500	\$283,000
(d)	Construction / Implementation	\$558,500	\$0	\$2,807,250	\$3,365,750
<b>TOTAL COSTS</b>		<b>\$600,000</b>	<b>\$0</b>	<b>\$3,105,750</b>	<b>\$3,705,750</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of HBMWD General Funds.

**PROJECT 11: Water Distribution System Replacement Project**

Implementing Agency: Lewiston Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$38,000	\$0	\$20,000	\$58,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$7,000	\$0	\$236,000	\$243,000
(d)	Construction / Implementation	\$1,028,273	\$0	\$1,972,127	\$3,000,400
<b>TOTAL COSTS</b>		<b>\$1,073,273</b>	<b>\$0</b>	<b>\$2,228,127</b>	<b>\$3,301,400</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of the State Water Resources Control Board, Drinking Water State Revolving Fund.

**PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

Implementing Agency: Mattole Restoration Council

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$25,800	\$0	\$21,000	<b>\$46,800</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$22,950	\$0	\$61,800	<b>\$84,750</b>
(d)	Construction / Implementation	\$607,415	\$0	\$470,000	<b>\$1,077,415</b>
<b>TOTAL COSTS</b>		<b>\$656,165</b>	<b>\$0</b>	<b>\$552,800</b>	<b>\$1,208,965</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: California Department Fish & Wildlife Fisheries Restoration Grant Program (National Oceanic & Atmospheric Administration Funds), US Fish & Wildlife Service Coastal Program, Pacific Marine Estuary Program, Bureau of Land Management, State Coastal Conservancy.

**PROJECT 13: Water System Improvements Project**

Implementing Agency: Newell County Water District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$15,607	\$0	\$0	<b>\$15,607</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$42,000	\$0	\$0	<b>\$42,000</b>
(d)	Construction / Implementation	\$404,000	\$0	\$0	<b>\$404,000</b>
<b>TOTAL COSTS</b>		<b>\$461,607</b>	<b>\$0</b>	<b>\$0</b>	<b>\$461,607</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.



**PROJECT 14: Water Tank Replacement Project**

Implementing Agency: Pacific Reefs Water District (PRWD)

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$16,880	\$0	\$0	<b>\$16,880</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$64,514	\$0	\$0	<b>\$64,514</b>
(d)	Construction / Implementation	\$304,880	\$0	\$10,000	<b>\$314,880</b>
<b>TOTAL COSTS</b>		<b>\$386,274</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$396,274</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: PRWD will be responsible for the costs of redwood tank and foundation demolition and removal.

**PROJECT 15: Drought and Emergency Water Project**

Implementing Agency: Sanctuary Forest Inc.

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$19,650	\$0	\$0	<b>\$19,650</b>
(b)	Land Purchase / Easement	\$0	\$0	\$41,160	<b>\$41,160</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$29,550	\$0	\$8,000	<b>\$37,550</b>
(d)	Construction / Implementation	\$509,301	\$0	\$46,050	<b>\$555,351</b>
<b>TOTAL COSTS</b>		<b>\$558,501</b>	<b>\$0</b>	<b>\$95,210</b>	<b>\$653,711</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: Sanctuary Forest funds, Southern Humboldt School District, community members and volunteers.

**PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project****PROJECT 17: Water System Emergency Generator Project**

Implementing Agency: Smith River Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$16,200	\$0	\$0	<b>\$16,200</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$29,950	\$0	\$0	<b>\$29,950</b>
(d)	Construction / Implementation	\$276,295	\$0	\$0	<b>\$276,295</b>
<b>TOTAL COSTS</b>		<b>\$322,445</b>	<b>\$0</b>	<b>\$0</b>	<b>\$322,445</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a DAC/EDA cost share waiver.

**PROJECT 18: South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II**

Implementing Agency: Watershed Research and Training Center

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$33,195	\$0	\$0	<b>\$33,195</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$93,008	\$0	\$0	<b>\$93,008</b>
(d)	Construction / Implementation	\$706,292	\$0	\$0	<b>\$706,292</b>
<b>TOTAL COSTS</b>		<b>\$832,495</b>	<b>\$0</b>	<b>\$0</b>	<b>\$832,495</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

**PROJECT 19: Sewer Improvements Project**

Implementing Agency: Weaverville Sanitary District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$27,000	\$0	\$0	\$27,000
(b)	Land Purchase / Easement	\$30,000	\$0	\$0	\$30,000
(c)	Planning / Design / Engineering / Environmental Documentation	\$118,000	\$0	\$0	\$118,000
(d)	Construction / Implementation	\$516,000	\$0	\$0	\$516,000
<b>TOTAL COSTS</b>		<b>\$691,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$691,000</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

Implementing Agency: Yurok Tribe

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$10,940	\$0	\$0	\$10,940
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$47,401	\$0	\$1,538	\$48,939
(d)	Construction / Implementation	\$878,927	\$0	\$0	\$878,927
<b>TOTAL COSTS</b>		<b>\$937,268</b>	<b>\$0</b>	<b>\$1,538</b>	<b>\$938,806</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: Yurok Cultural and Environmental Departments.

**EXHIBIT C**  
**SCHEDULE**

**PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT**

**Grant Administration**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	1/1/2020	6/30/2025

**PROJECT 1: Water Storage Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	6/1/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	9/1/2020
d	Construction / Implementation	9/1/2020	3/1/2022

**PROJECT 2: Water Supply Enhancement Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	7/1/2020	3/1/2022
b	Land Purchase / Easement	9/1/2020	4/1/2021
c	Planning / Design / Engineering / Environmental Documentation	7/1/2020	4/1/2021
d	Construction / Implementation	3/1/2021	12/1/2021

**PROJECT 3: California Street Sewer Replacement**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	3/1/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	12/1/2020
d	Construction / Implementation	11/1/2020	12/1/2021

**PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	3/1/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	1/8/2019	5/31/2020
d	Construction / Implementation	5/1/2020	12/31/2021

**PROJECT 5: Collection System and Wastewater Treatment Plant Improvements**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	7/1/2020	1/31/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	8/3/2020	2/26/2021
d	Construction / Implementation	3/30/2021	10/29/2021

**PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	6/30/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	12/31/2020
d	Construction / Implementation	1/1/2021	3/31/2023

**PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	12/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	8/1/2021
d	Construction / Implementation	12/1/2021	7/1/2023

**PROJECT 8: Water Tank Seismic Retrofit Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	1/1/2020	1/31/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	1/1/2020	12/31/2020
d	Construction / Implementation	1/1/2021	10/31/2021

**PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	3/1/2020	1/31/2025
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	7/1/2020	5/31/2024
d	Construction / Implementation	12/1/2020	10/31/2024

**PROJECT 10: Ranney Collector 2 Rehabilitation Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	5/1/2020	3/1/2024
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	8/1/2020	3/31/2021
d	Construction / Implementation	3/31/2021	12/31/2023

**PROJECT 11: Water Distribution System Replacement Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	4/1/2020	1/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	9/1/2018	4/1/2022
d	Construction / Implementation	1/1/2021	10/1/2022

**PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	6/1/2018	12/31/2021
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	6/1/2017	12/31/2021
d	Construction / Implementation	6/1/2020	12/31/2021

**PROJECT 13: Water System Improvements Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	3/30/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	6/1/2020
d	Construction / Implementation	6/1/2020	12/31/2021

**PROJECT 14: Water Tank Replacement Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	4/1/2021
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	4/1/2020	7/1/2020
d	Construction / Implementation	7/1/2020	11/30/2020



**PROJECT 15: Drought and Emergency Water Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	3/1/2020	4/30/2024
b	Land Purchase / Easement	1/1/2015	12/31/2015
c	Planning / Design / Engineering / Environmental Documentation	1/1/2017	7/1/2021
d	Construction / Implementation	5/1/2020	1/1/2024

**PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	3/1/2020	12/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	6/1/2021
d	Construction / Implementation	6/1/2021	10/1/2023

**PROJECT 17: Water System Emergency Generator Project**

BUDGET CATEGORY		Start Date	End Date
a	Project Administration	7/1/2020	10/1/2022
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	7/1/2020	5/1/2021
d	Construction / Implementation	1/1/2021	7/1/2022

**PROJECT 18: South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	6/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	3/31/2023
d	Construction / Implementation	6/1/2020	3/31/2023

**PROJECT 19: Sewer Improvements Project**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	7/1/2020	3/31/2022
b	Land Purchase / Easement	8/1/2020	12/31/2020
c	Planning / Design / Engineering / Environmental Documentation	8/1/2020	7/1/2021
d	Construction / Implementation	3/1/2021	12/31/2021

**PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

<b>BUDGET CATEGORY</b>		<b>Start Date</b>	<b>End Date</b>
a	Project Administration	3/1/2020	3/31/2023
b	Land Purchase / Easement	NA	NA
c	Planning / Design / Engineering / Environmental Documentation	3/1/2020	6/15/2021
d	Construction / Implementation	1/1/2021	12/31/2021

**EXHIBIT D**

**STANDARD CONDITIONS**

- D.1. ACCOUNTING AND DEPOSIT OF FUNDING DISBURSEMENT:
- A. Separate Accounting of Funding Disbursements: Grantee shall account for the money disbursed pursuant to this Grant agreement separately from all other Grantee funds. Grantee shall maintain audit and accounting procedures that are in accordance with generally accepted accounting principles and practices, consistently applied. Grantee shall keep complete and accurate records of all receipts and disbursements on expenditures of such funds. Grantee shall require its contractors or subcontractors to maintain books, records, and other documents pertinent to their work in accordance with generally accepted accounting principles and practices. Records are subject to inspection by State at any and all reasonable times.
  - B. Disposition of Money Disbursed: All money disbursed pursuant to this Grant agreement shall be deposited in a non-interest bearing account, administered, and accounted for pursuant to the provisions of applicable law.
  - C. Remittance of Unexpended Funds: Grantee shall remit to State any unexpended funds that were disbursed to Grantee under this Grant agreement and were not used to pay Eligible Project Costs within a period of sixty (60) calendar days from the final disbursement from State to Grantee of funds or, within thirty (30) calendar days of the expiration of the Grant agreement, whichever comes first.
- D.2. ACKNOWLEDGEMENT OF CREDIT AND SIGNAGE: Grantee shall include appropriate acknowledgement of credit to the State for its support when promoting the Project or using any data and/or information developed under this Grant agreement. Signage shall be posted in a prominent location at Project site(s) (if applicable) or at the Grantee's headquarters and shall include the Department of Water Resources color logo and the following disclosure statement: "Funding for this project has been provided in full or in part from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 and through an agreement with the State Department of Water Resources." The Grantee shall also include in each of its contracts for work under this Agreement a provision that incorporates the requirements stated within this Paragraph.
- D.3. AMENDMENT: This Grant agreement may be amended at any time by mutual agreement of the Parties, except insofar as any proposed amendments are in any way contrary to applicable law. Requests by the Grantee for amendments must be in writing stating the amendment request and the reason for the request. Requests solely for a time extension must be submitted at least 90 days prior to the work completion date set forth in Paragraph 2. Any other request for an amendment must be submitted at least 180 days prior to the work completion date set forth in Paragraph 2. State shall have no obligation to agree to an amendment.
- D.4. AMERICANS WITH DISABILITIES ACT: By signing this Grant agreement, Grantee assures State that it complies with the Americans with Disabilities Act (ADA) of 1990, (42 U.S.C. § 12101 et seq.), which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA.
- D.5. AUDITS: State reserves the right to conduct an audit at any time between the execution of this Grant agreement and the completion of the Project, with the costs of such audit borne by State. After completion of the Project, State may require Grantee to conduct a final audit to State's specifications, at Grantee's expense, such audit to be conducted by and a report prepared by an independent Certified Public Accountant. Failure or refusal by Grantee to comply with this provision shall be considered a breach of this Grant agreement, and State may elect to pursue any remedies provided in Paragraph 12 or take any other action it deems necessary to protect its interests. The Grantee agrees it shall return any audit disallowances to the State.
- Pursuant to Government Code section 8546.7, the Grantee shall be subject to the examination and audit by the State for a period of three (3) years after final payment under this Grant agreement with respect of all matters connected with this Grant agreement, including but not limited to, the cost of

administering this Grant agreement. All records of Grantee or its contractor or subcontractors shall be preserved for this purpose for at least three (3) years after receipt of the final disbursement under this Agreement. If an audit reveals any impropriety, the Bureau of State Audits or the State Controller's Office may conduct a full audit of any or all of the Grantee's activities. Code, § 79708, subd. (b)

- D.6. BUDGET CONTINGENCY: If the Budget Act of the current year covered under this Grant agreement does not appropriate sufficient funds for this program, this Grant agreement shall be of no force and effect. This provision shall be construed as a condition precedent to the obligation of State to make any payments under this Grant agreement. In this event, State shall have no liability to pay any funds whatsoever to Grantee or to furnish any other considerations under this Grant agreement and Grantee shall not be obligated to perform any provisions of this Grant agreement. Nothing in this Grant agreement shall be construed to provide Grantee with a right of priority for payment over any other Grantee. If funding for any fiscal year after the current year covered by this Grant agreement is reduced or deleted by the Budget Act, by Executive Order, or by order of the Department of Finance, the State shall have the option to either cancel this Grant agreement with no liability occurring to State, or offer a Grant agreement amendment to Grantee to reflect the reduced amount.
- D.7. CALIFORNIA CONSERVATION CORPS: Grantee may use the services of the California Conservation Corps or other community conservation corps as defined in Public Resources Code section 14507.5.
- D.8. CEQA: Activities funded under this Grant agreement, regardless of funding source, must be in compliance with the California Environmental Quality Act (CEQA). (Pub. Resources Code, § 21000 et seq.) Any work that is subject to CEQA and funded under this Agreement shall not proceed until documents that satisfy the CEQA process are received by the State's Project Manager and the State has completed its CEQA compliance. Work funded under this Agreement that is subject to a CEQA document shall not proceed until and unless approved by the Department of Water Resources. Such approval is fully discretionary and shall constitute a condition precedent to any work for which it is required. If CEQA compliance by the Grantee is not complete at the time the State signs this Agreement, once State has considered the environmental documents, it may decide to require changes, alterations, or other mitigation to the Project; or to not fund the Project. Should the State decide to not fund the Project, this Agreement shall be terminated in accordance with Paragraph 12, "Default Provisions."
- D.9. CHILD SUPPORT COMPLIANCE ACT: The Grantee acknowledges in accordance with Public Contract Code section 7110, that:
- A. The Grantee recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and compliance with earnings assignment orders, as provided in Family Code section 5200 et seq.; and
  - B. The Grantee, to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.
- D.10. CLAIMS DISPUTE: Any claim that the Grantee may have regarding performance of this Agreement including, but not limited to, claims for additional compensation or extension of time, shall be submitted to the DWR Project Representative, within thirty (30) days of the Grantee's knowledge of the claim. State and Grantee shall then attempt to negotiate a resolution of such claim and process an amendment to this Agreement to implement the terms of any such resolution.
- D.11. COMPETITIVE BIDDING AND PROCUREMENTS: Grantee's contracts with other entities for the acquisition of goods and services and construction of public works with funds provided by State under this Grant agreement must be in writing and shall comply with all applicable laws and regulations regarding the securing of competitive bids and undertaking competitive negotiations. If the Grantee does not have a written policy to award contracts through a competitive bidding or sole source process, the Department of General Services' *State Contracting Manual* rules must be followed and

are available at: <https://www.dgs.ca.gov/OLS/Resources/Page-Content/Office-of-Legal-Services-Resources-List-Folder/State-Contracting>.

- D.12. COMPUTER SOFTWARE: Grantee certifies that it has appropriate systems and controls in place to ensure that state funds will not be used in the performance of this Grant agreement for the acquisition, operation, or maintenance of computer software in violation of copyright laws.
- D.13. CONFLICT OF INTEREST: All participants are subject to State and Federal conflict of interest laws. Failure to comply with these laws, including business and financial disclosure provisions, will result in the application being rejected and any subsequent contract being declared void. Other legal action may also be taken. Applicable statutes include, but are not limited to, Government Code section 1090 and Public Contract Code sections 10410 and 10411, for State conflict of interest requirements.
- A. Current State Employees: No State officer or employee shall engage in any employment, activity, or enterprise from which the officer or employee receives compensation or has a financial interest and which is sponsored or funded by any State agency, unless the employment, activity, or enterprise is required as a condition of regular State employment. No State officer or employee shall contract on his or her own behalf as an independent contractor with any State agency to provide goods or services.
  - B. Former State Employees: For the two-year period from the date he or she left State employment, no former State officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements, or any part of the decision-making process relevant to the contract while employed in any capacity by any State agency. For the twelve-month period from the date he or she left State employment, no former State officer or employee may enter into a contract with any State agency if he or she was employed by that State agency in a policy-making position in the same general subject area as the proposed contract within the twelve-month period prior to his or her leaving State service.
  - C. Employees of the Grantee: Employees of the Grantee shall comply with all applicable provisions of law pertaining to conflicts of interest, including but not limited to any applicable conflict of interest provisions of the California Political Reform Act. (Gov. Code, § 87100 et seq.)
  - D. Employees and Consultants to the Grantee: Individuals working on behalf of a Grantee may be required by the Department to file a Statement of Economic Interests (Fair Political Practices Commission Form 700) if it is determined that an individual is a consultant for Political Reform Act purposes.
- D.14. DELIVERY OF INFORMATION, REPORTS, AND DATA: Grantee agrees to expeditiously provide throughout the term of this Grant agreement, such reports, data, information, and certifications as may be reasonably required by State.
- D.15. DISPOSITION OF EQUIPMENT: Grantee shall provide to State, not less than thirty (30) calendar days prior to submission of the final invoice, an itemized inventory of equipment purchased with funds provided by State. The inventory shall include all items with a current estimated fair market value of more than \$5,000.00 per item. Within sixty (60) calendar days of receipt of such inventory State shall provide Grantee with a list of the items on the inventory that State will take title to. All other items shall become the property of Grantee. State shall arrange for delivery from Grantee of items that it takes title to. Cost of transportation, if any, shall be borne by State.
- D.16. DRUG-FREE WORKPLACE CERTIFICATION: Certification of Compliance: By signing this Grant agreement, Grantee, its contractors or subcontractors hereby certify, under penalty of perjury under the laws of State of California, compliance with the requirements of the Drug-Free Workplace Act of 1990 (Gov. Code, § 8350 et seq.) and have or will provide a drug-free workplace by taking the following actions:
- A. Publish a statement notifying employees, contractors, and subcontractors that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees, contractors, or subcontractors for violations, as required by Government Code section 8355.

- B. Establish a Drug-Free Awareness Program, as required by Government Code section 8355 to inform employees, contractors, or subcontractors about all of the following:
  - i. The dangers of drug abuse in the workplace,
  - ii. Grantee's policy of maintaining a drug-free workplace,
  - iii. Any available counseling, rehabilitation, and employee assistance programs, and
  - iv. Penalties that may be imposed upon employees, contractors, and subcontractors for drug abuse violations.
- C. Provide, as required by Government Code section 8355, that every employee, contractor, and/or subcontractor who works under this Grant agreement:
  - i. Will receive a copy of Grantee's drug-free policy statement, and
  - ii. Will agree to abide by terms of Grantee's condition of employment, contract or subcontract.

D.17. EASEMENTS: Where the Grantee acquires property in fee title or funds improvements to real property already owned in fee by the Grantee using State funds provided through this Grant agreement, an appropriate easement or other title restriction providing for floodplain preservation and agricultural and/or wildlife habitat conservation for the subject property in perpetuity, approved by the State, shall be conveyed to a regulatory or trustee agency or conservation group acceptable to the State. The easement or other title restriction must be in first position ahead of any recorded mortgage or lien on the property unless this requirement is waived by the State.

Where the Grantee acquires an easement under this Agreement, the Grantee agrees to monitor and enforce the terms of the easement, unless the easement is subsequently transferred to another land management or conservation organization or entity with State permission, at which time monitoring and enforcement responsibilities will transfer to the new easement owner.

Failure to provide an easement acceptable to the State may result in termination of this Agreement.

D.18. FINAL INSPECTIONS AND CERTIFICATION OF REGISTERED PROFESSIONAL: Upon completion of the Project, Grantee shall provide for a final inspection and certification by a California Registered Professional (i.e., Professional Civil Engineer, Engineering Geologist), that the Project has been completed in accordance with submitted final plans and specifications and any modifications thereto and in accordance with this Grant agreement.

D.19. GRANTEE'S RESPONSIBILITIES: Grantee and its representatives shall:

- A. Faithfully and expeditiously perform or cause to be performed all project work as described in Exhibit A and in accordance with Exhibits B and C.
- B. Accept and agree to comply with all terms, provisions, conditions, and written commitments of this Grant agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by Grantee in the application, documents, amendments, and communications filed in support of its request for funding.
- C. Comply with all applicable California, federal, and local laws and regulations.
- D. Implement the Project in accordance with applicable provisions of the law.
- E. Fulfill its obligations under the Grant agreement and be responsible for the performance of the Project.
- F. Obtain any and all permits, licenses, and approvals required for performing any work under this Grant agreement, including those necessary to perform design, construction, or operation and maintenance of the Project. Grantee shall provide copies of permits and approvals to State.
- G. Be solely responsible for design, construction, and operation and maintenance of projects within the work plan. Review or approval of plans, specifications, bid documents, or other construction documents by State is solely for the purpose of proper administration of funds by State and shall not be deemed to relieve or restrict responsibilities of Grantee under this Agreement.
- H. Be solely responsible for all work and for persons or entities engaged in work performed pursuant to this Agreement, including, but not limited to, contractors, subcontractors, suppliers, and providers of services. The Grantee shall be responsible for any and all disputes arising out of its contracts for work on the Project, including but not limited to payment disputes with contractors and subcontractors. The State will not mediate disputes between the Grantee and any other entity concerning responsibility for performance of work.

- D.20. GOVERNING LAW: This Grant agreement is governed by and shall be interpreted in accordance with the laws of the State of California.
- D.21. INCOME RESTRICTIONS: The Grantee agrees that any refunds, rebates, credits, or other amounts (including any interest thereon) accruing to or received by the Grantee under this Agreement shall be paid by the Grantee to the State, to the extent that they are properly allocable to costs for which the Grantee has been reimbursed by the State under this Agreement. The Grantee shall also include in each of its contracts for work under this Agreement a provision that incorporates the requirements stated within this Paragraph.
- D.22. INDEMNIFICATION: Grantee shall indemnify and hold and save the State, its officers, agents, and employees, free and harmless from any and all liabilities for any claims and damages (including inverse condemnation) that may arise out of the Project and this Agreement, including, but not limited to any claims or damages arising from planning, design, construction, maintenance and/or operation of levee rehabilitation measures for this Project and any breach of this Agreement. Grantee shall require its contractors or subcontractors to name the State, its officers, agents and employees as additional insureds on their liability insurance for activities undertaken pursuant to this Agreement.
- D.23. INDEPENDENT CAPACITY: Grantee, and the agents and employees of Grantees, in the performance of the Grant agreement, shall act in an independent capacity and not as officers, employees, or agents of the State.
- D.24. INSPECTION OF BOOKS, RECORDS, AND REPORTS: During regular office hours, each of the parties hereto and their duly authorized representatives shall have the right to inspect and to make copies of any books, records, or reports of either party pertaining to this Grant agreement or matters related hereto. Each of the parties hereto shall maintain and shall make available at all times for such inspection accurate records of all its costs, disbursements, and receipts with respect to its activities under this Grant agreement. Failure or refusal by Grantee to comply with this provision shall be considered a breach of this Grant agreement, and State may withhold disbursements to Grantee or take any other action it deems necessary to protect its interests.
- D.25. INSPECTIONS OF PROJECT BY STATE: State shall have the right to inspect the work being performed at any and all reasonable times during the term of the Grant agreement. This right shall extend to any subcontracts, and Grantee shall include provisions ensuring such access in all its contracts or subcontracts entered into pursuant to its Grant agreement with State.
- D.26. LABOR CODE COMPLIANCE: The Grantee agrees to be bound by all the provisions of the Labor Code regarding prevailing wages and shall monitor all contracts subject to reimbursement from this Agreement to assure that the prevailing wage provisions of the Labor Code are being met. Current Department of Industrial Relations (DIR) requirements may be found at: <http://www.dir.ca.gov/lcp.asp>. For more information, please refer to DIR's *Public Works Manual* at: <https://www.dir.ca.gov/dlse/PWManualCombined.pdf>. The Grantee affirms that it is aware of the provisions of section 3700 of the Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance, and the Grantee affirms that it will comply with such provisions before commencing the performance of the work under this Agreement and will make its contractors and subcontractors aware of this provision.
- D.27. MODIFICATION OF OVERALL WORK PLAN: At the request of the Grantee, the State may at its sole discretion approve non-material changes to the portions of Exhibits A, B, and C which concern the budget and schedule without formally amending this Grant agreement. Non-material changes with respect to the budget are changes that only result in reallocation of the budget and will not result in an increase in the amount of the State Grant agreement. Non-material changes with respect to the Project schedule are changes that will not extend the term of this Grant agreement. Requests for non-material changes to the budget and schedule must be submitted by the Grantee to the State in writing and are not effective unless and until specifically approved by the State's Program Manager in writing.

- D.28. **NONDISCRIMINATION:** During the performance of this Grant agreement, Grantee and its contractors or subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex (gender), sexual orientation, race, color, ancestry, religion, creed, national origin (including language use restriction), pregnancy, physical disability (including HIV and AIDS), mental disability, medical condition (cancer/genetic characteristics), age (over 40), marital status, and denial of medial and family care leave or pregnancy disability leave. Grantee and its contractors or subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Grantee and its contractors or subcontractors shall comply with the provisions of the California Fair Employment and Housing Act (Gov. Code, § 12990.) and the applicable regulations promulgated there under (Cal. Code Regs., tit. 2, § 11000 et seq.). The applicable regulations of the Fair Employment and Housing are incorporated into this Agreement by reference. Grantee and its contractors or subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. Grantee shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Grant agreement.
- D.29. **OPINIONS AND DETERMINATIONS:** Where the terms of this Grant agreement provide for action to be based upon, judgment, approval, review, or determination of either party hereto, such terms are not intended to be and shall never be construed as permitting such opinion, judgment, approval, review, or determination to be arbitrary, capricious, or unreasonable.
- D.30. **PERFORMANCE BOND:** Where contractors are used, the Grantee shall not authorize construction to begin until each contractor has furnished a performance bond in favor of the Grantee in the following amounts: faithful performance (100%) of contract value, and labor and materials (100%) of contract value. This requirement shall not apply to any contract for less than \$25,000.00. Any bond issued pursuant to this paragraph must be issued by a California-admitted surety. (Pub. Contract Code, § 7103; Code Civ. Proc., § 995.311.)
- D.31. **PRIORITY HIRING CONSIDERATIONS:** If this Grant agreement includes services in excess of \$200,000, the Grantee shall give priority consideration in filling vacancies in positions funded by the Grant agreement to qualified recipients of aid under Welfare and Institutions Code section 11200 in accordance with Public Contract Code section 10353.
- D.32. **PROHIBITION AGAINST DISPOSAL OF PROJECT WITHOUT STATE PERMISSION:** The Grantee shall not sell, abandon, lease, transfer, exchange, mortgage, hypothecate, or encumber in any manner whatsoever all or any portion of any real or other property necessarily connected or used in conjunction with the Project, or with Grantee's service of water, without prior permission of State. Grantee shall not take any action, including but not limited to actions relating to user fees, charges, and assessments that could adversely affect the ability of Grantee meet its obligations under this Grant agreement, without prior written permission of State. State may require that the proceeds from the disposition of any real or personal property be remitted to State.
- D.33. **PROJECT ACCESS:** The Grantee shall ensure that the State, the Governor of the State, or any authorized representative of the foregoing, will have safe and suitable access to the Project site at all reasonable times during Project construction and thereafter for the term of this Agreement.
- D.34. **REMAINING BALANCE:** In the event the Grantee does not submit invoices requesting all of the funds encumbered under this Grant Agreement, any remaining funds revert to the State. The State will notify the Grantee stating that the Project file is closed and any remaining balance will be disencumbered and unavailable for further use under this Grant Agreement.
- D.35. **REMEDIES NOT EXCLUSIVE:** The use by either party of any remedy specified herein for the enforcement of this Grant agreement is not exclusive and shall not deprive the party using such remedy of, or limit the application of, any other remedy provided by law.



- D.36. RETENTION: The State shall withhold ten percent (10%) of the funds, for each project, until the project is complete, and a Final Project Report is approved and accepted by DWR. If a project has multiple Components (within a project), at the State's discretion and upon a written request by the Grantee, any retained amount attributable to a single component may be released when that component is complete and the Final Component Completion Report is approved. Upon approval of the Final Project Report and/or Final Component Completion Report, any retained amounts due to the Grantee will be promptly disbursed to the Grantee, without interest.
- D.37. RIGHTS IN DATA: Grantee agrees that all data, plans, drawings, specifications, reports, computer programs, operating manuals, notes and other written or graphic work produced in the performance of this Grant agreement shall be made available to the State and shall be in the public domain to the extent to which release of such materials is required under the California Public Records Act. (Gov. Code, § 6250 et seq.) Grantee may disclose, disseminate and use in whole or in part, any final form data and information received, collected and developed under this Grant agreement, subject to appropriate acknowledgement of credit to State for financial support. Grantee shall not utilize the materials for any profit-making venture or sell or grant rights to a third party who intends to do so. The State shall have the right to use any data described in this paragraph for any public purpose.
- D.38. SEVERABILITY: Should any portion of this Grant agreement be determined to be void or unenforceable, such shall be severed from the whole and the Grant agreement shall continue as modified.
- D.39. SUSPENSION OF PAYMENTS: This Grant agreement may be subject to suspension of payments or termination, or both if the State determines that:
- A. Grantee, its contractors, or subcontractors have made a false certification, or
  - B. Grantee, its contractors, or subcontractors violates the certification by failing to carry out the requirements noted in this Grant agreement.
- D.40. SUCCESSORS AND ASSIGNS: This Grant agreement and all of its provisions shall apply to and bind the successors and assigns of the parties. No assignment or transfer of this Grant agreement or any part thereof, rights hereunder, or interest herein by the Grantee shall be valid unless and until it is approved by State and made subject to such reasonable terms and conditions as State may impose.
- D.41. TERMINATION BY GRANTEE: Subject to State approval which may be reasonably withheld, Grantee may terminate this Agreement and be relieved of contractual obligations. In doing so, Grantee must provide a reason(s) for termination. Grantee must submit all progress reports summarizing accomplishments up until termination date.
- D.42. TERMINATION FOR CAUSE: Subject to the right to cure under Paragraph 12, "Default Provisions," the State may terminate this Grant agreement and be relieved of any payments should Grantee fail to perform the requirements of this Grant agreement at the time and in the manner herein, provided including but not limited to reasons of default under Paragraph 12, "Default Provisions."
- D.43. TERMINATION WITHOUT CAUSE: The State may terminate this Agreement without cause on 30 days' advance written notice. The Grantee shall be reimbursed for all reasonable expenses incurred up to the date of termination.
- D.44. THIRD PARTY BENEFICIARIES: The parties to this Agreement do not intend to create rights in, or grant remedies to, any third party as a beneficiary of this Agreement, or any duty, covenant, obligation or understanding established herein.
- D.45. TIMELINESS: Time is of the essence in this Grant agreement.
- D.46. TRAVEL – DAC, EDA, TRIBES PROJECT: Travel is only an eligible reimbursable expense for projects providing at least 75% of benefits to DACs, EDAs, and/or Tribes (based on population or geographic area). Only ground transportation and lodging are eligible for grant reimbursement. Per diem costs will not be eligible for grant reimbursement. Any reimbursement for necessary travel shall be at rates not

to exceed those set by the California Department of Human Resources. These rates may be found at: <http://www.calhr.ca.gov/employees/Pages/travel-reimbursements.aspx>. Reimbursement will be at the State travel amounts that are current as of the date costs are incurred. No travel outside of the IRWM region shall be reimbursed unless prior written authorization is obtained from the State.

- D.47. UNION ORGANIZING: Grantee, by signing this Grant agreement, hereby acknowledges the applicability of Government Code sections 16645 through 16649 to this Grant agreement. Furthermore, Grantee, by signing this Grant agreement, hereby certifies that:
- A. No State funds disbursed by this Grant agreement will be used to assist, promote, or deter union organizing.
  - B. Grantee shall account for State funds disbursed for a specific expenditure by this Grant agreement to show those funds were allocated to that expenditure.
  - C. Grantee shall, where State funds are not designated as described in (b) above, allocate, on a pro rata basis, all disbursements that support the program.
  - D. If Grantee makes expenditures to assist, promote, or deter union organizing, Grantee will maintain records sufficient to show that no State funds were used for those expenditures and that Grantee shall provide those records to the Attorney General upon request.
- D.48. VENUE: The State and the Grantee hereby agree that any action arising out of this Agreement shall be filed and maintained in the Superior Court in and for the County of Sacramento, California, or in the United States District Court in and for the Eastern District of California. The Grantee hereby waives any existing sovereign immunity for the purposes of this Agreement.
- D.49. WAIVER OF RIGHTS: None of the provisions of this Grant agreement shall be deemed waived unless expressly waived in writing. It is the intention of the parties here to that from time to time either party may waive any of its rights under this Grant agreement unless contrary to law. Any waiver by either party of rights arising in connection with the Grant agreement shall not be deemed to be a waiver with respect to any other rights or matters, and such provisions shall continue in full force and effect.

**EXHIBIT E**

**AUTHORIZING RESOLUTION**

**BOARD OF SUPERVISORS, COUNTY OF HUMBOLDT, STATE OF CALIFORNIA**

Certified copy of portion of proceedings, Meeting of August 27, 2019

**RESOLUTION NO. 19-85**

**RESOLUTION OF THE HUMBOLDT COUNTY BOARD OF SUPERVISORS AUTHORIZING THE HUMBOLDT COUNTY DEPARTMENT OF PUBLIC WORKS TO SUBMIT AN APPLICATION TO THE CALIFORNIA DEPARTMENT OF WATER RESOURCES TO OBTAIN A PROPOSITION 1, ROUND 1 INTEGRATED REGIONAL WATER MANAGEMENT IMPLEMENTATION GRANT PURSUANT TO THE WATER QUALITY, SUPPLY, AND INFRASTRUCTURE IMPROVEMENT ACT OF 2014 (CALIFORNIA WATER CODE SECTIONS 79700, *ET SEQ.*)**

**WHEREAS**, in 2004 the North Coast Resource Partnership ("NCRP") was formed as a water management collaborative between Humboldt, Sonoma, Modoc, Mendocino, Trinity, Del Norte and Siskiyou Counties in order to develop a North Coast Integrated Regional Water Management ("IRWM") Plan; and

**WHEREAS**, in 2006 the NCRP Policy Review Panel unanimously appointed the County of Humboldt to act as the Regional Contract Administrator for NCRP grants; and

**WHEREAS**, in 2010, 2011, 2013, 2014, and 2015 the County of Humboldt, on behalf of the NCRP, applied for, received and administered planning and implementation project grants made available by the California Department of Water Resources ("DWR"); and

**WHEREAS**, on November 4, 2014, California voters approved Proposition 1, which authorized the appropriation of Five Hundred Ten Million Dollars (\$510,000,000.00) in Integrated Regional Water Management Grant funding; and

**WHEREAS**, in April 2019, DWR released a proposal solicitation package for Proposition 1, Round 1 Integrated Regional Water Management Implementation Grant funding;

**WHEREAS**, the NCRP is preparing an application package which includes twenty (20) proposed projects that total Twelve Million Seven Hundred Twenty Thousand Dollars (\$12,720,000.00) for submission to DWR.

**NOW, THEREFORE, THE HUMBOLDT COUNTY BOARD OF SUPERVISORS HEREBY RESOLVES AS FOLLOWS:**

1. The Humboldt County Department of Public Works Director, or a designee thereof, is hereby authorized to submit an application and any other documents required, or deemed necessary, to obtain a Proposition 1, Round 1 Integrated Regional Water Management Implementation Grant pursuant to the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (California Water Code Sections 79700, *et seq.*).
2. If the County of Humboldt's application for the North Coast Resource Partnership 2019 Proposition 1 IRWM Project Grant is approved by DWR, the Humboldt County Department of Public Works Director, or a designee thereof, is hereby authorized to prepare any and all data, conduct any and all investigations and enter into, execute and file or deliver any and all

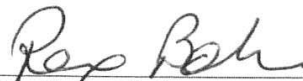
**BOARD OF SUPERVISORS, COUNTY OF HUMBOLDT, STATE OF CALIFORNIA**  
Certified copy of portion of proceedings, Meeting of August 27, 2019

RESOLUTION NO. 19-85

documents, including, without limitation, grant agreements, subgrantee agreements and agreement amendments, that are required, or deemed necessary to secure such funding.

////

Dated: August 27, 2019

  
\_\_\_\_\_  
Rex Bohn, Chair  
Humboldt County Board of Supervisors

Adopted on motion by Supervisor Wilson, seconded by Supervisor Fennell, and the following vote:

AYES:	Supervisors	Bohn, Fennell, Wilson, Bass
NAYS:	Supervisors	--
ABSENT:	Supervisors	Madrone
ABSTAIN:	Supervisors	--

STATE OF CALIFORNIA    )  
County of Humboldt     )

I, KATHY HAYES, Clerk of the Board of Supervisors, County of Humboldt, State of California, do hereby certify the foregoing to be an original made in the above-entitled matter by said Board of Supervisors at a meeting held in Eureka, California.


IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Seal of said Board of Supervisors.


The within instrument is a full, true  
and correct copy of the original on  
file in this office.

ATTEST:

KATHY HAYES  
Clerk of the Board of Supervisors  
of the County of Humboldt,  
State of California

By

  
\_\_\_\_\_  
Ryan Sharp, Deputy

  
\_\_\_\_\_  
Ryan Sharp  
Deputy Clerk of the Board of Supervisors of  
the County of Humboldt, State of California

## EXHIBIT F

### REPORT FORMATS AND REQUIREMENTS

The following reporting formats should be utilized. Please obtain State approval prior to submitting a report in an alternative format.

#### **PROGRESS REPORTS**

Progress reports shall generally use the following format. This format may be modified as necessary to effectively communicate information. For each project, discuss the following at the task level, as organized in Exhibit A:

- Percent complete (by work)
- Discussion of work accomplished during the reporting period.
- Milestones or deliverables completed/submitted during the reporting period.
- Meetings held or attended.
- Scheduling concerns and issues encountered that may delay completion of the task.
- Budget projections for grant share for the next two quarters

For each project, discuss the following at the project level, as organized in Exhibit A:

- Work anticipated for the next reporting period.
- Photo documentation, as appropriate.
- Any schedule or budget modifications approved by DWR during the reporting period.

#### **PROJECT COMPLETION REPORT**

The Project Completion Report (or a Component Completion Report, if a Project has multiple Components) shall generally use the following format provided below for each project after completion.

##### **Executive Summary**

The Executive Summary should include a brief summary of project information and include the following items:

- Brief description of work proposed to be done in the original Grant application.
- List any official amendments to this Grant Agreement, with a short description of the amendment.

##### **Reports and/or Products**

The following items should be provided, unless already submitted as a deliverable:

- A copy of any final technical report or study, produced for or utilized in this Project as described in the Exhibit A
- Electronic copies of any data collected, not previously submitted
- Discussion of problems that occurred during the work and how those problems were resolved
- Final project schedule showing actual progress versus planned progress as shown in Exhibit C

Additional information that may be applicable for implementation projects includes the following:

- Record drawings
- Final geodetic survey information
- Project photos

##### **Cost & Disposition of Funds**

A list showing:

- Summary of Project costs including the following items:
  - Accounting of the cost of project expenditure;
  - Include all internal and external costs not previously disclosed (i.e., additional cost share); and
  - A discussion of factors that positively or negatively affected the project cost and any deviation from the original Project cost estimate.

#### **Additional Information**

- Benefits derived from the Project, with quantification of such benefits provided.
- If applicable, Certification from a California Registered Professional (Civil Engineer or Geologist, as appropriate), consistent with Exhibit D, that the project was conducted in accordance with the approved Work Plan in Exhibit A and any approved amendments thereto.
- Submittal schedule for the Post Performance Report.

#### **GRANT COMPLETION REPORT**

The Grant Completion Report shall generally use the following format. This format may be modified as necessary to effectively communicate information on the various projects funded by this Grant Agreement, and includes the following:

- Executive Summary: consisting of a maximum of ten (10) pages summarizing information for the grant as well as the individual projects.
- Brief discussion of: each project completed and how they achieved IRWM Plan objectives and/or Regional goals and whether the level, type, or magnitude of benefits of the project are comparable to the original project proposal; any remaining work to be completed and mechanism for their implementation; the benefits to DAC and/or EDA as part of this Grant Agreement if a DAC or EDA Cost Share Waiver was approved for a project; and a summary of final funds disbursement for each project.

**Additional Information:** Summary of the submittal schedule for the Post Performance Reports applicable for the projects in this Grant Agreement.

#### **POST-PERFORMANCE REPORT**

The Post-Performance Report (PPR) should be concise and focus on how each project is performing compared to its expected performance; whether the project is being operated and maintained and providing intended benefits as proposed. A PPR template may be provided by the assigned DWR Grant Manager upon request. The PPR should follow the general format of the template and provide requested information as applicable. The following information, at a minimum, shall be provided:

#### **Reports and/or products**

- Header including the following:
  - Grantee Name
  - Implementing Agency (if different from Grantee)
  - Grant Agreement Number
  - Project Name
  - Funding grant source (i.e., 2019 Proposition 1 IRWM Implementation Grant)
  - Report number
- Post-Performance Report schedule
- Time period of the annual report (e.g., January 2018 through December 2018)
- Project Description Summary
- Discussion of the project benefits

- An assessment of any differences between the expected versus actual project benefits as stated in the original application. Where applicable, the reporting should include quantitative metrics (e.g., new acre-feet of water produced that year, etc.).
- Summary of any additional costs and/or benefits deriving from the project since its completion, if applicable.
- Any additional information relevant to or generated by the continued operation of the project.

## EXHIBIT G

### REQUIREMENTS FOR DATA SUBMITTAL

#### **Surface and Groundwater Quality Data:**

Groundwater quality and ambient surface water quality monitoring data that include chemical, physical, or biological data shall be submitted to the State as described below, with a narrative description of data submittal activities included in project reports.

Surface water quality monitoring data shall be prepared for submission to the California Environmental Data Exchange Network (CEDEN). The CEDEN data templates are available on the CEDEN website. Inclusion of additional data elements described on the data templates is desirable. Data ready for submission should be uploaded to your CEDEN Regional Data Center via the CEDEN website. CEDEN website: <http://www.ceden.org>.

If a project's Work Plan contains a groundwater ambient monitoring element, groundwater quality monitoring data shall be submitted to the State for inclusion in the State Water Resources Control Board's Groundwater Ambient Monitoring and Assessment (GAMA) Program. Information on the GAMA Program can be obtained at: [https://www.waterboards.ca.gov/water\\_issues/programs/gama/](https://www.waterboards.ca.gov/water_issues/programs/gama/). If further information is required, the Grantee can contact the State Water Resources Control Board (SWRCB) GAMA Program. A listing of SWRCB staff involved in the GAMA program can be found at: [https://www.waterboards.ca.gov/water\\_issues/programs/gama/contact.shtml](https://www.waterboards.ca.gov/water_issues/programs/gama/contact.shtml).

#### **Groundwater Level Data**

For each project that collects groundwater level data, the Grantee will need to submit this data to DWR's Water Data Library (WDL), with a narrative description of data submittal activities included in project reports, as described in Exhibit F, "Report Formats and Requirements." Information regarding the WDL and in what format to submit data in can be found at: <http://www.water.ca.gov/waterdatalibrary/>.



## EXHIBIT H

### STATE AUDIT DOCUMENT REQUIREMENTS FOR THE GRANTEE

The following provides a list of documents typically required by State Auditors and general guidelines for the Grantee. List of documents pertains to both State funding and the Grantee's Local Cost Share and details the documents/records that State Auditors would need to review in the event of this Grant Agreement is audited. The Grantee should ensure that such records are maintained for each funded project.

#### State Audit Document Requirements

##### Internal Controls

1. Organization chart (e.g., Agency's overall organization chart and organization chart for the State funded Program/Project).
2. Written internal procedures and flowcharts for the following:
  - a) Receipts and deposits
  - b) Disbursements
  - c) State reimbursement requests
  - d) Expenditure tracking of State funds
  - e) Guidelines, policy, and procedures on State funded Program/Project
3. Audit reports of the Agency internal control structure and/or financial statements within the last two years.
4. Prior audit reports on the State funded Program/Project.

##### State Funding:

1. Original Grant Agreement, any amendment(s) and budget modification documents.
2. A listing of all bond-funded grants, loans, or subventions received from the State.
3. A listing of all other funding sources for each Program/Project.

##### Contracts:

1. All subcontractor and consultant contracts and related or partners' documents, if applicable.
2. Contracts between the Agency and member agencies as related to the State funded Program/Project.

##### Invoices:

1. Invoices from vendors and subcontractors for expenditures submitted to the State for payments under the Grant Agreement.
2. Documentation linking subcontractor invoices to State reimbursement, requests and related Grant Agreement budget line items.
3. Reimbursement requests submitted to the State for the Grant Agreement.

##### Cash Documents:

1. Receipts (copies of warrants) showing payments received from the State.
2. Deposit slips (or bank statements) showing deposit of the payments received from the State.
3. Cancelled checks or disbursement documents showing payments made to vendors, subcontractors, consultants, and/or agents under the grants or loans.
4. Bank statements showing the deposit of the receipts.

##### Accounting Records:

1. Ledgers showing entries for funding receipts and cash disbursements.
2. Ledgers showing receipts and cash disbursement entries of other funding sources.
3. Bridging documents that tie the general ledger to requests for Grant Agreement reimbursement.

##### Administration Costs:

1. Supporting documents showing the calculation of administration costs.

##### Personnel:

1. List of all contractors and Agency staff that worked on the State funded Program/Project.

2. Payroll records including timesheets for contractor staff and the Agency personnel who provided services charged to the program

Project Files:

1. All supporting documentation maintained in the project files.
2. All Grant Agreement related correspondence.

**EXHIBIT I****LOCAL PROJECT SPONSORS AND PROJECT LOCATIONS**

The Grantee has assigned, for each project, a Local Project Sponsor (LPS) according to the roles of the participating agencies identified in the IRWM Plan. LPSs may act on behalf of the Grantee for the purposes of individual project management, oversight, compliance, and operations and maintenance. LPSs are identified for each sponsored Project below:

**Local Project Sponsor Agency Designation**


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**Sponsored Project:** Project 1: Water Storage Project

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**Sponsor Agency:** Blue Lake Rancheria

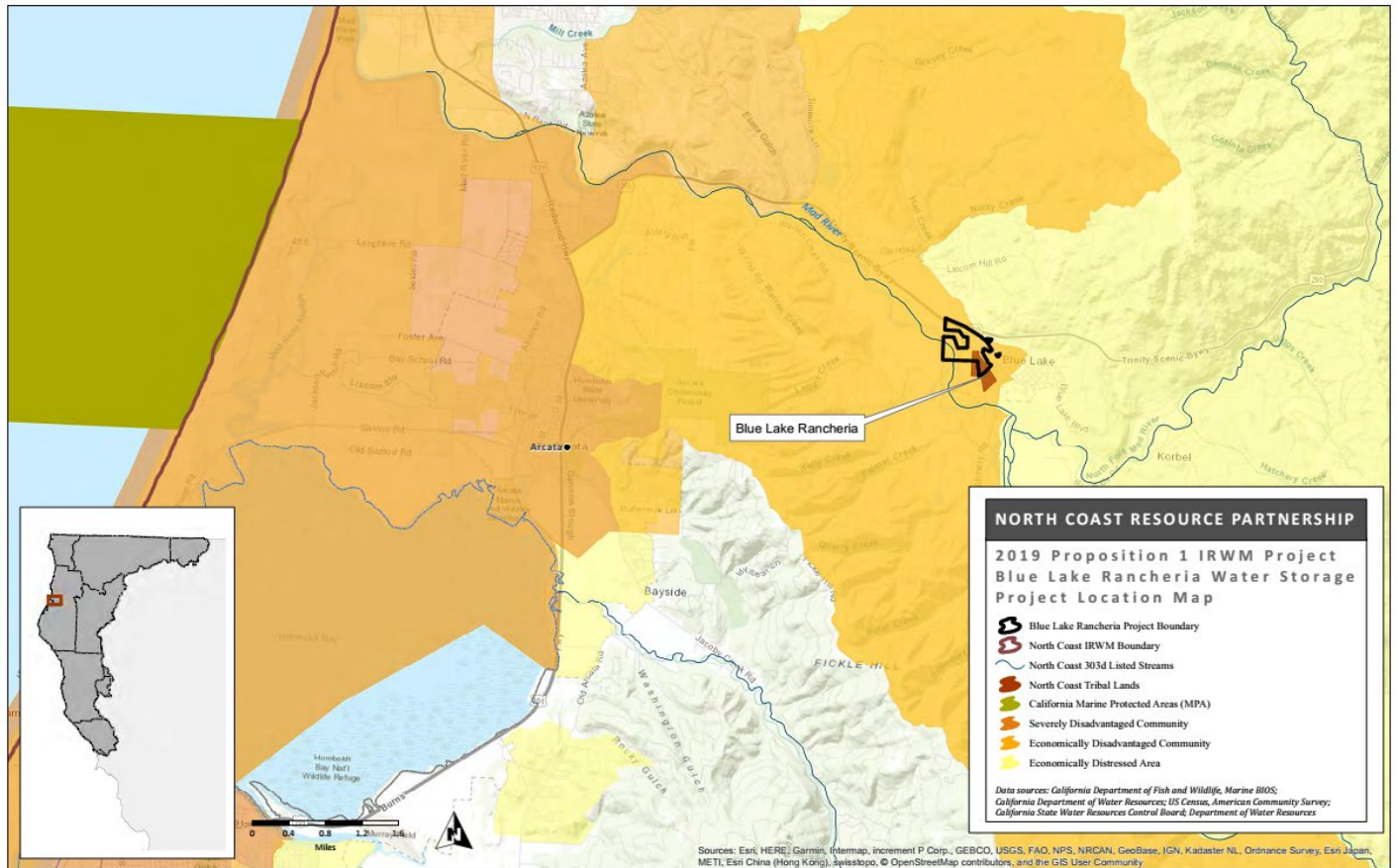
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**Agency Address:** P.O. Box 428, Blue Lake, CA 95525

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**Project Location:** Blue Lake, California (40.883549, -123.998664)

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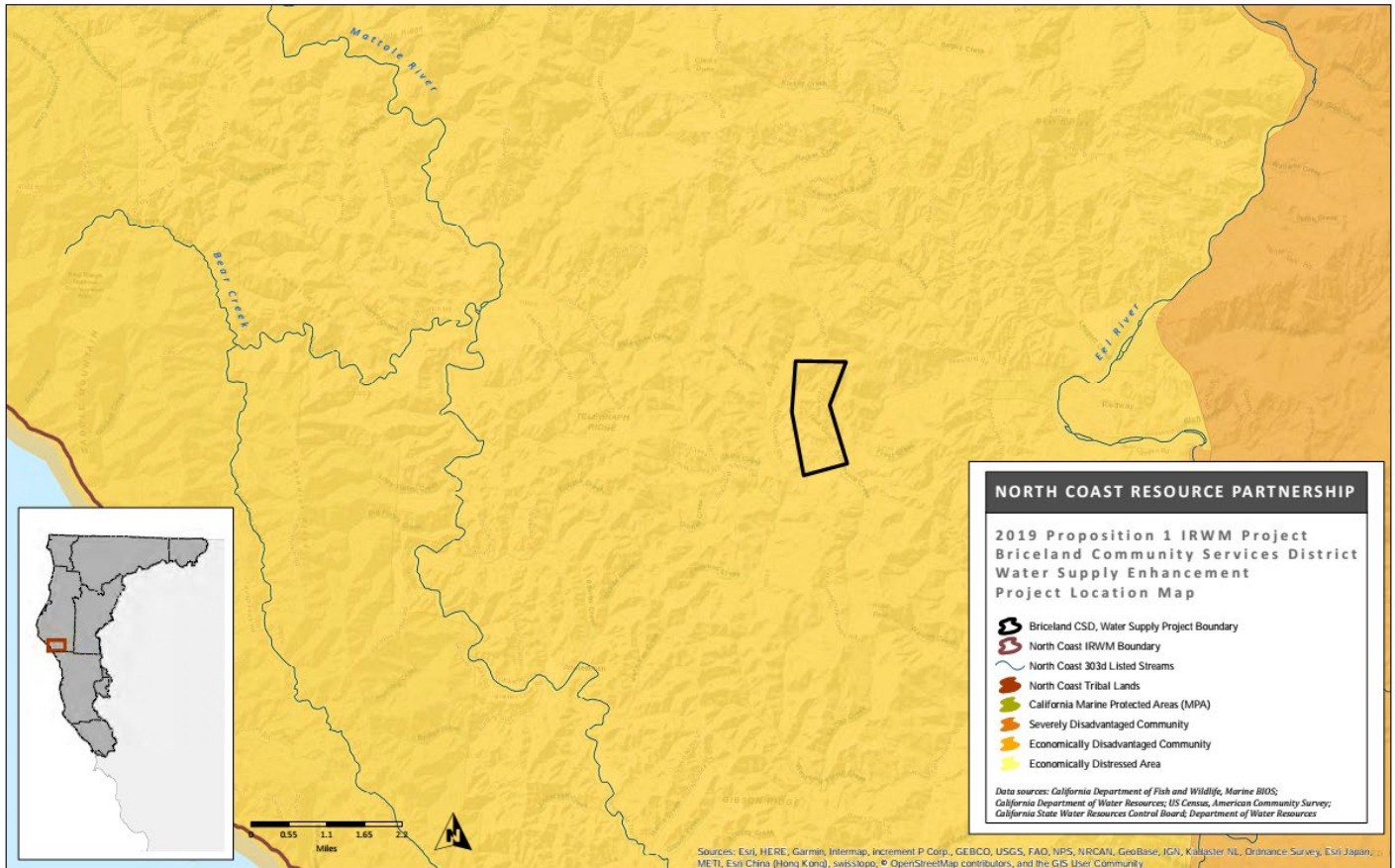
**Local Project Sponsor Agency Designation**

**Sponsored Project:** Project 2: Water Supply Enhancement Project

**Sponsor Agency:** Briceland Community Services District

**Agency Address:** P.O. Box 2013, Redway, CA 95560

**Project Location:** Briceland, California (40.064746, -123.541003)





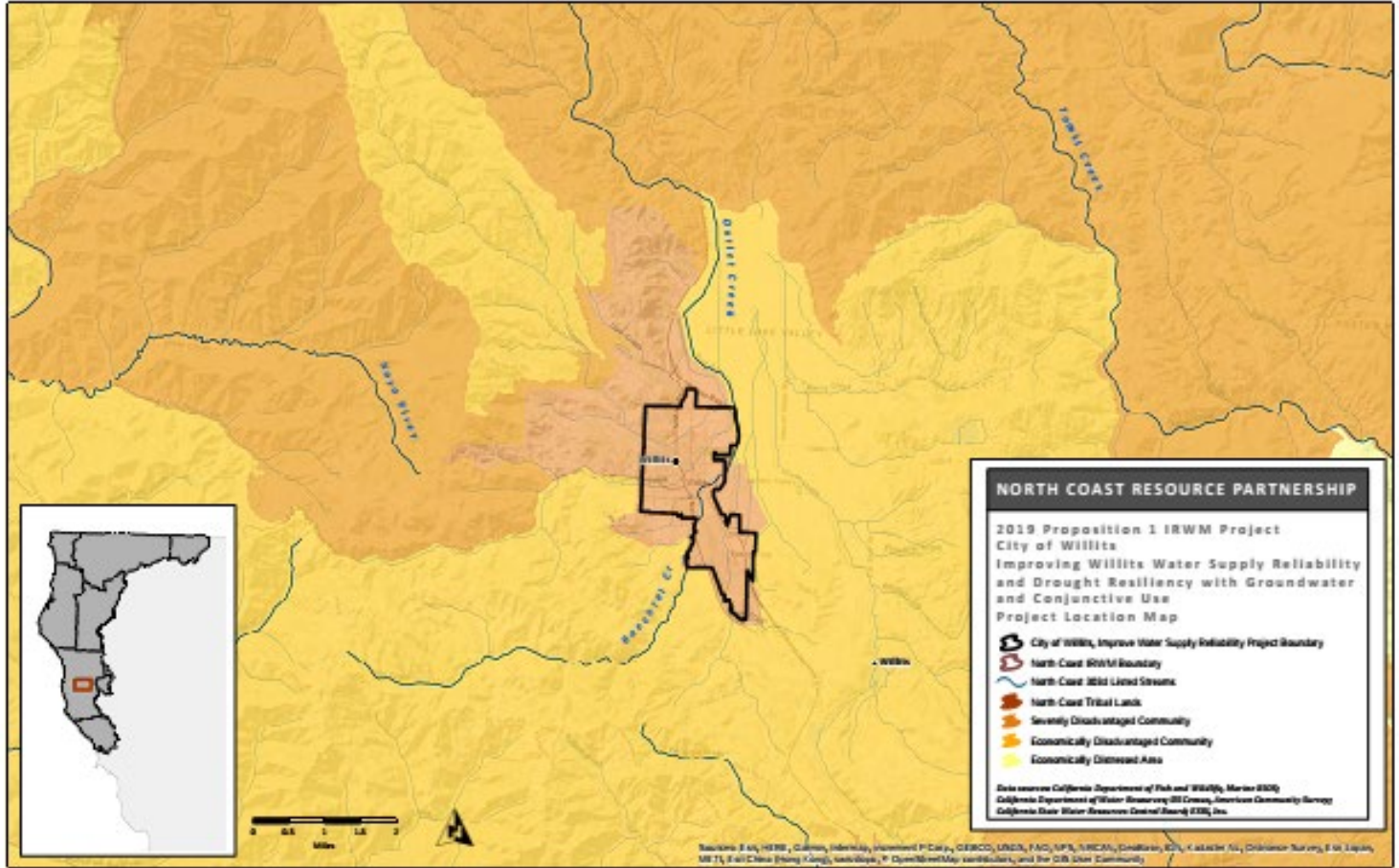
**Sponsored Project:** Project 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use



**Sponsor Agency:** City of Willits

**Agency Address:** 111 E. Commercial Street, Willits, CA 95490

**Project Location:** Willits, California (39.394375, -123.323934)



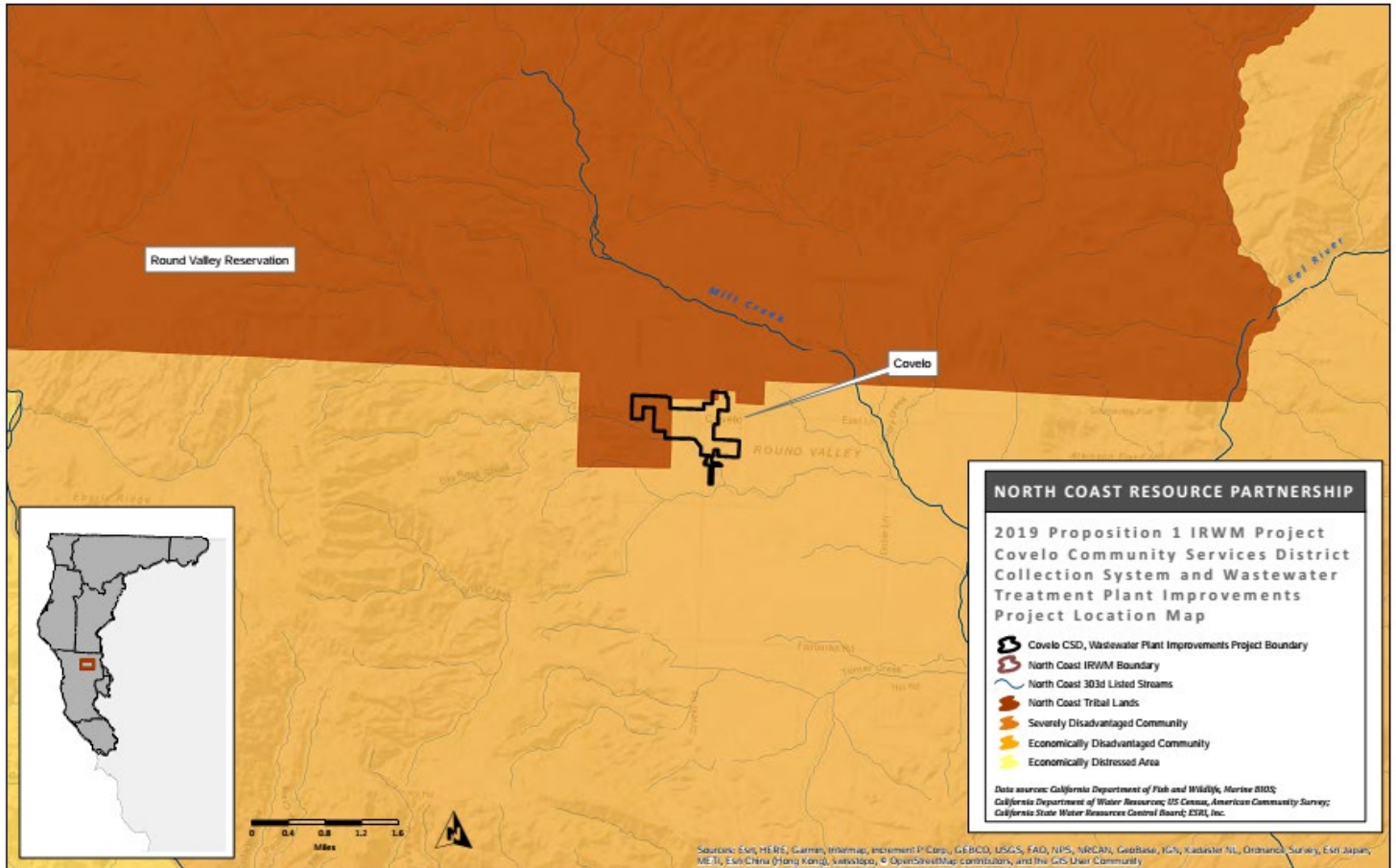
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 5: Collection System and Wastewater Treatment Plant Improvements

**Sponsor Agency:** Covelo Community Services District

**Agency Address:** 75997 Covelo Rd, Covelo, CA 95428

**Project Location:** Covelo, California (39.790869, -123.249394)



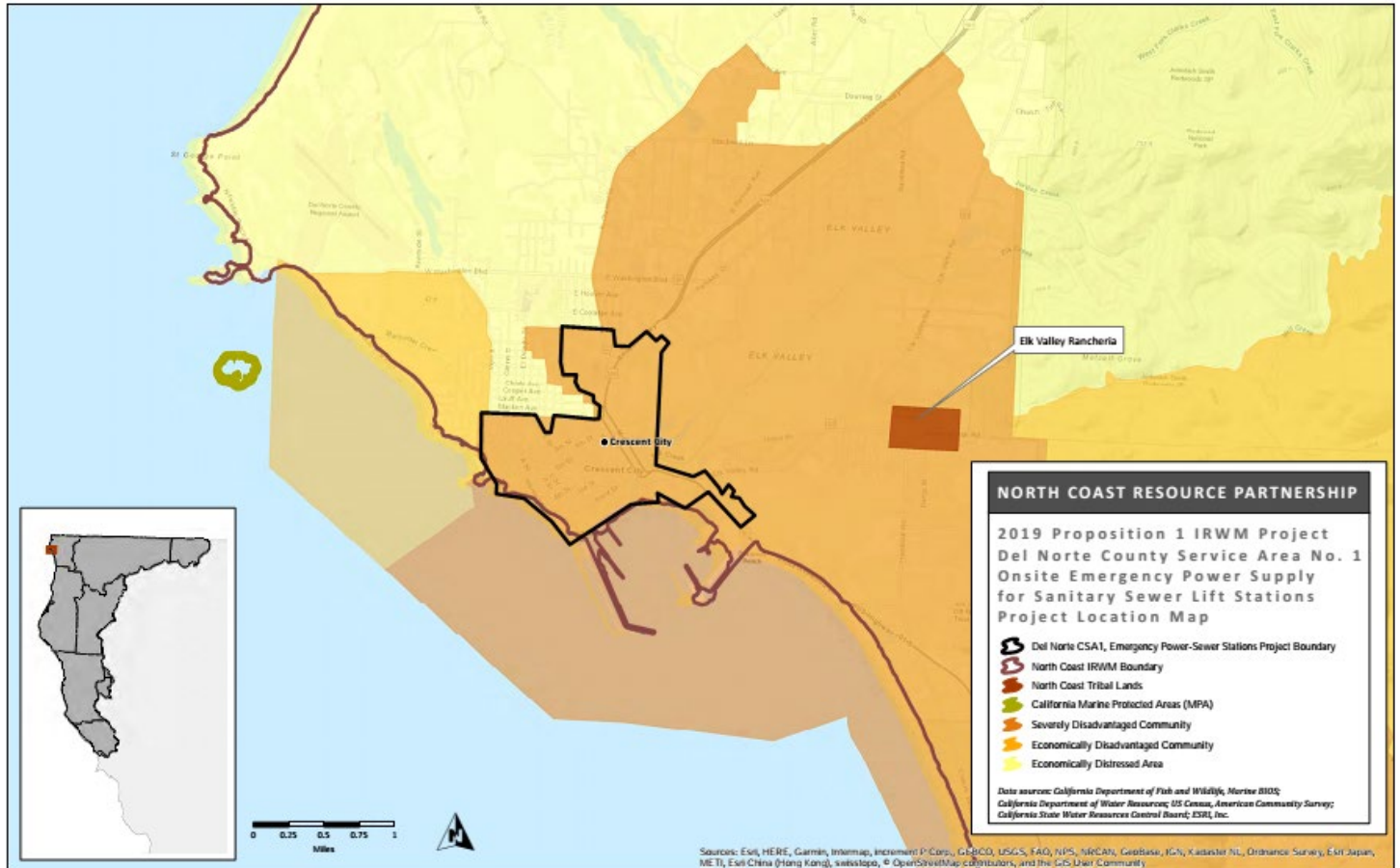
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations

**Sponsor Agency:** Del Norte County Service Area No. 1

**Agency Address:** 981 H St. Suite 110, Crescent City, CA 95531

**Project Location:** Crescent City, California (41.770934, -124.195188)



### Local Project Sponsor Agency Designation

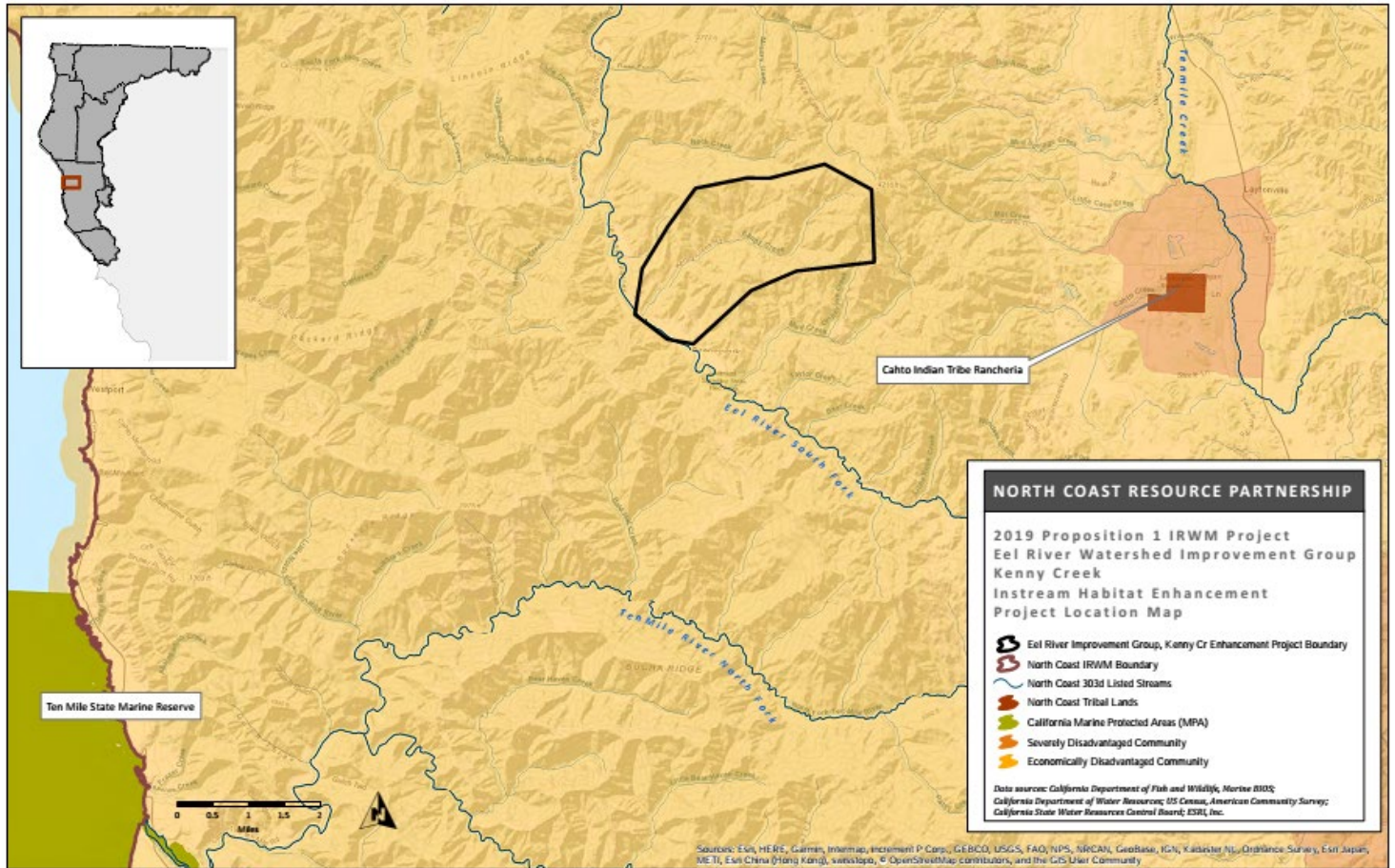
**Sponsored Project:** Project 7: Kenny Creek Instream Habitat Enhancement Project

**Sponsor Agency:** Eel River Watershed Improvement Group

**Agency Address:** 1500 Alamar Way, Fortuna, CA 95540

**Project Location:** Branscomb, California (39.66669, -123.63306)





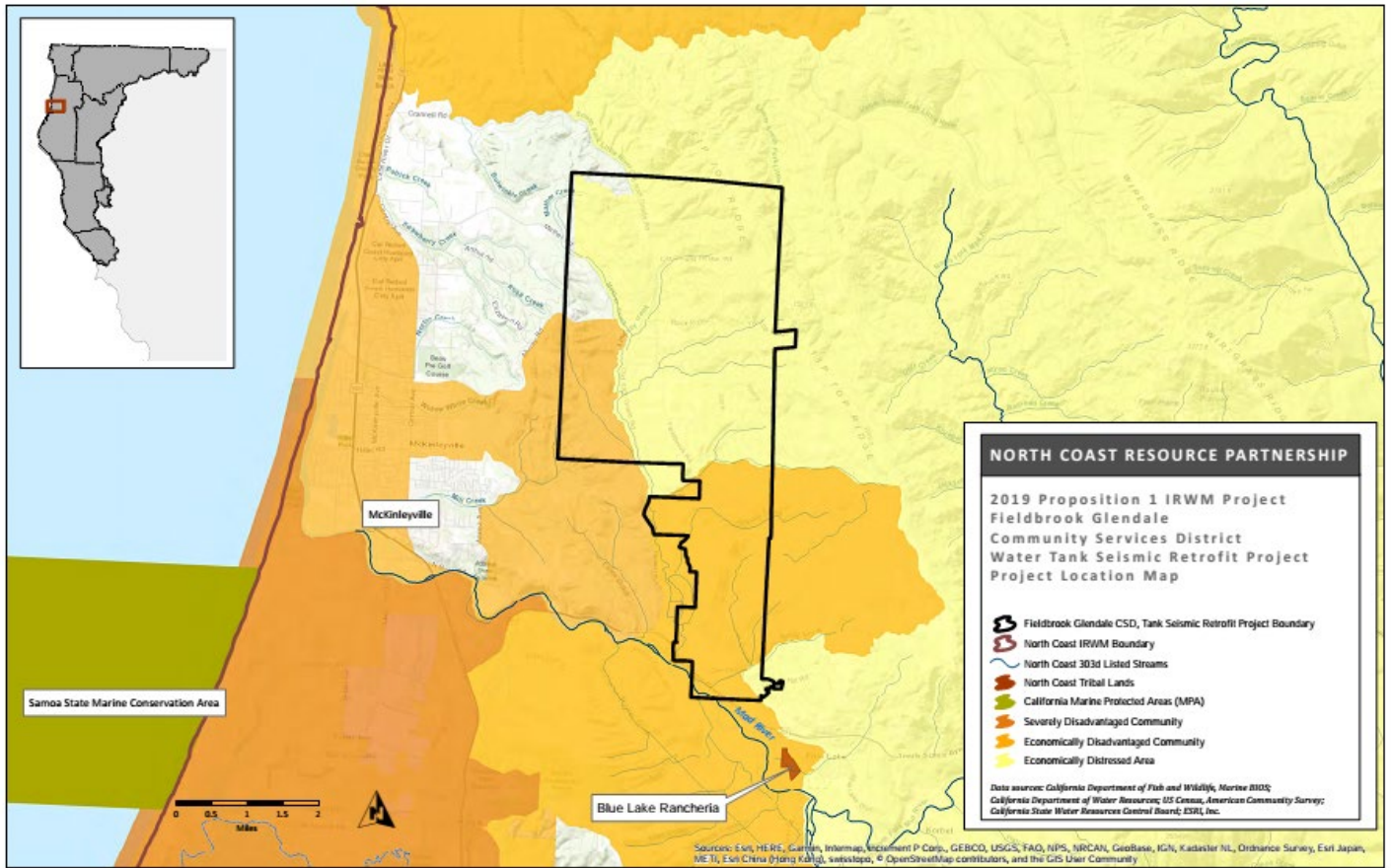
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 8: Water Tank Seismic Retrofit Project

**Sponsor Agency:** Fieldbrook Glendale Community Services District

**Agency Address:** P.O. Box 95, Eureka, CA 95502

**Project Location:** Fieldbrook, California (40.962619, -124.026567)



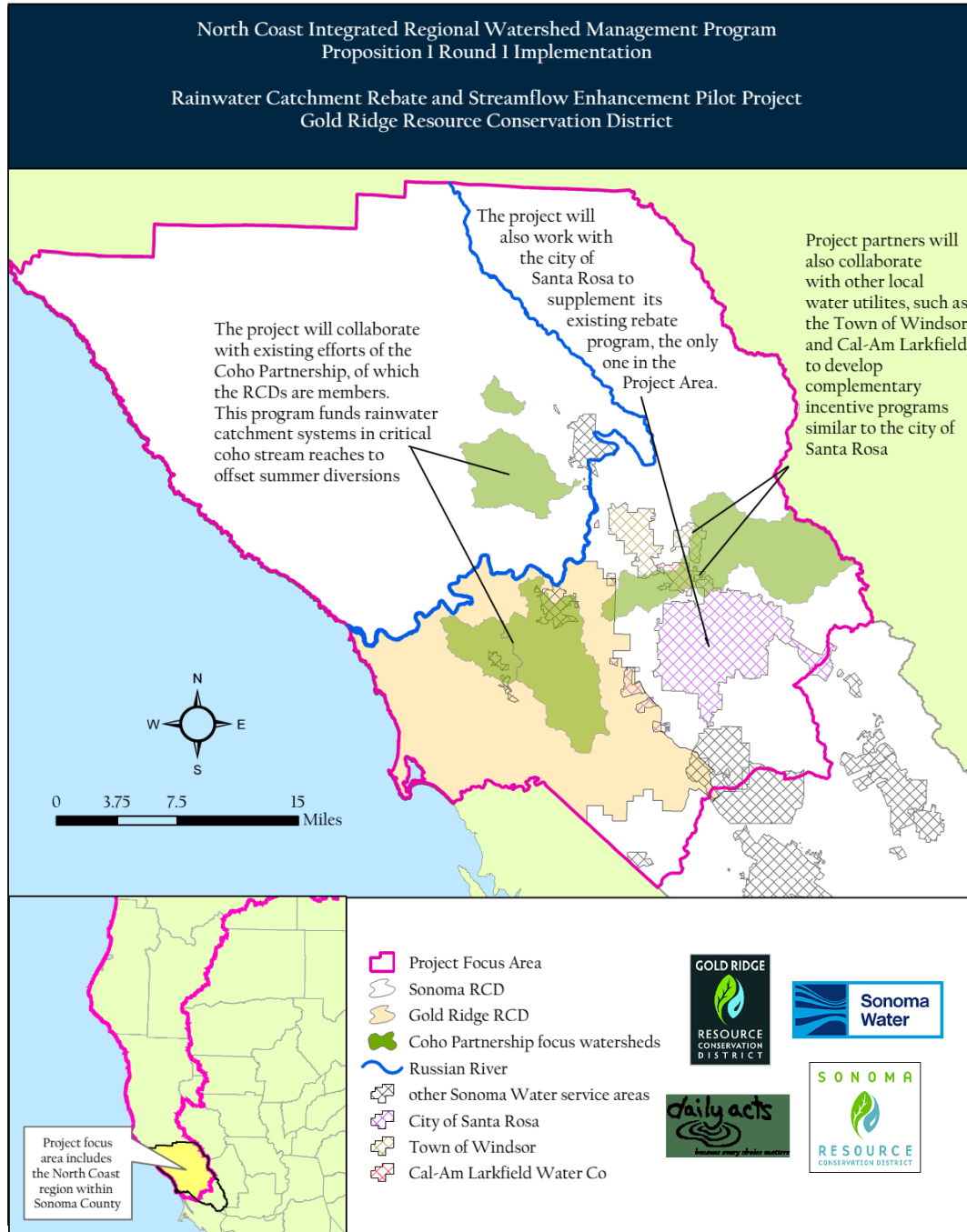
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project

**Sponsor Agency:** Gold Ridge Resource Conservation District

**Agency Address:** 2776 Sullivan Rd., Sebastapol, CA 95472

**Project Location:** Sonoma County, California (38.430706, -122.884012)



### Local Project Sponsor Agency Designation

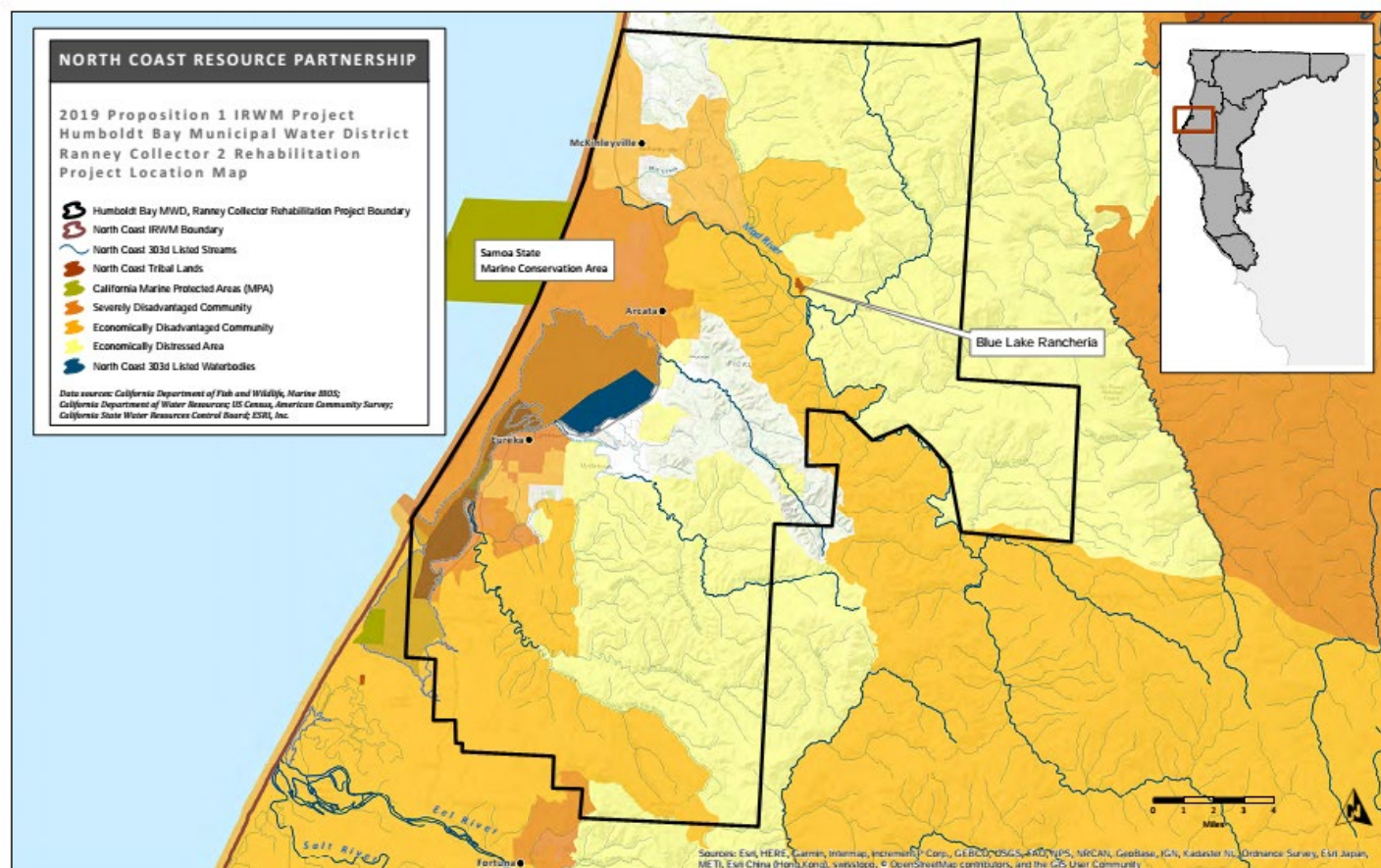
**Sponsored Project:** Project 10: Ranney Collector 2 Rehabilitation Project

**Sponsor Agency:** Humboldt Bay Municipal Water District

**Agency Address:** P.O. Box 95, Eureka, CA 95502

**Project Location:** Arcata, California (40.800647, -124.161472)





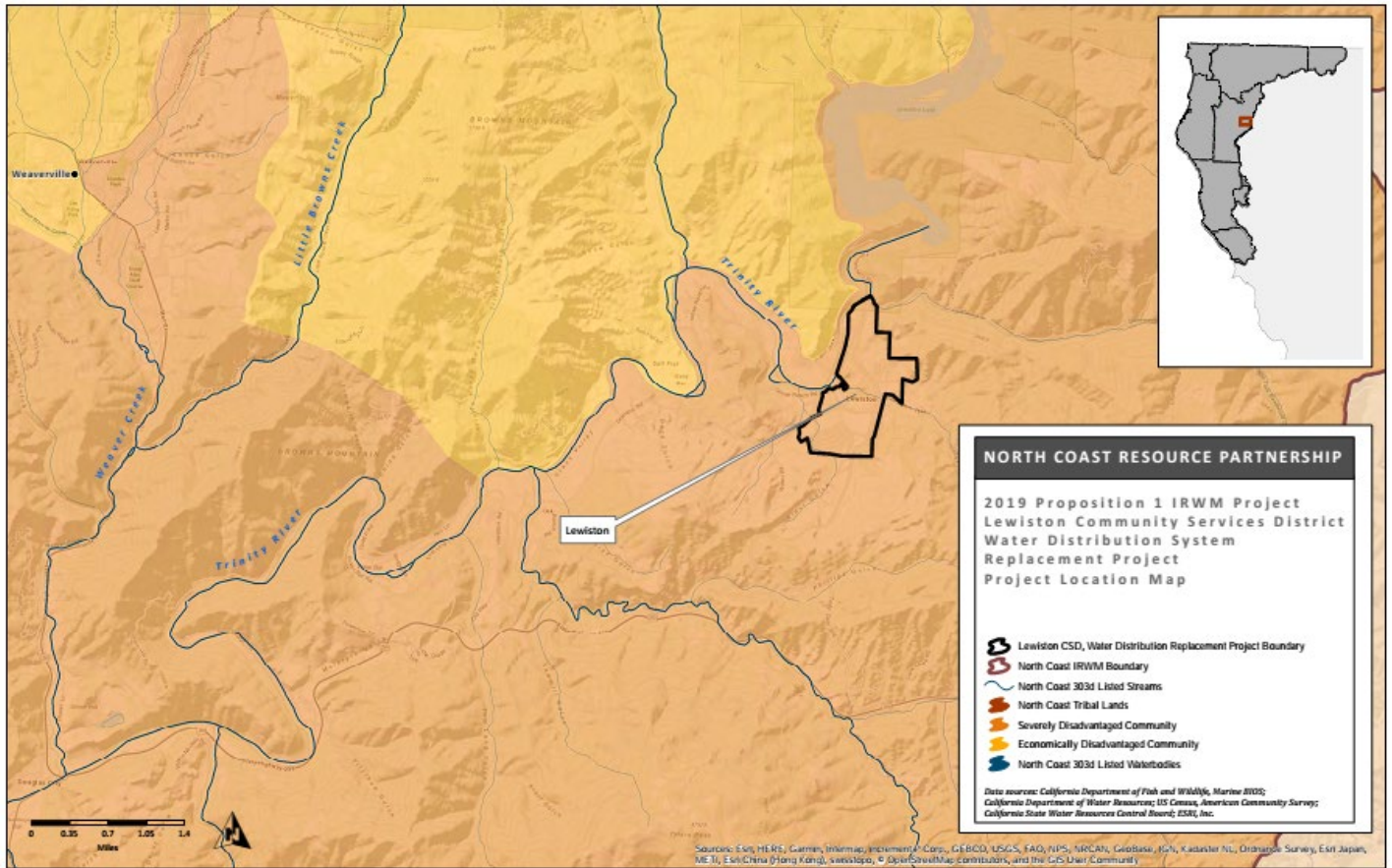
## Local Project Sponsor Agency Designation

**Sponsored Project:** Project 11: Water Distribution System Replacement Project

**Sponsor Agency:** Lewiston Community Services District

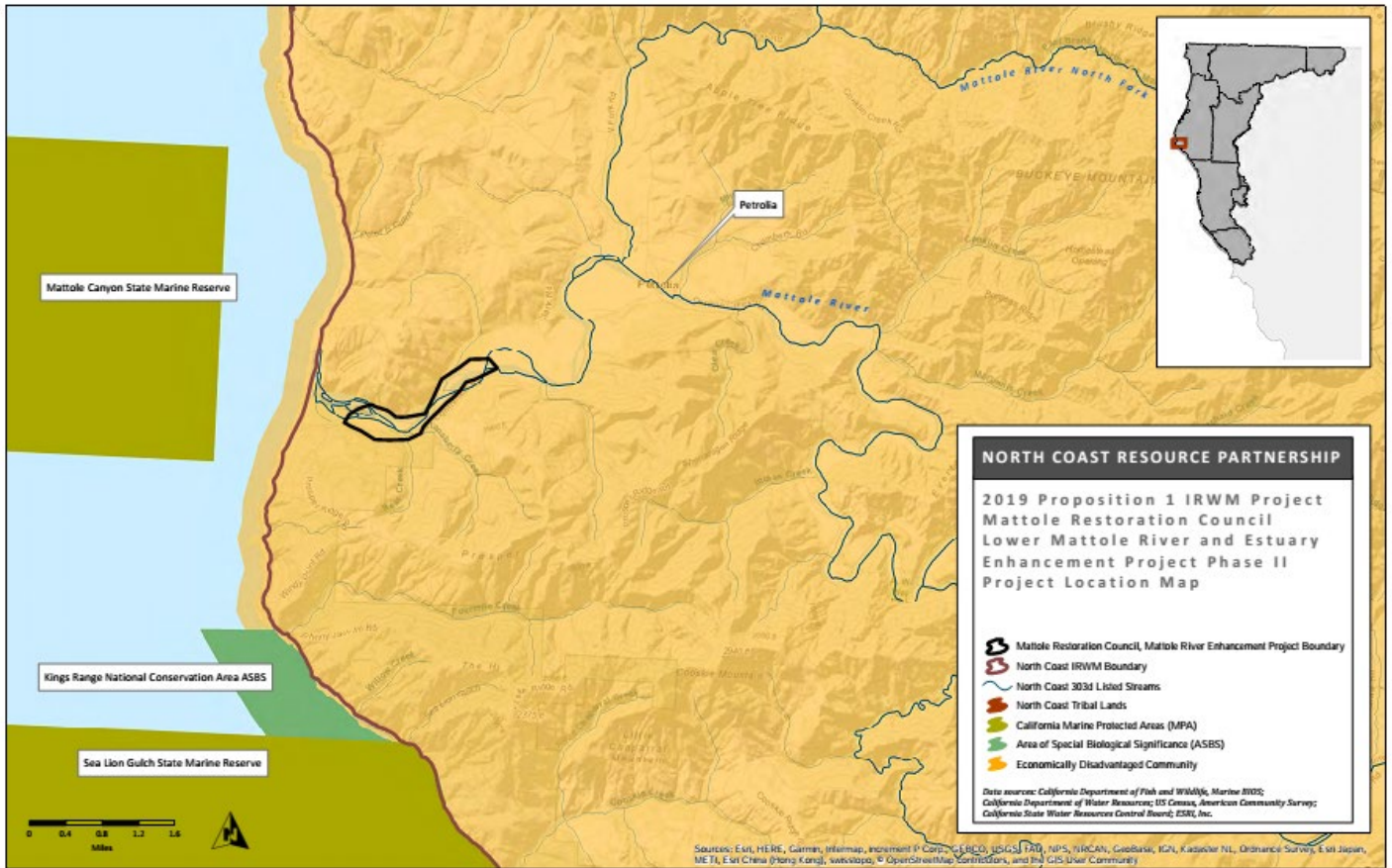
**Agency Address:** P.O. Box 164, Lewiston, CA 96052

**Project Location:** Lewiston, California (40.69776, -122.807388)



### Local Project Sponsor Agency Designation

<b>Sponsored Project:</b>	Project 12: Carbon Sequest Lower Mattole River and Estuary Enhancement Project Phase II Project
<b>Sponsor Agency:</b>	Mattole Restoration Council
<b>Agency Address:</b>	P.O. Box 160, Petrolia, CA 95558
<b>Project Location:</b>	Petrolia, California (40.303784, -124.297139)



### Local Project Sponsor Agency Designation

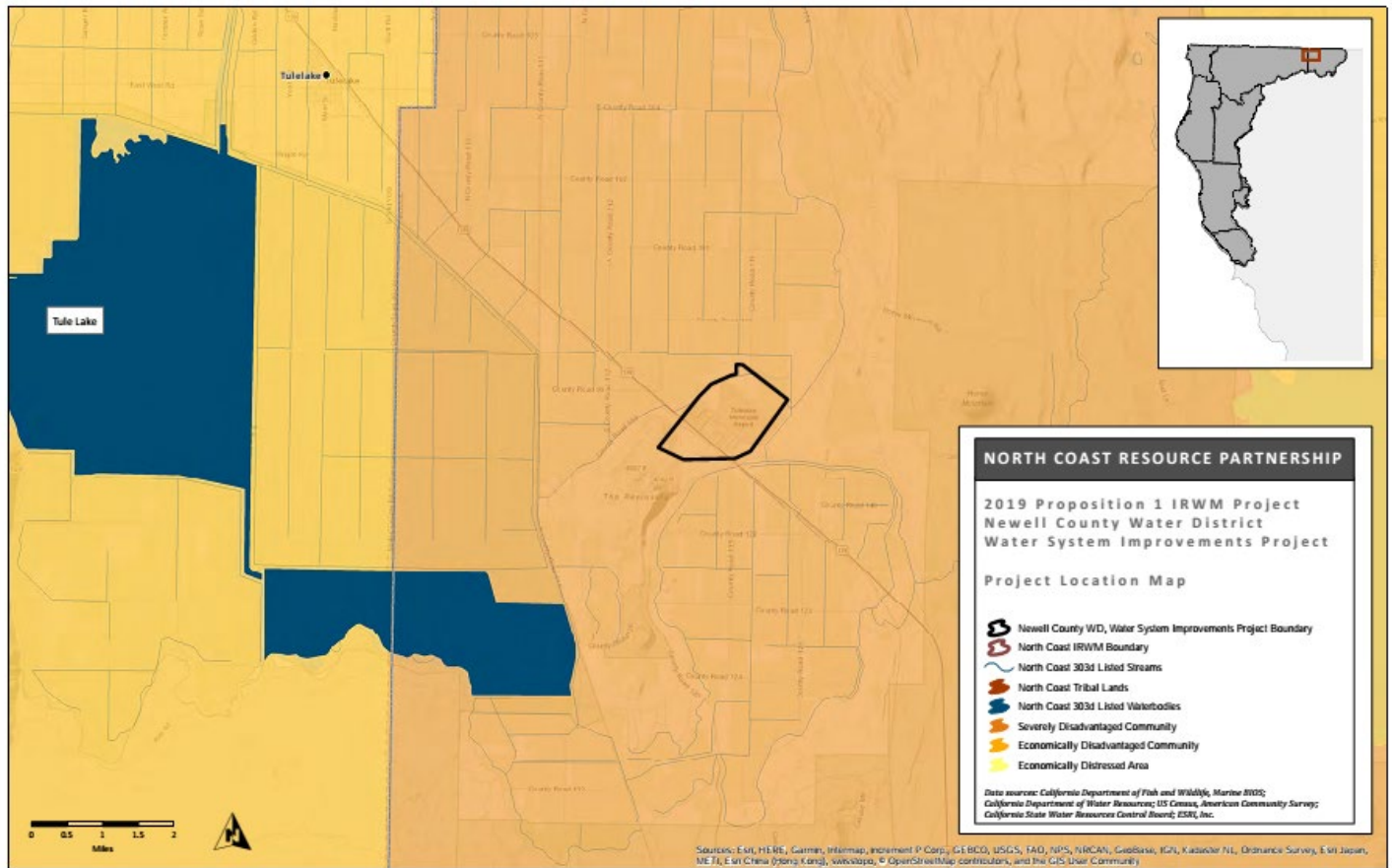
**Sponsored Project:** Project 13: Water System Improvements Project

**Sponsor Agency:** Newell County Water District

**Agency Address:** 405 5th Avenue, Tulelake, CA 96134

**Project Location:** Newell, California (41.883171, -121.365716)





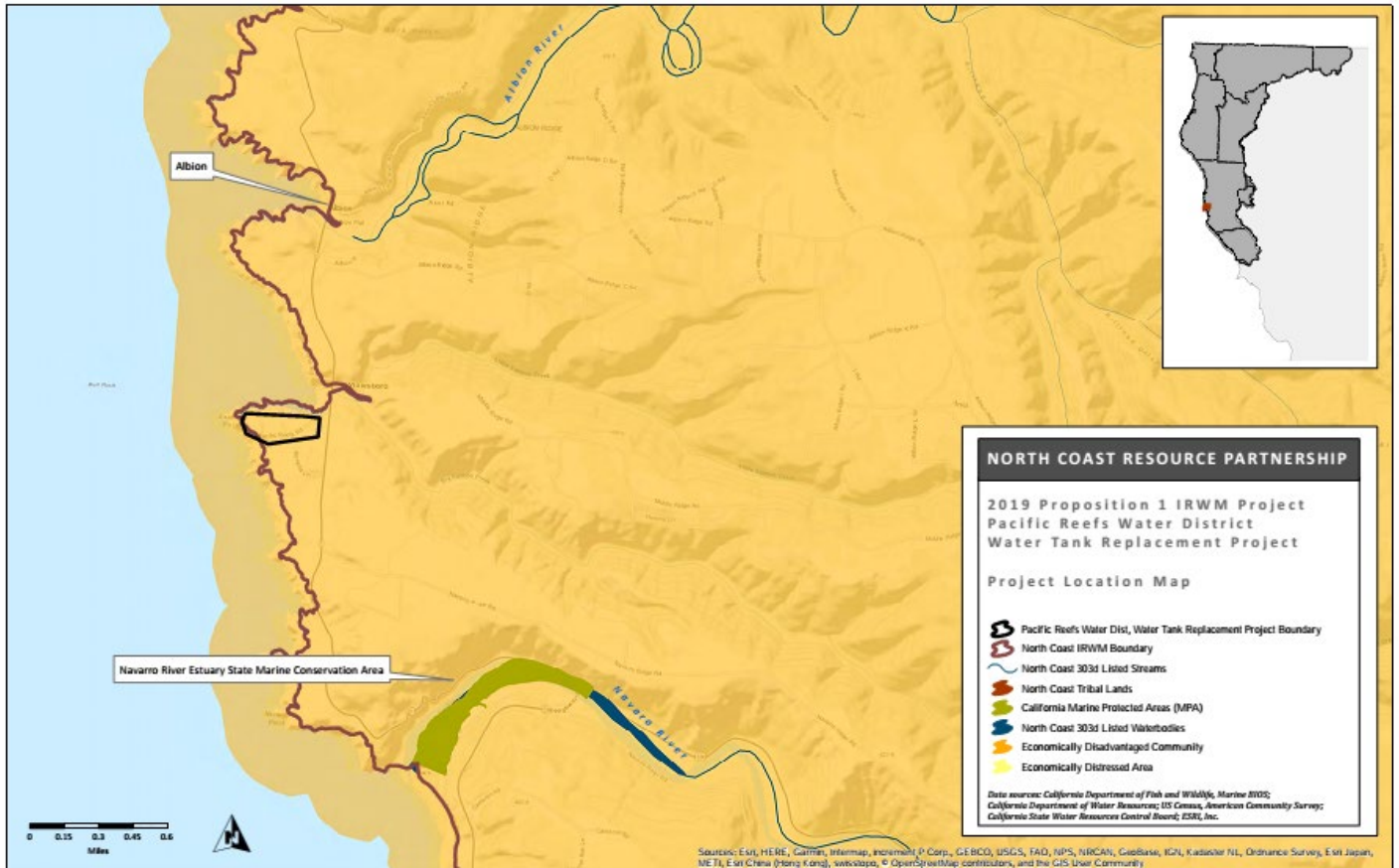
**Local Project Sponsor Agency Designation**

**Sponsored Project:** Project 14: Water Tank Replacement Project

**Sponsor Agency:** Pacific Reefs Water District

**Agency Address:** P.O. Box 314, Albion, CA 95410

**Project Location:** Albion, California (39.213386, -123.773176)



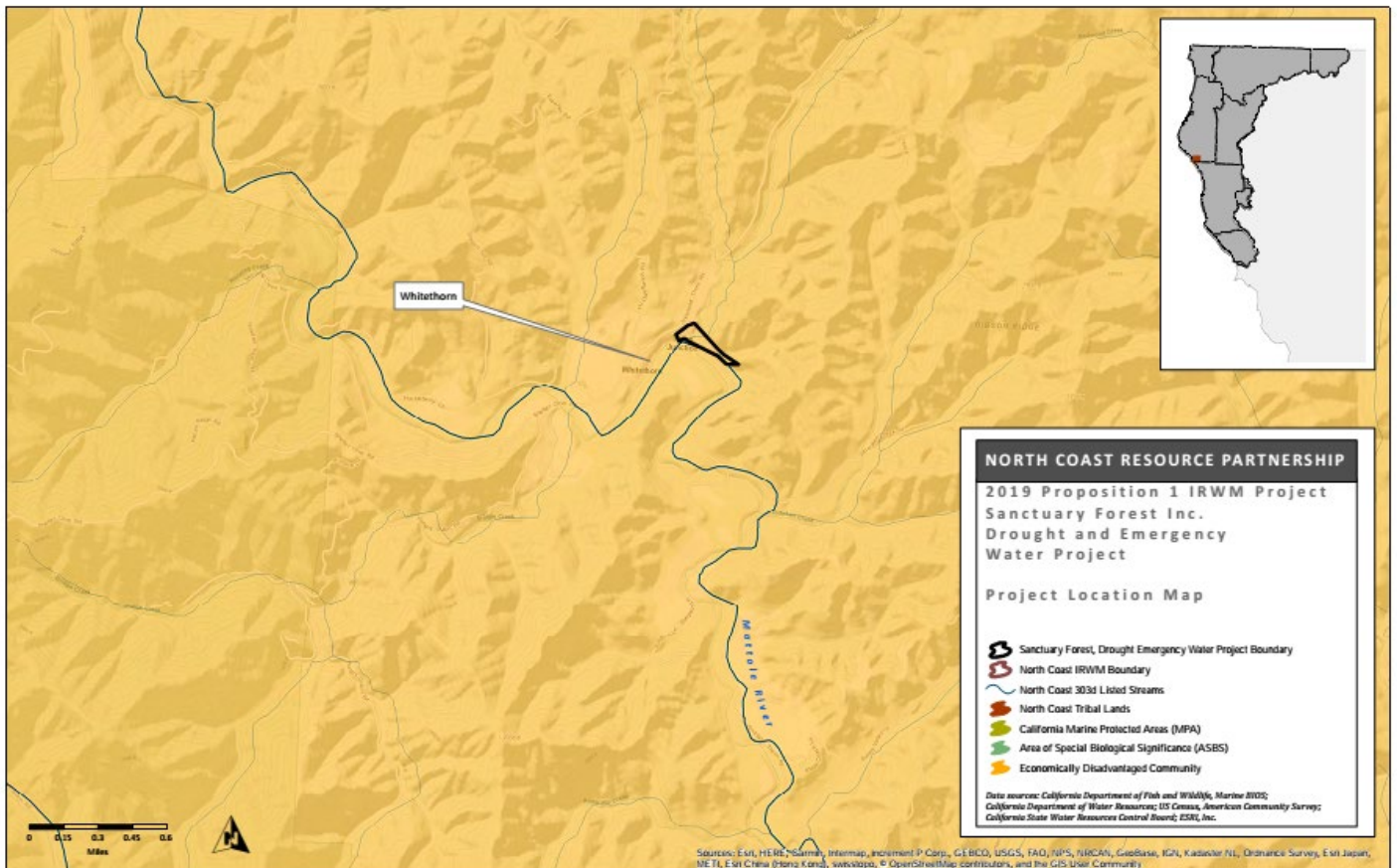


**Sponsored Project:** Project 15: Drought and Emergency Water Project

**Sponsor Agency:** Sanctuary Forest Inc.

**Agency Address:** P.O. Box 166, Whitethorn, CA 95589

**Project Location:** Whitethorn, California (40.018954, -123.936868)



### Local Project Sponsor Agency Designation

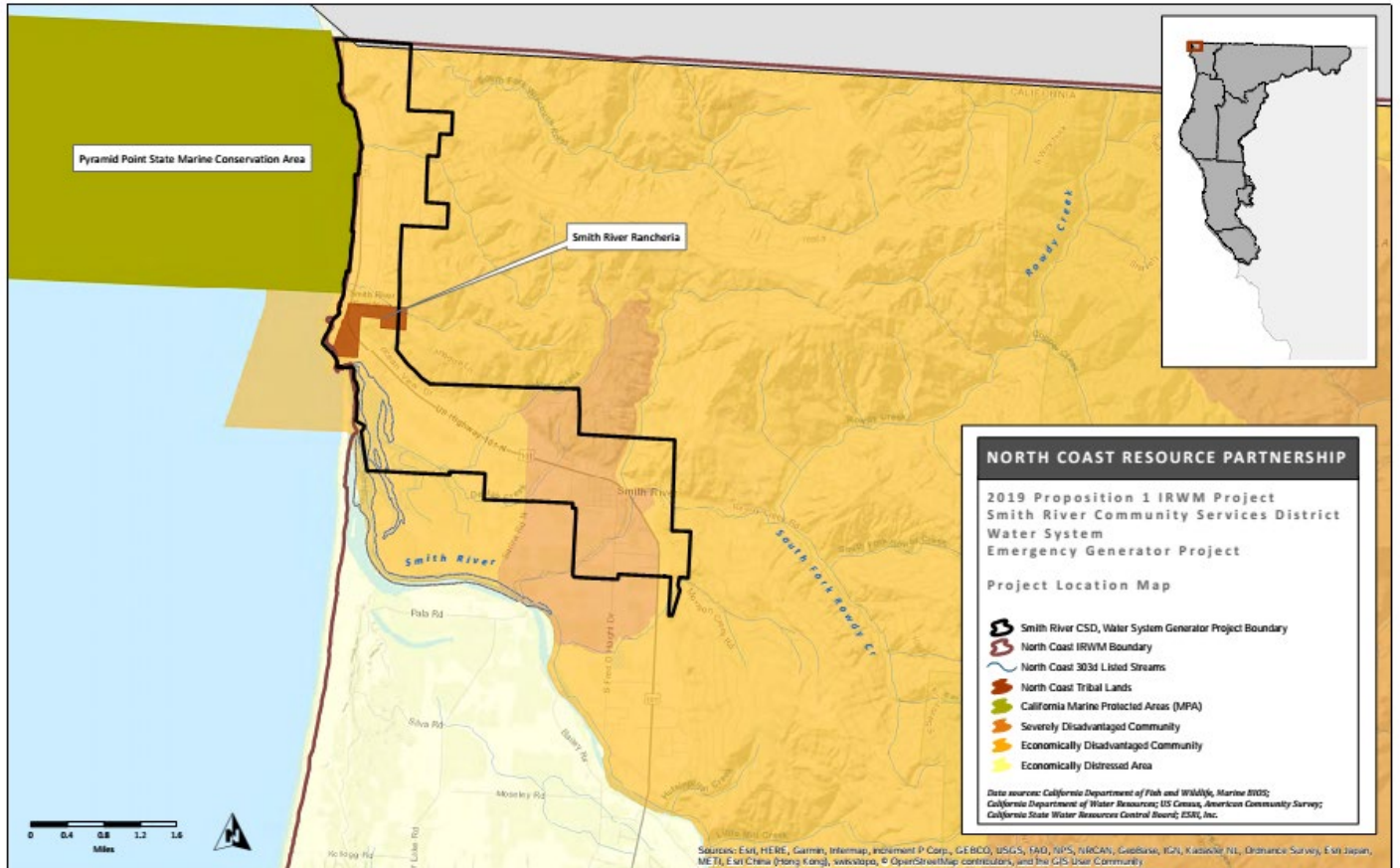
**Sponsored Project:** Project 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project



**Sponsor Agency:** Smith River Community Services District

**Agency Address:** 241 W First St, Smith River, CA 95567

**Project Location:** Smith River, California (41.922996, -124.145587)



### Local Project Sponsor Agency Designation

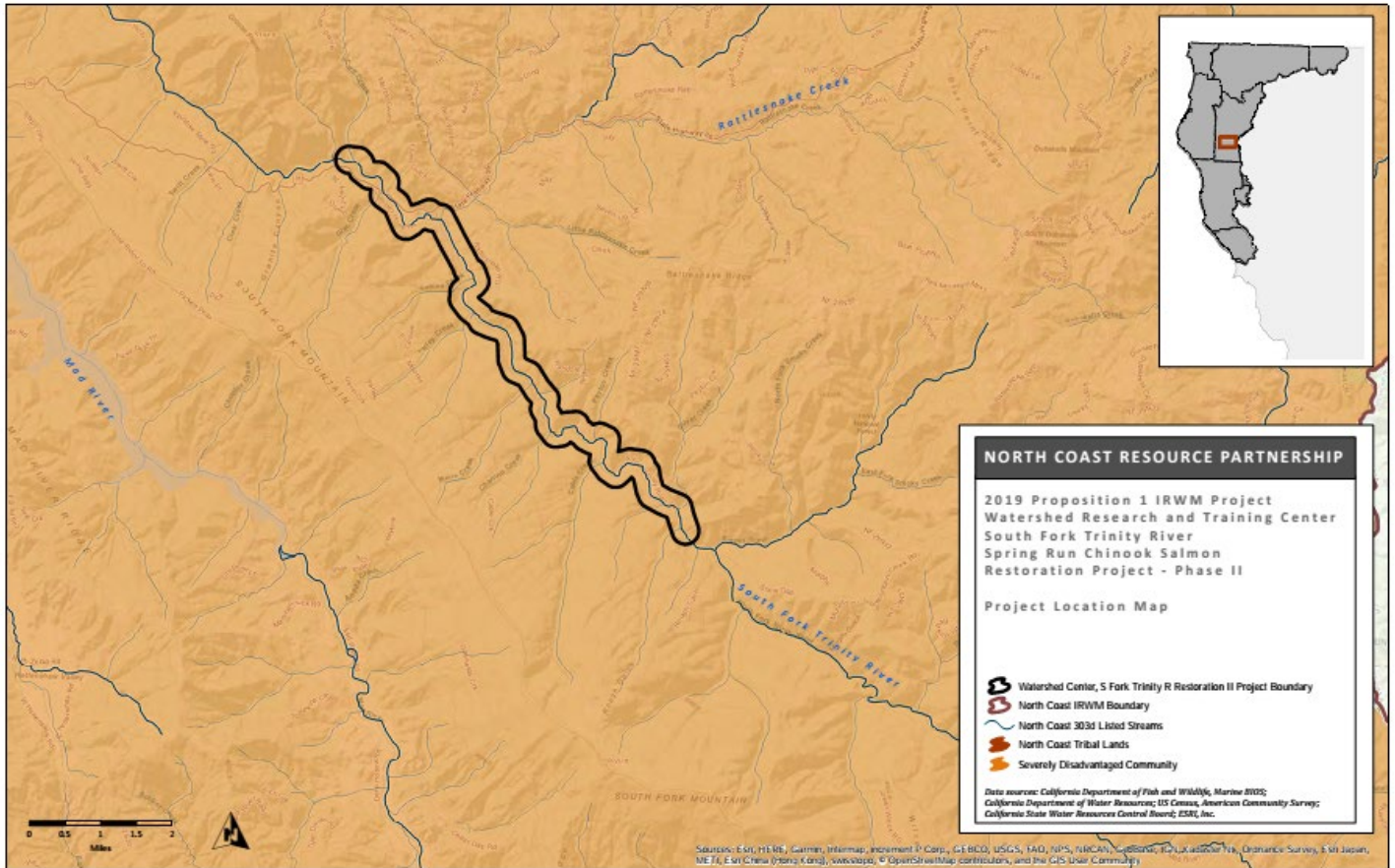
**Sponsored Project:** Project 18: South Fork Trinity River - Spring Run Chinook Salmon Restoration Project - Phase II

**Sponsor Agency:** Watershed Research and Training Center



**Agency Address:** P.O. Box 356, Hayfork, CA 96041

**Project Location:** Forest Glen, California (40.379741, -123.334756)



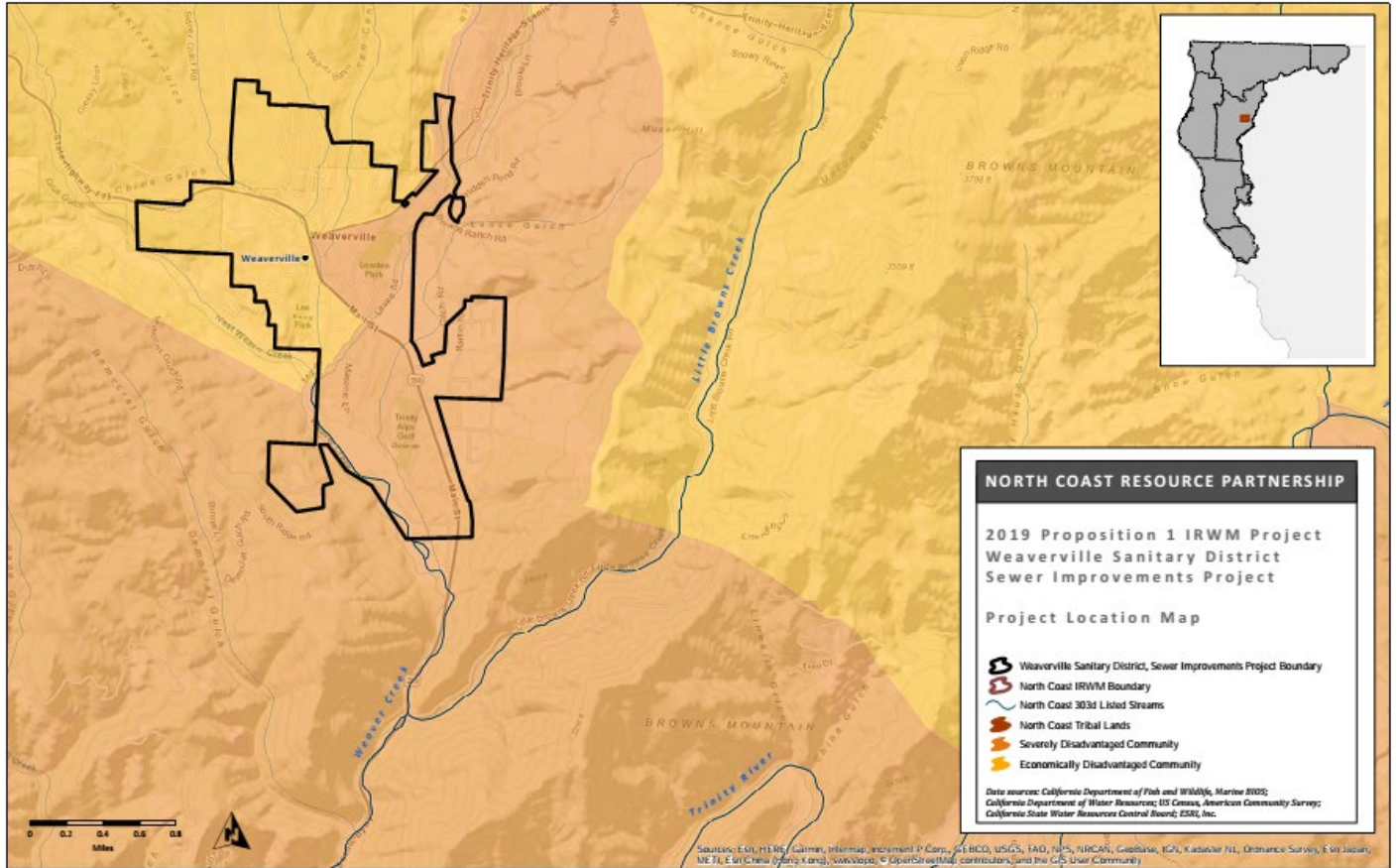
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 19: Sewer Improvements Project

**Sponsor Agency:** Weaverville Sanitary District

**Agency Address:** P.O. Box 1949, Weaverville, CA 96093

**Project Location:** Weaverville, California (40.734203, -122.934272)



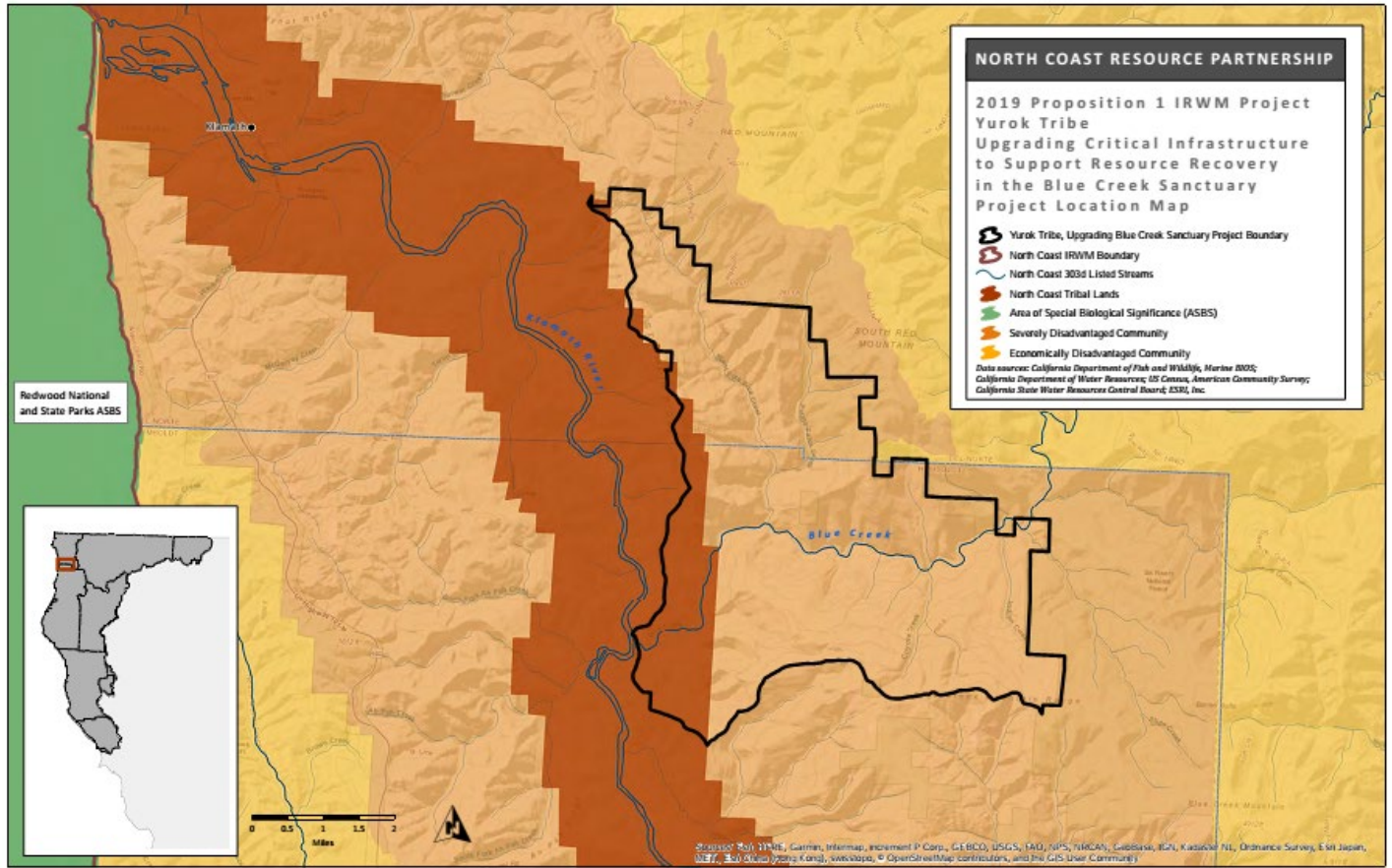
### Local Project Sponsor Agency Designation

**Sponsored Project:** Project 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary

**Sponsor Agency:** Yurok Tribe

**Agency Address:** P.O. Box 1027, Klamath, CA 95548

**Project Location:** Klamath, California (41.511, -123.939)





## EXHIBIT J

### APPRAISAL SPECIFICATIONS

For property acquisitions funded by this Grant Agreement, the Grantee shall submit an appraisal for review and approval by the Department of General Services or DWR's Real Estate Branch prior to reimbursement or depositing State funds into an escrow account. All appraisal reports, regardless of report format, shall include all applicable Appraisal Specifications below. Appraisals for a total compensation of \$150,000 or more shall be reported as a Self-Contained Appraisal Report. Appraisals for a total compensation of less than \$150,000 may be reported as a Summary Appraisal Report, which includes all information necessary to arrive at the appraiser's conclusion. Appraisal Specifications 14, 16, 21, 23-25, and 28 shall be a narrative analysis regardless of the reporting format.

1. Title page with sufficient identification of appraisal assignment.
2. Letter of transmittal summarizing important assumptions and conclusions, value estimate, date of value and date of report.
3. Table of contents.
4. Assumptions and Limiting Conditions, Extraordinary Assumptions, and Hypothetical Conditions as needed.
5. Description of the scope of work, including the extent of data collection and limitations, if any, in obtaining relevant data.
6. Definition of Fair Market Value, as defined by California Code of Civil Procedure, § 1263.320.
7. Photographs of subject property and comparable data, including significant physical features and the interior of structural improvements, if applicable.
8. Copies of Tax Assessor's plat map with the subject marked along with all contiguous assessor's parcels that depict the ownership.
9. A legal description of the subject property, if available.
10. For large, remote or inaccessible parcels, provide aerial photographs or topographical maps depicting the subject boundaries.
11. Three (3) year subject property history, including sales, listings, leases, options, zoning, applications for permits, or other documents or facts that might indicate or affect use or value.
12. Discussion of any current Agreement of Sale, option, or listing of subject property. This issue required increased diligence since state agencies often utilize non-profit organizations to quickly acquire sensitive habitat parcels using Option Agreements. However, due to confidentiality clauses, the terms of the Option are often not disclosed to the State. If the appraiser discovers evidence of an Option or the possible existence of an Option, and the terms cannot be disclosed due to a confidentiality clause, then the appraiser is to cease work and contact the client.
13. Regional, area, and neighborhood analyses. This information may be presented in a summary format.
14. Market conditions and trends including identification of the relevant market area, a discussion of supply and demand within the relevant market area, and a discussion of the relevant market factors impacting demand for site acquisition and leasing within the relevant market area. This information may be presented in a summary format.
15. Discussion of subject land/site characteristics (size, topography, current use, elevations, zoning and land use issues, development entitlements, General Plan designation, utilities, offsite improvements, access, land features such as levees and creeks, offsite improvements, easements and encumbrances, covenants, conditions and restrictions, flood and earthquake information, toxic hazards, water rights, mineral rights, toxic hazards, taxes and assessments, etc.).

16. Description of subject improvements including all structures, square footage, physical age, type of construction, quality of construction, condition of improvements and/or identification of any permanent plantings. Discussion of construction cost methodology, costs included and excluded, accrued depreciation from all causes, remaining economic life, items of deferred maintenance and cost to cure, and incurable items. Construction cost data shall include cost data source, date of estimate or date of publication of cost manual, section and page reference of cost manual, copies of cost estimate if provided from another source, replacement or reproduction cost method used, and supporting calculations including worksheets or spreadsheets.
17. Subject property leasing and operating cost history, including all items of income and expense.
18. Analysis and conclusion of the larger parcel for partial taking appraisals. For partial taking appraisals, Appraisal Specifications generally apply to the larger parcel rather than an ownership where the larger parcel is not the entire ownership.
19. Include a copy of a recent preliminary title report (within the past year) as an appraisal exhibit. Discuss the title exceptions and analyze the effect of title exceptions on fair market value.
20. For appraisals of partial takings or easements, a detailed description of the taking or easement area including surface features and topography, easements, encumbrances or improvements including levees within the subject partial take or easement, and whether the take area is characteristic of the larger parcel. Any characteristics of the taking area, including existing pre-project levees that render the take area different from the larger parcel shall be addressed in the valuation.
21. Opinion of highest and best use for the subject property, based on an in-depth analysis supporting the concluded use which includes the detail required by the complexity of the analysis. Such support typically requires a discussion of the four criteria of tests utilized to determine the highest and best use of a property. If alternative feasible uses exist, explain and support market, development, cash flow, and risk factors leading to an ultimate highest and best use decision.
22. All approaches to market value applicable to the property type and in the subject market. Explain and support the exclusion of any usual approaches to value.
23. Map(s) showing all comparable properties in relation to the subject property.
24. Photographs and plat maps of comparable properties.
25. In-depth discussion of comparable properties, similarities and differences compared to the subject property, adjustments to the comparable data, and discussion of the reliability and credibility of the data as it relates to the indicated subject property value. Improved comparable sales which are used to compare to vacant land subject properties shall include an allocation between land and improvements, using methodology similar to methodology used in item 16 above to estimate improvement value when possible, with an explanation of the methodology used.
26. Comparable data sheets.
  - a. For sales, include information on grantor/Grantee, sale/recordation dates, listed or asking price as of the date of sale, highest and best use, financing, conditions of sale, buyer motivation, sufficient location information (street address, post mile, and/or distance from local landmarks such as bridges, road intersections, structures, etc.), land/site characteristics, improvements, source of any allocation of sale price between land and improvements, and confirming source.
  - b. For listings, also include marketing time from list date to effective date of the appraisal, original list price, changes in list price, broker feedback, if available.
  - c. For leases, include significant information such as lessor/lessee, lease date and term, type of lease, rent and escalation, expenses, size of space leased, tenant improvement allowance, concessions, use restrictions, options, and confirming source. When comparing improved sales to a vacant land subject, the contributory value of the improvements shall be segregated from the land value.



27. For appraisals of easements, a before and after analysis of the burden of the easement on the fee, with attention to how the easement affects highest and best use in the after condition. An Easement Valuation Matrix or generalized easement valuation references may be used ONLY as a reference for a secondary basis of value.
28. For partial taking and easement appraisals, valuation of the remainder in the after condition and analysis and identification of any change in highest and best use or other characteristics in the after condition, to establish severance damages to the remainder in the after condition, and a discussion of special and general benefits, and cost to cure damages or construction contract work.
29. There are occasions where properties involve water rights, minerals, or salable timber that require separate valuations. If an appraisal assignment includes water rights, minerals, or merchantable timber that requires separate valuation, the valuation of the water rights, minerals, or merchantable timber shall be completed by a credentialed subject matter specialist.
30. For partial taking and easement appraisals, presentation of the valuation in California partial taking acquisition required format.
31. Implied dedication statement.
32. Reconciliation and final value estimate. Include analysis and comparison of the comparable sales to the subject, and explain and support conclusions reached.
33. Discussion of any departures taken in the development of the appraisal.
34. Signed Certification consistent with the language found in Uniform Standards of Professional Appraisal Practice.
35. If applicable, in addition to the above, appraisals of telecommunication sites shall also provide:
  - a. A discussion of market conditions and trends including identification of the relevant market, a discussion of supply and demand within the relevant market area and a discussion of the relevant market factors impacting demand for site acquisition and leasing within the relevant market area.
  - b. An analysis of other leases comparable to subject property. Factors to be discussed in the analysis include the latitude, longitude, type of tower, tower height, number of rack spaces, number of racks occupied, placement of racks, power source and adequacy, back-up power, vault and site improvements description and location on site, other utilities; access, and road maintenance costs.

**EXHIBIT K**

**INFORMATION NEEDED FOR ESCROW PROCESSING AND CLOSURE**

The Grantee shall provide the following documents to the State Project Representative during the escrow process. Property acquisition escrow documents shall be submitted within the term of this Grant Agreement and after a qualified appraisal has been approved.

- Name and Address of Title Company Handling the Escrow
- Escrow Number
- Name of Escrow Officer
- Escrow Officer's Phone Number
- Dollar Amount Needed to Close Escrow
- Legal Description of Property Being Acquired
- Assessor's Parcel Number(s) of Property Being Acquired
- Copy of Title Insurance Report
- Entity Taking Title as Named Insured on Title Insurance Policy
- Copy of Escrow Instructions in Draft Form Prior to Recording for Review Purposes
- Copy of Final Escrow Instructions
- Verification that all Encumbrances (i.e., Liens, Back Taxes, and Similar Obligations) have been Cleared Prior to Recording the Deed to Transfer Title
- Copy of Deed for Review Purposes Prior to Recording
- Copy of Deed as Recorded in County Recorder's Office
- Copy of Escrow Closure Notice

## **EXHIBIT L**

### **Project Monitoring Plan Guidance**

#### **Introduction**

For each project contained in Exhibit A, please include a brief description of the project (maximum ~150 words) including project location, implementation elements, need for the project (what problem will the project address) and responds to the requirements listed below.

#### **Project Monitoring Plan Requirements**

The Project Monitoring Plan shall contain responses to the following questions:

- What are the anticipated project physical benefits?
- What are the corresponding numeric targets for each project benefit?
- How will proposed numeric targets be measured?
- What are baseline conditions?
- When will the targets be met (e.g., upon project completion, five years after completion?)
- How often will monitoring be undertaken (e.g., monthly, yearly).
- Where are monitoring point locations (e.g., meter located at..., at stream mile...)? Include relevant maps.
- How will the project be maintained (e.g., irrigation, pest management, weed abatement)?
- What will be the frequency and duration of maintenance proposed activities?
- Are there any special environmental considerations (e.g., resource agency requirements, permit requirements, CEQA/NEPA mitigation measures)?
- Who is responsible for collecting the samples (i.e., who is conducting monitoring and/or maintenance)?
- How, and to whom, will monitoring results be reported (e.g., paper reports, online databases, public meetings)?
- What adaptive management strategies will be employed if problems are encountered during routine monitoring or maintenance?
- What is the anticipated life of the project?

**FIRST AMENDMENT  
PROPOSITION 1 SUB-GRANTEE AGREEMENT  
BY AND BETWEEN  
COUNTY OF HUMBOLDT  
AND  
GOLD RIDGE RESOURCE CONSERVATION DISTRICT  
FOR FISCAL YEARS 2021-2021 THROUGH 2024-2025**

This First Amendment to the Sub-grantee Agreement dated February 3, 2021 by and between the County of Humboldt, a political subdivision of the State of California, hereinafter referred to as “COUNTY,” and Gold Ridge Resource Conservation District, a special district of the State of California, hereinafter referred to as “SUB-GRANTEE,” is entered into this 14th day of September, 2021.

WHEREAS, COUNTY has agreed to receive grant funding from the California Department of Water Resources (“DWR”) pursuant to Proposition 1 Integrated Regional Water Management Implementation Grant Agreement No. 4600013820, dated December 11, 2020 (“Proposition 1 Implementation Agreement”), by and between the County and DWR.

WHEREAS, SUB-GRANTEE is one (1) of several parties intended to receive an allocation of grant funding from COUNTY pursuant to said Proposition 1 Implementation Agreement (“Grant Funds”) for the provision of services pertaining to the Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project (“Project”) as set forth in the Proposition 1 Implementation Agreement; and

WHEREAS, the parties acknowledge that COUNTY intends to merely administer the distribution of Grant Funds pursuant to the Proposition 1 Implementation Agreement and SUB-GRANTEE intends to complete all other aspects of the Project set forth in both the Proposition 1 Implementation Agreement, including all subsequent amendments by and between the COUNTY and DWR and the Sub-grantee Agreement by and between the COUNTY and SUB-GRANTEE entered into on February 3, 2021; and

WHEREAS, the parties acknowledge that COUNTY is relying on SUB-GRANTEE’s performance hereunder in order for COUNTY to comply with its obligations under the Proposition 1 Implementation Agreement; and

WHEREAS, the parties now desire to amend certain provisions of the Sub-Grantee Agreement in order to modify the scope of work and budget contained in Exhibit A Work Plan, and Exhibit B of Exhibit A – Proposition 1 Implementation Agreement (“Exhibits A & B”),

NOW THEREFORE, the parties mutually agree as follows:

1. The Sub-grantee Agreement is hereby amended to delete Exhibits A & B and replace it in its entirety with the modified version of Exhibits A & B that are attached hereto and incorporated herein by reference. The modified versions of Exhibits A & B attached hereto shall supersede any and all prior versions thereof as of the effective date of this First Amendment.
2. Except as modified herein, the Sub-grantee Agreement dated February 3, 2021 shall remain in full force and effect. In the event of a conflict between the provisions of this First Amendment and the original Professional Services Agreement the provisions of this First Amendment shall govern.

IN WITNESS WHEREOF, the parties hereto have entered into this First Amendment as of the first date written above.

**GOLD RIDGE RESOURCE CONSERVATION DISTRICT:**

By: Brittany Jensen

Date: September 9, 2021

Name: Brittany Jensen

Title: Executive Director

**COUNTY OF HUMBOLDT:**

By: Thomas K. Mattson

Date: 9/14/21

Thomas K. Mattson, Public Works Director  
(Pursuant to the Authority delegated by the  
Humboldt County Board of Supervisors on  
August 27, 2019, Item No. 19-85)

**LIST OF EXHIBITS:**

Exhibits A & B – Work Plan and Budget

## EXHIBIT A

### WORK PLAN

#### PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT

#### Grant Administration

##### IMPLEMENTING AGENCY: Humboldt County

**DESCRIPTION:** The Regional Water Management Group authorized Humboldt County to act as the applicant and the Grantee for the Proposition 1, Round 1 IRWM Implementation Grant. Humboldt County will administer these funds and respond to DWR's reporting and compliance requirements associated with the grant administration. This office will act in a coordination role: disseminating grant compliance information to the project managers responsible for implementing the projects contained in this agreement, obtaining and retaining evidence of compliance (e.g., CEQA/NEPA documents, reports, monitoring compliance documents, labor requirements, etc.), obtaining data for progress reports from individual project managers, assembling and submitting progress reports to the State, coordinating all invoicing and payment of invoices, and provide project status updates to North Coast Regional Partnership (NCRP) leadership at quarterly meetings, attend staff meetings, and provide project information to working groups, as necessary.

#### Task 1 Budget Category (a): Project Administration

##### Task 1.A: Agreement Administration

Humboldt County will respond to DWR's reporting and compliance requirements associated with the grant administration and will coordinate with the project managers responsible for implementing the projects contained in this agreement.

##### Task 1.B: Invoicing

Humboldt County will be responsible for compiling invoices for submittal to DWR. This includes collecting invoice documentation from each of the Local Project Sponsors and compiling the information into a DWR Invoice Packet.

##### **Deliverables:**

- Invoices and associated backup documentation
- Advanced Payment documentation as per Paragraph 9 (if applicable)

##### Task 1.C: Reporting

Humboldt County will be responsible for compiling progress reports for submittal to DWR. Humboldt County will coordinate with Local Project Sponsor staff to retain consultants as needed to prepare and submit progress reports and final project completion reports for each project, as well as the grant completion report.

Reports will meet generally accepted professional standards for technical reporting and the requirements terms of the agreement with DWR outlined in Exhibit F of this Agreement. For example, progress reports will explain the status of each project and will include the following information: summary of the work completed for the project during the reporting period; activities and milestones achieved; and accomplishments and any problems encountered in the performance of work. Project completion reports will include: documentation of actual work done, changes and amendments to each project, a final schedule showing actual progress versus planned progress, and copies of final documents and reports generated during the project.

##### **Deliverables:**

- Quarterly Progress Reports

- Grant Completion Report

## **PROJECT 1: Water Storage Project**

### **IMPLEMENTING AGENCY: Blue Lake Rancheria (BLR)**

**PROJECT DESCRIPTION:** Blue Lake Rancheria (BLR) will construct a concrete pad and install approximately 250,000 gallons of water storage capacity steel tank with necessary water and power connections to complete its water distribution system, partially funded through a 2017 Bureau of Reclamation (BOR) WaterSMART grant and an American Recovery and Reinvestment Act of 2009 (ARRA)-funded groundwater well. This water storage project, as a component of the larger Smart Water Grid project, will help insure an uninterrupted and affordable water supply for the BLR. The project will provide approximately 21.5-acre feet per year of storage for the BLR.

### **Task 1.1 Budget Category (a): Project Administration**

#### Task 1.1.A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 1.1.B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports. Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. Prepare Report addressing Humboldt County/DWRs comments. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 1.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 1.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 1.3.A: Feasibility Studies

Project Feasibility Studies and an engineering report will be completed as part of the project development process. Feasibility study will be limited to determination of feasibility of location for water tank in conjunction with other planned construction on BLR Tribal Lands.

#### **Deliverables:**

- Feasibility Study Report
- Engineering Report

#### Task 1.3.B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).



**Deliverables:**

- All completed CEQA and NEPA documents as required
- Legal Challenges Letter

**Task 1.3.C: Permitting**

No permits are anticipated.

**Task 1.3.D: Design**

Complete preliminary design including the following supporting work: geotechnical investigation, topographic survey, and basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary earthwork calculations, preliminary design details for tank foundation, preliminary design details for and 100% (Final) design, plans, and specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 1.3.E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 1.4 Budget Category (d): Construction/Implementation****Task 1.4.A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

**Task 1.4.B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Perform project monitoring according to the Project Performance Monitoring Plan to track project performance and project benefits. Project monitoring reporting will be included minimally as part of the Project Completion Report.

**Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 1.4.C: Construction

Construction activities are outlined below.

1.4.C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Site will be cleared and all needed materials will be staged as needed. Design and install a DWR Acknowledgement Sign in an appropriate location

1.4.C(ii): Construction: Construct a concrete pad. Using engineered foundation designs appropriate for selected water tank, construct concrete pad. To be completed by selected contractor after advertised to bid following BLR's procurement procedures.

1.4.C(iii): Installation: Install one 250,000 gallon bolted steel tank. To be completed by selected contractor after advertised to bid following BLR's procurement procedures.

1.4.C(iv): Installation: Water and power connections will be completed in-house by BLR's construction team.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 2: Water Supply Enhancement Project**

### **IMPLEMENTING AGENCY: BriceLand Community Services District (BCSD)**

**PROJECT DESCRIPTION:** Major components of the project include: a 25,000 gal raw water tank plumbed to supply water to both the water treatment system and storage tanks; 2,200 ft of 6-inch diameter water line connecting the fire suppression water storage tanks to the town fire hydrant network; water transmission line improvements including mechanical float, gate, pressure and air relief valves, pressure gauges, flow meters; site fencing for the slow sand filtration and water storage facilities; a low water level and high flow alarm system; a 140 square foot (approximately) structure to house the new alarm system/equipment; and a flow controlled chlorine injector.

The benefits of the project include: Reduced water shortages; increased water supply reliability, and enhanced firefighting capabilities by increased water storage volume to 43,000 gallons.

### **Task 2.1 Budget Category (a): Project Administration**

#### Task 2.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 2.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to Humboldt County for review and inclusion in a progress report to be submitted to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 2.2 Budget Category (b): Land Purchase/Easement**

#### Task 2.2A: Land Purchase

The new raw water storage tank included as part of this proposed project will be sited on a nearby property (requiring the purchase of approximately 0.5 – 1 acres of land).

#### **Deliverables:**

- Documentation supporting property value (if purchased)
- All relevant documentation regarding property ownership transfer or acquisition of easement including final recorded deed, title report, etc.

### **Task 2.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 2.3A: Feasibility Studies – Not applicable

**Task 2.3B: CEQA Documentation**

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

**Task 2.3C: Permitting**

All appropriate permits shall be secured for the project from the local and regional agencies having jurisdiction over the project, which may include: Humboldt County building and grading permits, and CDFW 1602 permit.

**Deliverables:**

- Permits as required

**Task 2.3D: Design**

Develop a set of final design plans and specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 2.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 2.4 Budget Category (d): Construction/Implementation****Task 2.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 2.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Throughout the duration of the project, BCSD will perform project monitoring according to the

Project Performance Monitoring Plan to track project performance and project benefits, which will be included as part of the Project Completion Report.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 2.4C: Construction**

Construction activities are outlined below.

2.4C(i): Mobilization and Site preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

2.4C(ii): Install, construct, excavate: The selected contractor will complete the following activities: site exclusion fencing; temporary signage; erosion control; clearing and grubbing; site grading; installation of approximately 2,200 site piping; tank foundation construction; 25,000 gallon tank erection; tank disinfection and installation of cathodic protection; new system controls and valving; water transmission line upgrades; construction of control and operations building; fence the water treatment site; design and install a DWR Acknowledgement Sign in an appropriate location.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

### **PROJECT 3: California Street Sewer Replacement**

#### **IMPLEMENTING AGENCY: City of Ferndale**

**PROJECT DESCRIPTION:** The City replaced a small portion of the sewer section on California Street in 2017, this project will replace approximately 1,600 feet of the remaining sewer mains and laterals to the property line of the residences. Add two manholes and bollards to protect manholes on California Street. The project will reduce the inflow and infiltration entering the system by approximately 80,000 to 100,000 gallons per day (GPD).

#### **Task 3.1 Budget Category (a): Project Administration**

##### Task 3.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

##### **Deliverables:**

- Invoices and associated backup documentation

##### Task 3.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

##### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

#### **Task 3. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

#### **Task 3.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

##### Task 3.3A: Feasibility Studies – Not applicable

##### Task 3.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

##### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

##### Task 3.3C: Permitting

Obtain County Encroachment Permit.

##### **Deliverables:**

- Permits as required

#### Task 3.3D: Design

Complete site survey and preliminary design including the basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary design details for and 100% (Final) design, plans, and specifications.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 3.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 3.4 Budget Category (d): Construction/Implementation**

#### Task 3.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 3.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

#### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 3.4C: Construction

Construction activities are outlined below.

3.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Inspect project components and establish that work is complete. Verify that all project

components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

3.4C(ii): Site preparation will include: Design and install DWR acknowledgement project sign at an appropriate location.

3.4C(iii): Install, construct, excavate: Install approximately 1,600-feet of 12-inch sewer, two manholes, and bollards to protect manholes.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

### **IMPLEMENTING AGENCY: City of Willits**

**PROJECT DESCRIPTION:** The project will replace a 30 horsepower (hp) pump in the primary “Elias Replacement” Well with a 70 hp pump to increase water capacity to approximately 1.9 million gallons per day (MGD). The 30 hp pump and controls will be re-installed in the secondary “Long 20” Well. Both pumps will include installation of upgraded power supplies. Approximately 3,650-feet of pipe connecting the wells to the treatment plant will be upgraded. With both wells running through the water treatment plant there will be approximately 192,000 gallon per day increase in water capacity to the distribution system.

### **Task 4.1 Budget Category (a): Project Administration**

#### Task 4.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 4.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager’s comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 4.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 4.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 4.3A: Feasibility Studies – Not applicable

#### Task 4.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 4.3C: Permitting

Obtain necessary permits which may include: Regional Water Board 401 Certification and US Army Corps of Engineers 404 Certification.

**Deliverables:**

- Permits as required

**Task 4.3D: Design**

Develop final plans for pipeline replacement and connection to Long 20 Well.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 4.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 4.4 Budget Category (d): Construction/Implementation**

**Task 4.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 4.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 4.4C: Construction**

Construction activities are outlined below.

4.4C(i): Mobilization, Site preparation, and Demobilization: Initiate project site preparation and mobilize project: perform preparatory work and operations including that necessary for the movement of personnel,

equipment, supplies, and videotaping, specific shop drawing submittals, and incidentals to the project site. Establish any temporary facilities and the submission of the final construction schedule. Order project equipment and supplies assure project permits are in place and conduct pre-project site photo-monitoring. Design and install DWR acknowledgement sign at an appropriate location.

4.4C(ii): Pilot Testing: Conduct pilot tests to determine the current groundwater treatment plant's capacity to remove arsenic from the Long 20 well.

4.4C(iii): Install, construct, excavate: The 30-hp pump and controls from the Elias Replacement Well will be moved to the Long 20 Well. A 70-hp pump would then be installed at the Elias Replacement Well. Both pumps will include upgraded power supplies. The pipeline replacement consists of excavation of an estimated 3,650-foot trench for the new pipeline, installation of an estimated 8-inch C900 PVC pipe from the junction with the existing 8-inch pipeline at the North End of the pond to the Elias Replacement well, with inclusion of a "T" junction for a pipeline to Long 20 Well, and construction of valve stations at the each end and the "T" junction, followed by backfill and compaction of the populated trench.

**Deliverables:**

- Pilot Testing Technical Memorandum
- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 5: Covelo Community Services District, Collection System and Wastewater Treatment Plant Improvements**

### **IMPLEMENTING AGENCY: Covelo Community Services District (CCSD)**

**PROJECT DESCRIPTION:** The Covelo CSD Collection System and Wastewater Treatment Plant (WWTP) Improvements project aims to reduce approximately 0.144 million gallons per day (MGD) of wet weather Inflow & Infiltration by upgrading the existing wastewater collection system. The project includes replacement of approximately 727 Linear Feet of sewer mains, approximately 16 laterals and 2 manholes. The project also includes a new enclosure for ozone equipment. On top of the new enclosure the project will include solar panels that will be designed to provide all the power the WWTP requires on an average day.

### **Task 5.1 Budget Category (a): Project Administration**

#### Task 5.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 5.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 5.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 5.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 5.3A: Feasibility Studies – Not applicable

#### Task 5.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 5.3C: Permitting

Tasks may include: Preparation of Building and Electrical Permits, which will need to be acquired from Mendocino County for the ozone canopy and addition of solar. Prepare Caltrans Encroachment Permit.

**Deliverables:**

- Permits as required

**Task 5.3D: Design**

Engineer to prepare 100% bid ready Plans and Specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 5.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 5.4 Budget Category (d): Construction/Implementation**

**Task 5.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 5.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 5.4C: Construction**

Construction activities are outlined below.

5.4C(i): Equipment mobilization; site preparation, including: clearing, grubbing, minor site grading, and erosion control. Temporary signage

5.4C(ii): Install, construct, excavate: Replacement of collection system sections and components in various priority areas; new canopy and solar over existing ozone equipment. Replace approximately 727 Linear Feet sewer main lines, approximately 16 laterals, replace 2 manholes and seal around the pipe penetrations on approximately 2 other existing manholes.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

### **IMPLEMENTING AGENCY: Del Norte County Service Area (CSA) No. 1**

**PROJECT DESCRIPTION:** Install onsite emergency power (generator) on approximately eleven lift stations; each generator will be structurally reinforced, protected to withstand weather, vandalism, and supplied with a fuel tank and an automated switch to respond to power failures. Each of the generators will be connected to the new SCADA (remote monitoring) system, reducing the potential for sanitary sewer overflows during power outages and providing water service without disruption for approximately 3,500 single-family connections.

#### **Task 6.1 Budget Category (a): Project Administration**

##### Task 6.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

##### **Deliverables:**

- Invoices and associated backup documentation

##### Task 6.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

##### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

#### **Task 6.2 Budget Category (b): Land Purchase/Easement**

Not applicable

#### **Task 6.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

##### Task 6.3A: Feasibility Studies – Not applicable

##### Task 6.3B: CEQA Documentation

A Notice of Exemption was filed on February 19, 2019. Prepare letter stating no legal challenges (or addressing legal challenges).

##### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

##### Task 6.3C: Permitting

A Building Permit is required from the Building Inspection Division of the County of Del Norte. The Building Permit will include the generator building, electrical connections and transfer switch, propane tank and connections, and mounting each generator at each station.

**Deliverables:**

- Permits as required

**Task 6.3D: Design**

Develop plans and specifications for the structures to protect generators, generators, and fuel sources at each lift station and/or portable generator storage building.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 6.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 6.4 Budget Category (d): Construction/Implementation**

**Task 6.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. Bid project to obtain construction contractor(s). CSA may desire to split the project into three construction contracts: (1) generator structures, (2) fuel source, (3) generators and transfer switches.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 6.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 6.4C: Construction**



Construction activities are outlined below.

6.4C(i): Mobilization, Site preparation and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Project will be at approximately 11 lift station locations; the same DWR acknowledgement sign may be moved amongst all locations.

6.4C(ii): Install, construct: Construct up to 11 generator structures (one at each lift station) and rehabilitate portable generator storage building on APN 120-280-011, as funding allows. Install up to 11 generators and 11 transfer switches (one at each lift station) and/or purchase portable generators, as funding allows.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

### **IMPLEMENTING AGENCY: Eel River Watershed Improvement Group (ERWIG)**

**PROJECT DESCRIPTION:** This project will increase salmonid habitat in Kenny Creek through the instream placement of approximately 28 Large Woody Debris (LWD) structures along an approximately 1.1 miles long stream reach. The project will be accomplished by purchasing logs and uprooting trees with rootwads from areas in which the stream canopy will not be affected. Logs and logs with rootwads will be placed by an excavator. After log placement, the California Conservation Corps (CCC) will anchor the logs to live trees and to each other. Upon construction completion, all exposed soil will be mulched and 400 conifer seedlings will be planted. All work will be supervised by the ERWIG project manager. This project will result in a dramatic increase in suitable habitat for salmonids. Habitat improvements include velocity refugia, increased shelter, deeper pools, and increased spawning habitat. This project will also result in a long-term increase in carbon sequestration with the planting of 400 conifers. This project's primary benefit is approximately 3.28 acres of habitat restoration.

### **Task 7.1 Budget Category (a): Project Administration**

#### Task 7.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 7.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 7.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 7.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 7.3A: Feasibility Studies – Not applicable

#### Task 7.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required

- Legal Challenges Letter

#### Task 7.3C: Permitting

Submit an LSAA application to CDFW, pay required fee. Work with the Regional Water Quality Control Board and Army Corp of Engineers to obtain 401 certification and 404 permits.

#### **Deliverables:**

- Permits as required

#### Task 7.3D: Design

Create final design plans based on existing conditions in year of construction.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 7.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 7.4 Budget Category (d): Construction/Implementation**

#### Task 7.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents as required

#### Task 7.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

#### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 7.4C: Construction

Construction activities are outlined below.

7.4C(i): Prepare Site and Mobilize Project: Initiate project site preparation; assure project permits are in place; remove fish from excavator crossing; conduct pre-project site photo-monitoring. Design, purchase and install DWR acknowledgement sign at project site.

7.4C(ii): Tool & Material Purchasing: Purchase materials for project, including, but not limited to: anchoring tools, anchoring hardware, logs and field supplies. Landowner will donate approximately 70 logs to the project. ERWIG will donate rebar, nuts and plates.

7.4C(iii): Install, construct, excavate: Site construction of 28 LWD structures will begin with wood placement by excavator. When appropriate, a tree faller will selectively cut down trees from the riparian area to fall into the creek. Move LWD into position using a grip hoist come along. Use one-inch threaded rebar to anchor logs to mature riparian trees, and each other. Conduct photo monitoring of construction.

7.4C(iv): Improve: Purchase and plant 400 conifers; mulch exposed soil.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 8: Fieldbrook Glendale Community Services District Water Tank Seismic Retrofit Project**

### **IMPLEMENTING AGENCY: Fieldbrook Glendale Community Services District (FGCSD)**

**PROJECT DESCRIPTION:** The Project will replace an existing redwood tank with a new 400,000 gallon bolted steel water tank. The new tank would be constructed to modern seismic standards, including ASCE 7 code for a critical facility. This Project will eliminate the risk of the tank and foundation failing and the associated damage and loss of water, wastewater, and fire service. The project will provide 400,000 gallons of increased water supply reliability.

### **Task 8.1 Budget Category (a): Project Administration**

#### Task 8.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 8.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 8. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 8.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 8.3A: Feasibility Studies – Not applicable

#### Task 8.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 8.3C: Permitting

The only permit anticipated for this project is a grading permit. Under this task, the District will develop the application package and submit to the County.

**Deliverables:**

- Permit(s) as required

**Task 8.3D: Design**

Complete geotechnical investigations, and surveying. Complete final engineering design.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 8.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 8.4 Budget Category (d): Construction/Implementation****Task 8.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 8.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 8.4C: Construction**

Construction activities are outlined below.

8.4C(i): Mobilization and Demobilization: Equipment mobilization, clearing, grubbing, minor site grading, erosion control. Install temporary signage and develop and enforce a traffic control plan.

8.4C(ii): Install, construct: Installation of site piping, tank foundation construction, 400,000 gallon tank erection, tank disinfection and installation of cathodic protection and telemetry. Water tank shop drawing approval, manufacture, and delivery.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

### **IMPLEMENTING AGENCY: Gold Ridge Resource Conservation District (GRRCD)**

**PROJECT DESCRIPTION:** Through a partnership this project will develop and implement a pilot rebate and training program to promote household-level water storage through rainwater catchment. Partners will assist rebate applicants with onsite project scoping, system design, implementation oversight, and system verification and monitoring, with barrel rebates provided on a tiered, per-gallon basis designed to incentivize both large and small systems, anticipated to facilitate construction of approximately 30-60 small (<2,500-gallon) and 10-20 large (>2,500 gallon) systems during this pilot phase. Additional construction of rainwater catchment systems will be completed through cost share sources. Actual breakdown of rebates between small and large systems will depend on program participation. The partners will also create and promote a training module through the Qualified Water-Efficient Landscapers (QWEL) program, in both English and Spanish, anticipated to conduct trainings to certify approximately 30 licensed landscapers in rainwater catchment permitting, design, and installation. A second workshop series will target approximately 40 participants, providing instruction and technical assistance to assist residents and/or small businesses to install smaller barrel systems on their own. This project will increase water supply reliability by approximately 100,000 gallons per year and increase instream flow for environmental purposes.

### **Task 9.1 Budget Category (a): Project Administration**

#### Task 9.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 9.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 9. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 9.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 9.3A: Project Outreach

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.

#### Task 9.3B: QWEL Rainwater Training Module Development



Develop and produce a bi-lingual training module to certify licensed landscapers through the Qualified Water Efficient Landscaping Program on the design and installation of rainwater catchment systems.

**Deliverables:**

- Copy of module

**Task 9.3C: CEQA Documentation**

Submitted a Notice of Exemption to the State Clearinghouse and County of Sonoma Clerk on July 30, 2020. Submitted a letter stating no legal challenges (or addressing legal challenges) on September 9, 2020.

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

**Task 9.3D: Permitting**

- No permits required.

**Task 9.3E: Design**

Provide technical assistance and develop designs for at least 10-20 large-scale (>2,500 gallon) rainwater catchment systems for residences, schools, and small businesses, while providing technical assistance for at least 30-60 small-scale (<2,500 gallon) systems landowners can implement themselves.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 9.3F: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 9.4 Budget Category (d): Construction/Implementation**

**Task 9.4A: Construction Administration**

Access for project implementation will be granted by rebate program applicants, who will sign an agreement specifying terms of participation. This task includes answering requests for information, documenting of pre-construction conditions, and notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- System Plans (Typical)

**Task 9.4B: Construction/Implementation**

Construction/Implementation activities are outlined below.

9.4B(i): Rainwater Catchment System Construction Assistance: Provide technical assistance, construction oversight, post-construction verification, and rebates for approximately 10-20 large-scale (>2,500 gallon) rainwater catchment systems for residences, schools, and small businesses, while and approximately 30-

60 small-scale (<2,500 gallon) systems landowners can implement themselves. Construction of rainwater catchment tanks will be implemented through cost share sources.

9.4B(ii): QWEL Rainwater Training Workshops: Conduct workshop(s) for approximately 30 licensed landscapers to receive QWEL certification in rainwater catchment design and construction

9.4B(iii): Small-Scale Residential Rainwater Systems Workshops: Conduct workshop(s) for approximately 40 people providing instruction on the design and installation of small-scale (<2,500-gallon) systems that landowners can install themselves.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2
- Summaries and map of systems constructed
- Workshop attendance sheets and materials

## **PROJECT 10: Ranney Collector 2 Rehabilitation Project**

### **IMPLEMENTING AGENCY: Humboldt Bay Municipal Water District (HBMWD)**

**PROJECT DESCRIPTION:** HBMWD is working on a phased rehabilitation of 4 Ranney Collectors installed along the banks of the Mad River and replacement of all the laterals in all of the collector wells. HBMWD has successfully completed rehabilitation on Collectors 1 and 3. This project includes the rehabilitation of Collector 2. Three or four new stainless-steel laterals will be projected from the existing caisson. Cores will be cut through the sides of the existing caisson so the new laterals can be projected out horizontally into the surrounding aquifer. The project benefits include: increased water supply reliability for 36,000 households; 10% increased groundwater recharge; fish habitat improvement with lower water temperatures along 75 miles of the Mad River; avoided water quality treatment costs (\$5 million); carbon emissions reductions of 37.4 tons/year.

### **Task 10.1 Budget Category (a): Project Administration**

#### Task 10.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 10.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 10.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 10.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 10.3A: Feasibility Studies

Project Feasibility Studies were completed as part of the project development process. Includes modeling, lateral location recommendations and development water disposal plan.

#### **Deliverables:**

- Feasibility Study Report

#### Task 10.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

**Task 10.3C: Permitting**

Obtain Streambed alteration agreement or consultation with CDFW regarding applicability. Obtain a Low Threat Discharge Permit or NPDES Permit from Regional Board or consultation regarding applicability.

**Deliverables:**

- Permits as required

**Task 10.3D: Design**

Install geophones or review previous investigations to map bedrock locations & assess subsurface geology. Complete preliminary design including the following supporting work: geotechnical investigation, topographic survey, and basis of design report (BOD). The BOD will provide the overall project concept for use in development of final design, plans and specifications including: preliminary earthwork calculations, preliminary design details for tank foundation, preliminary design details for and 100% (Final) design, plans, and specifications. 100% plans and specifications will be supplied to all interested parties for review and comment.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 10.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 10.4 Budget Category (d): Construction/Implementation**

**Task 10.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 10.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing

change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 10.4C: Construction**

Construction activities are outlined below.

10.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Assess flow in existing laterals and total flow drawdown to establish baseline. Design and install DWR acknowledgement sign in visible location.

10.4C(ii): Site preparation will include: Dewatering and control of water.

10.4C(iii): Install, construct, excavate: Purchase and Install (8) Valves on Existing Laterals. Furnish, Install, and Develop 12" Diameter Type 304 Stainless Steel Laterals. Furnish and Install up to 4 12" diameter steel gate valves on new laterals.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

**PROJECT 11: Lewiston Community Services District Water Distribution System Replacement Project****IMPLEMENTING AGENCY: Lewiston Community Services District (LCSD)**

**PROJECT DESCRIPTION:** This project will replace its distribution system within the Lewiston Park Subdivision. The project includes installation of approximately 12,450 feet of water main and appurtenances, replacement of approximately 105 service connections, reconnection of approximately 9 fire hydrants, and installation of approximately three new fire hydrants. The project also includes relocation of approximately 17 service connections and completing Well 8 by installing a well building, connecting the well to the distribution system, and installing power and electrical controls at the well location with another funding source.

Upon completion of the Project, LCSD will have increased the reliability of their water supply and distribution system by reducing the approximately 16,000 gallons per day of unaccounted for water loss. The secondary benefits include increase instream flow of approximately 5.84 million gallons per year. Furthermore, a completely sealed distribution system will allow for increased pressure and flows enhancing firefighting capabilities, as well as protecting the health and safety of the public.

**Task 11.1 Budget Category (a): Project Administration**Task 11.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

**Deliverables:**

- Invoices and associated backup documentation

Task 11.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

**Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

**Task 11.2 Budget Category (b): Land Purchase/Easement**

Not applicable.

**Task 11.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**Task 11.3A: Feasibility Studies – Not applicableTask 11.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 11.3C: Permitting

Tasks may include: A standard encroachment permit for improvements within a street right-of-way shall be secured to accommodate all construction activities for the project. Contractor to complete a Storm Water Pollution Prevention Plan to submit to North Coast Regional Water Quality Control Board.

#### **Deliverables:**

- Permits as required

#### Task 11.3D: Design

Develop a set of final design plans and specifications ready to put out to bid. The plans and specifications will conform to all necessary requirements stipulated by the District and regulatory agencies to ensure a high-quality product.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 11.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 11.4 Budget Category (d): Construction/Implementation**

#### Task 11.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

#### Task 11.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Observe project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified. Conduct project photo monitoring. Prepare field reports.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 11.4C: Construction**

Construction activities are outlined below.

11.4C(i): Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Complete pre-construction staking of the new water main. Design and install DWR Acknowledgement sign as per agreement.

11.4C(ii): Install, construct, excavate: Installation of approximately 12,450 feet of water main. Reconnection of approximately 105 service connections and relocation of approximately 17 service connections. Reconnection of approximately 9 Fire Hydrants and installation of 3 fire hydrants.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

### **IMPLEMENTING AGENCY: Mattole Restoration Council**

**PROJECT DESCRIPTION:** Summer and winter rearing habitat for juvenile salmon and steelhead will be improved within the lower two miles of the Mattole River by creating approximately 1,200 feet of slough/alcove, installing approximately 12,000 feet of willow baffles (includes 7,000 feet using non-DWR funds), and planting approximately 8,000 riparian trees (includes 4,000 trees using non-DWR funds) and approximately 2,000 wetland plants.

The project will have multiple long-term benefits for riparian habitat and water quality, as established riparian vegetation will slow floodplain turnover, store sediment and rack wood, and increase channel heterogeneity. The project will provide fishery improvement of approximately 8,700 smolts per year.

### **Task 12.1 Budget Category (a): Project Administration**

#### Task 12.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 12.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 12. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 12.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 12.3A: Feasibility Studies – Not applicable

#### Task 12.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All necessary CEQA documents as required
- No Legal Challenges Letter

**Task 12.3C: Permitting**

The project will require a SWRCB 401, Army Corps 404 permitting, Coastal Commission Negative Determination, NMFS Section 7 permitting, CDWF 1602 permitting for 2018 Middle Slough and Riparian work and CDWF 1602 permitting to be completed for Middle Slough and Riparian work.

**Deliverables:**

- Permits as required

**Task 12.3D: Design**

100% Design Plans for Middle Slough Restoration and Lower Mattole Riparian Enhancement Plan.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 12.3E: Project Planning**

Meet with Mattole Technical Advisory Committee (TAC) pre-project; Meet with Humboldt County Public Works to coordinate willow baffle installation with Lighthouse Road flood protection; Pre-Project Drone images and photo points.

**Deliverables:**

- Pre-project drone imagery

**Task 12.3F: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 12.4 Budget Category (d): Construction/Implementation****Task 12.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

**Task 12.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. Construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Meet with Mattole Technical Advisory Committee (TAC) post-project

**Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 12.4C: Construction

Construction activities are outlined below.

12.4C(i): Mobilization and Site preparation: Initiate project site preparation and mobilize project: order project equipment and supplies; assure project permits are in place; and mobilize tools, pumps, tool storage, security, and safety equipment to project site. Create a project sign describing work and acknowledging DWR and install at Mattole Estuary Overlook.

12.4C(ii): Middle Slough Restoration: Survey and stake slough channel; Clear vegetation and excavate approximately 1,200 ft. of historic slough channel, install approximately 25 large wood habitat features; de-watering during construction.

12.4C(iii): Riparian & In-Stream Restoration & Bank Stabilization: Remove and truck approximately 100 whole trees from 2 acre encroached grassland to in-stream, riparian and bank stabilization sites; grade and install native seed at removal/grassland restoration sites; install trees and approximately 12,000 ft. of willow baffles; irrigation, native seed and mulching; install approximately 10,000 native plants at Middle Slough and Riparian sites. Complete post-project drone images.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 13: Water System Improvements Project**

### **IMPLEMENTING AGENCY: Newell County Water District (NCWD)**

**PROJECT DESCRIPTION:** The project will include cleaning and blasting the interior of a 100,000 gallon tank, structural evaluation of the tank currently to identify any new defects, welding repair of all structural defects, repainting the tank interior, spot blast and prime spot corrosion on exterior, paint new final coat on tank exterior to match the 2009 water storage tank, and minor electrical repairs. The goal of the project is to double the existing storage capacity of the water system in an effort to comply with California Code of Regulations (CCR) section 64554 where water systems with less than 1,000 service connections shall provide storage capacity equivalent to max day demand (MDD). Newell's MDD is 400,000-gallons per day, therefore the existing storage is only 25% of the required storage. This project will help the NCWD work towards compliance with California Waterworks Standards. The project benefits include increased water supply storage capacity of 100,000 gallons for 310 connections and lead contamination reduction for approximately 725 people.

### **Task 13.1 Budget Category (a): Project Administration**

#### Task 13.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 13.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 13. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 13.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 13.3A: Electrical Control System Evaluation

Conduct electrical testing and evaluation.

#### **Deliverables:**

- Electrical Testing Results and Recommendations

#### Task 13.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 13.3C: Permitting

Permits are not anticipated to be required.

Task 13.3D: Design

Develop a Project Manual which will provide the overall project concept for use in development of final design, drawings and specifications including: preliminary design details for and 100% (Final) design, drawings, and specifications. The Project Manual includes all documents needed for the project to be suitable for public bidding including front-end legal documents as well as technical specifications and project drawings.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 13.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 13.4 Budget Category (d): Construction/Implementation**

Task 13.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 13.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

### Task 13.4C: Construction

Construction activities are outlined below.

13.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Contractor will mobilize equipment to site and prepare site for start of work. Design and install a DWR Acknowledgement Sign in an appropriate location.

13.4C(ii): Install, construct, excavate: Remove existing failed tank coatings, evaluate structural integrity of tank, implement structural repairs, repaint tank interior and exterior. Electrical and/or control system improvements depending upon findings of electrical evaluation.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 14: Pacific Reefs Water District Water Tank Replacement**

### **IMPLEMENTING AGENCY: Pacific Reefs Water District (PRWD)**

**PROJECT DESCRIPTION:** The project will install at minimum, a 35,000 gallon “Glass fused to Steel” water storage tank and retain the two 5,000 gallon plastic water tanks (originally installed as a temporary measure). The new tank will be plumbed into the existing system with the two existing 5,000 gallon plastic tanks, which together, will provide a year-round reliable water supply to PRWD's water distribution system. The project consists of the following components: Remove old redwood water tank and concrete pad (to be done by PRWD), install foundation pad for new tank, install new water tank , and install associated plumbing, electrical and control equipment to tie into PRWD's existing system. The project will provide at least 35,000 gallons of increased water supply reliability.

### **Task 14.1 Budget Category (a): Project Administration**

#### Task 14.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 14.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 14.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 14.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 14.3A: Feasibility Studies – Not applicable

#### Task 14.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 14.3C: Permitting

The project is located within the County jurisdiction of the coastal zone. Under this task, a coastal development permit will be developed for the project including application development, county coordination, and permit fees. This task includes an updated evaluation of biological resources at the site in support of the permit development. The District will complete a Mendocino County building permit application, submit to the County, and respond to questions.

**Deliverables:**

- Permits as required

Task 14.3D: Design

The PRWD is anticipating a turnkey storage tank provider to complete a majority of the tank design as well as installation. PRWD will submit a Basis of Design Package. This would include a site survey, geotechnical evaluation for the tank foundation design, and technical specifications.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 14.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 14.4 Budget Category (d): Construction/Implementation**

Task 14.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 14.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings



#### Task 14.4C: Construction

Construction activities are outlined below.

14.4C(i): Mobilization and Demobilization: Equipment mobilization, clearing, grubbing, minor site grading, erosion control. Temporary signage. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Develop information necessary to support the Project Completion Report.

14.4C(ii): Install, construct, excavate: Installation of site piping, tank foundation construction, tank erection, tank disinfection and installation of cathodic protection and telemetry. Water tank shop drawing approval, manufacture, and delivery.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 15: Sanctuary Forest Drought and Emergency Water Project**

**IMPLEMENTING AGENCY:** Sanctuary Forest Inc.

**PROJECT DESCRIPTION:** The purpose of the Sanctuary Forest Drought and Emergency Water Project is to build resilience against climate change, drought and the threat of wildfire. This project will provide salmonid habitat protection while addressing human water needs, security, and public health in the severely disadvantaged Mattole headwaters community of Whitethorn.

One approximately 350,000 gallon water tank will be installed for emergency water storage along with connection to an existing permitted well and piping to a fire hydrant accessible by water and fire trucks. The Whitehorn Elementary school filtration system will be installed in the existing filtration shed in cooperation with the school and State Water Resources Control Board (SWRCB) Division of Drinking Water. Coordinated water management will be implemented through community wide streamflow alerts and forbearance program notices. The project provides benefits of approximately 350,000 gallons per year of expanded water storage capacity and improved fish habitat and passage resulting from forbearance during low stream flows.

### **Task 15.1 Budget Category (a): Project Administration**

#### Task 15.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 15.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 15. 2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 15.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 15.3A: Feasibility Studies – Not applicable

#### Task 15.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 15.3C: Permitting

Upon completion of the design phase for the emergency water storage system building, grading and encroachment permit applications will be submitted to the County of Humboldt along with engineered plans and fees.

##### **Deliverables:**

- Permits as required

#### Task 15.3D: Design

Development of final design plans for the emergency storage and school filtration will include engineering and survey subcontractors and staff time to ensure project design plans meet objectives, incorporate partner input and ensure that project meets all necessary requirements.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 15.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 15.4 Budget Category (d): Construction/Implementation**

#### Task 15.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents as required

#### Task 15.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

##### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 15.4C: Construction

Construction activities are outlined below.

15.4C(i): Mobilization, Site Preparation, and Demobilization: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Project signage will include acknowledgement of funders and conservation & education signage. Additional signage will be installed to discourage dumping and encourage community protection of the site and water project. DWR funding Acknowledgement signage will also be installed at the Whitethorn School.

15.4C(ii): Emergency Water System: Install one approximately 350,000 gallon water tank along with connection to an existing permitted well and piping to a fire hydrant accessible by water and fire trucks. Implementation will include construction of a 2 ft. minimum depth gravel and sand tank pad. Engineered perimeter foundations with hold-downs will be installed. The steel tank will then be assembled onsite and liners will be installed. Plumbing will include installation of a submersible pump in the existing well along with 1.5 inch diameter pipe to connect the well. Tank will be connected to a fire hydrant with 6 inch diameter pipe. Electricity to power the pump will be provided by electrical power drop from PG&E.

15.4C(iii): Whitethorn School Filtration System: Replace existing drinking water filtration system within an existing shed at the Whitethorn School. An engineer approved filtration unit will be designed, fabricated and installed by a water filtration company. Additionally, up to 2 ozone units will be installed in the raw water storage to prevent bacterial growth.

15.4C(iv): Coordinate community water management through: flow alerts, landowner notices to assign pumping days and forbearance periods, administration of group 1600 agreement with CDFW, technical assistance and water rights reporting and streamflow monitoring and flow tracking needed for community water management. Staff tasks will include all of the above plus data input and maintaining records of all activities.

#### **Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project**

### **IMPLEMENTING AGENCY: Scott River Watershed Council**

**PROJECT DESCRIPTION:** The purpose of the project is to decrease fire risk to humans, the ecosystem, and the City of Etna Water system while improving forest health and reducing Greenhouse Gas (GHG) production; decrease sediment inputs to high value anadromous spawning and rearing streams, supporting ongoing restoration efforts for state and federally listed Southern Oregon Northern California Coho Salmon.

The project includes three components: Kidder Creek Road Restoration, utilizing existing road surveys, 10 high and medium road sites will be treated to reduce sediment production; Ruffey Gap Treatment Area, 65 acres of young, overstocked stands within a 200 foot ridge corridor will be thinned and, remove post-harvest slash and downed material from prior owner logging activities on 100 acres, materials will be slash ground or piled and burned; and Sniktaw Fuel Retreatment, overgrown shaded fuel breaks on 166 acres along Sniktaw Creek will be manually retreated with slash chipped or ground.

The expected project benefits include improved water quality, fire risk reduction to humans and City of Etna water system infrastructure and the ecosystem, climate change mitigation benefits, improved conditions for salmonids, communities and support for Tribal Cultural Values. The project benefits include approximately 23,232 tons per year of sediment reduction and 63 acres of habitat restoration.

### **Task 16.1 Budget Category (a): Project Administration**

#### Task 16.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 16.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 16.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 16.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 16.3A: Feasibility Studies – Not applicable

#### Task 16.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

Task 16.3C: Permitting

All appropriate permits shall be secured for the project from California Department of Fish and Wildlife (CDFW) and North Coast Regional Water Quality Control Board (NCRWQCB) through CDFW Timber review Group. Acquire: CDFW Lake and Streambed Alteration Agreement (LSAA) if determined to be necessary, North Coast Regional Water Control Board (NCRWQB) 401 and Waste Discharge Permit; Army Corp of Engineers (ACOE) 404.

**Deliverables:**

- Permits as required

Task 16.3D: Design

Landowner has completed fuel load density surveys, road inventory and developed plans and specs for road improvements and addressing water quality issues related to land use and road construction and maintenance. Final Design /Plans will be completed as part of the project development process.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

Task 16.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 16.4 Budget Category (d): Construction/Implementation**

Task 16.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents as required

Task 16.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 16.4C: Construction**

Construction activities are outlined below.

16.4C(i): Mobilization and Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of the construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

16.4C(ii): Kidder Creek Road Restoration: Approximately 10 sites per Klamath National Forest Road Sediment Survey and Inventory (RSSI) will be treated with a range of road treatments per design and engineering for drainage and stream crossing sites to prevent sediment. Road out sloping, road dips, improved drainage ditches and culvert replacement are treatment options.

16.4C(iii): Ruffey Gap Thinning & Forest Treatment: Approximately 100' each side ridge road of hazardous fuels reduction and forest health improvement by thinning, piling and burning. Thinning along a strategic ridge road.

16.4C(iv): Ruffey Gap Fuels Reduction: Remove post-harvest slash and downed material from prior owner logging activities on 100 acres. Pile and burn material and or mechanical mastication.

16.4C(v): Sniktaw Fuel Reduction: Approximately 166 acres of understory vegetation will be removed from previously treated areas by grinding or chipping of slash material.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 17: Water System Emergency Generator Project**

### **IMPLEMENTING AGENCY: Smith River Community Services District**

**PROJECT DESCRIPTION:** The Smith River Community Services District (District) provides water to approximately 1,500 customers. The District's water source is from four 40-foot wells that are set back approximately 100 feet from Rowdy Creek. The well pumps move water to a series of five pump stations and eventually eight water storage tanks within the District. The project will add one permanently mounted up to 125 kW generator at the main control building and well site and up to three permanent or mobile generators at the high priority pump stations where no mounted generators exist currently. These locations were identified to be critical infrastructure. The Project will mitigate for loss of power during severe storms (including high winds), earthquakes, fires, and floods and will enhance staff safety by not requiring employees to work during unsafe storm conditions. The project provides benefits of approximately 128,400 gallons per year of increased water supply reliability and improved fire suppression reliability.

### **Task 17.1 Budget Category (a): Project Administration**

#### Task 17.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 17.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 17.2 Budget Category (b): Land Purchase/Easement**

- Not applicable

### **Task 17.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 17.3A: Feasibility Studies – Not applicable

#### Task 17.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter



**Task 17.3C: Permitting**

Obtain required permits which may include: Coastal Development Permit from the Coastal Commission and Generator Permit from the North Coast Unified Air Quality Management District.

**Deliverables:**

- Permits as required

**Task 17.3D: Design**

The Project Design task consists of all work necessary to develop construction implementation documents including the final design plans, technical specifications, and opinion of probable construction cost for up to three water systems emergency generators located outside the Main Control Building Site. Standard assumptions will be used for seismic analysis and the small nature of the infrastructure results in very little to no need for surveying to develop a biddable plan set.

**Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

**Task 17.3E: Project Monitoring Plan**

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

**Deliverables:**

- Project Monitoring Plan

**Task 17.4 Budget Category (d): Construction/Implementation****Task 17.4A: Contract Services**

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

**Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 17.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 17.4C: Construction**

Construction activities are outlined below.

17.4C(i): Mobilization and Demobilization: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Submittals for schedule and traffic control will be submitted, reviewed, and approved prior to the start of work. Construction equipment mobilization to the site is anticipated to coincide to when the generators and propane tanks will arrive. Design and install a DWR Acknowledgement Sign in an appropriate location. This task includes the required documentation, reports, notices, drawings, and monitoring to complete the project. The project team would prepare final project closeout documents including photographs, observation logs, submittals and meeting notes. In addition, a Notice of Completion would be prepared for approval by the District and submitted to the County for Recording. The project team would prepare and transmit Record Drawings (As-builts) to the District, incorporating any noted changes, change orders or other changes deemed necessary and provide hard copies. Demobilization, including final site cleanup, punch list completion and removal of equipment from the site.

17.4C(ii): Site preparation will include equipment mobilization, public notification, traffic control planning, clearing, grubbing, minor site grading, and erosion control. Temporary signage for traffic control will also be installed.

17.4C(iii): Install, construct, excavate: This task is for construction of the project by a licensed contractor. The project may include minor grading for generator and tank pads, fuel line and electrical conduit trenching, and electrical system modifications. Construction is expected to take 6 months and the following items may be executed: Secure generators and fuel tanks for installation including shop drawing approval, manufacture, and delivery; concrete pad installation; fuel lines and conduit installation; generator and fuel tank installation, start up and testing.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

**PROJECT 18: South Fork Trinity River - Spring Run Chinook Salmon Restoration Project - Phase II****IMPLEMENTING AGENCY: Watershed Research and Training Center (WRTC)**

**PROJECT DESCRIPTION:** The project's goal is to increase wild spring-run Chinook populations. Instream whole tree placement is the primary method for achieving this goal. The project would utilize two unique techniques to place whole trees in the South Fork Trinity River (SFTR). The primary method would use a helicopter to place whole trees at strategic locations throughout an approximately 15-mile reach of the upper SFTR. The second method would utilize a road based mobile cable yarding system to tip whole trees that are too large to be carried by helicopter, into the river channel.

Strategic placement of whole trees will help provide the necessary reach-scale thermal resiliency for wild spring-run Chinook to migrate through and hold in the SFTR, as well as promote the habitat complexity required by juvenile spring Chinook for successful rearing and emigration. The project will provide benefits of approximately 15 miles of stream restoration and increase of approximately 249,500 cubic feet in cold water refugia for salmon.

**Task 18.1 Budget Category (a): Project Administration**Task 18.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

**Deliverables:**

- Invoices and associated backup documentation

Task 18.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

**Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

**Task 18.2 Budget Category (b): Land Purchase/Easement**

Not applicable

**Task 18.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**Task 18.3A: Feasibility Studies – Not applicableTask 18.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

**Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 18.3C: Permitting

Appropriate permits shall be secured for the project as per final design.

#### **Deliverables:**

- Permits as required

#### Task 18.3D: Design

Complete land/topographic survey work needed for project design. Complete geomorphic and hydrologic investigation to inform project design/plans. Complete biological inventory work needed for project design. Complete forest inventory and mapping needed for harvest design. Develop a set of final design plans and specifications. The plans and specifications will conform to all necessary requirements to ensure a high-quality product.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 18.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 18.4 Budget Category (d): Construction/Implementation**

#### Task 18.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

#### **Deliverables:**

- Bid Documents as required

#### Task 18.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

#### **Deliverables:**

- Certificate of Completion
- Record Drawings

#### Task 18.4C: Construction

Construction activities are outlined below.

18.4C(i): Prepare Project Site: Initiate project site preparation; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

18.4C(ii): Tree Harvest: Source trees; tree identification, inventory, mark, and map. Utilize foresters and Licensed Timber Operator to ensure compliance. Initiate construction. Mobilization of equipment for tree harvest. Conduct project construction photo-monitoring.

18.4C(iii): Tree tipping/yarding: Initiate project construction with contractor. Utilize a road based mobile cable yarding system to tip whole trees that are too large to be carried by helicopter, into the river channel. Mobilize yarder units. Keep daily records of construction activities, inspection, and progress; conduct project construction photo-monitoring; construct project components

18.4C(iv): Tree placement: Initiate project construction. Use a helicopter to place whole trees at strategic locations throughout an approximately 15-mile reach of the upper SFTR. Keep daily records of construction activities, inspection, and progress; conduct project construction photo-monitoring; construct project components, Mobilization/Demobilization and Fuel Staging, Heli-Loading of Wood - Flight Time, Technical Coordination /Oversight/Management, Quality Control and Engineering Support, and Supplies and Travel.

18.4C(v): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

## **PROJECT 19: Sewer Improvements Project**

### **IMPLEMENTING AGENCY: Weaverville Sanitary District**

**PROJECT DESCRIPTION:** The project will involve replacement of existing 6 inch sanitary sewer lines identified by the Weaverville Sanitary District (District) as failing or problematic due to root balls or blockages and ranked by the District in terms of greatest need. Zone 1. Lower Barbara - Pipe lining, pipe bursting, or open trench replacement of approximately 700 feet of existing 6-inch Transite pipe installed in 1957. Zone 2. Timber Ridge Road to Syphon - Pipe bursting or open trench replacement of approximately 800 feet of existing 6 inch Transite pipe installed circa 1970. Depending on the findings from closed circuit television inspection and the ultimate contractor bids received for this project, complete replacement of Zone 2 may not be possible.

The project will include repair or replacement of approximately 1,300-feet of gravity sewer pipe. The project will provide benefits of reduced possibility of approximately 1.5 MGD during peak wet weather conditions of sewage leaking into surface and groundwater resources and improved recharge of groundwater basins from subsurface flow prevented from entering sewer.

### **Task 19.1 Budget Category (a): Project Administration**

#### Task 19.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 19.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 19. 2 Budget Category (b): Land Purchase/Easement**

#### Task 19.2A: Land Purchase

Research/acquire record maps, prepare legal descriptions, obtain preliminary title reports, get property appraisal, and acquire land and/or easements. If it is determined no easements exist, assuming a 10-foot permanent easement to be established along the alignments in Zones 1 and 2, approximately 0.5 acres of easement will need to be acquired.

#### **Deliverables:**

- Documentation supporting property value (if purchased)

- All relevant documentation regarding property ownership transfer or acquisition of easement including final recorded deed, title report, etc.

### **Task 19.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 19.3A: Feasibility Studies – Not applicable

#### Task 19.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

##### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 19.3C: Permitting

Tasks may include: Develop and submit an encroachment permit for all construction activities within Trinity County Right of Way.

##### **Deliverables:**

- Permits as required

#### Task 19.3D: Design

Develop a Project Manual which will provide the overall project concept for use in development of final design, drawings and specifications including: preliminary design details for and 100% (Final) design, drawings, and specifications. The Project Manual includes all documents needed for the project to be suitable for public bidding including front-end legal documents as well as technical specifications and project drawings.

##### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 19.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

##### **Deliverables:**

- Project Monitoring Plan

### **Task 19.4 Budget Category (d): Construction/Implementation**

#### Task 19.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

##### **Deliverables:**

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

**Task 19.4B: Construction Administration**

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 19.4C: Construction**

Construction activities are outlined below.

19.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring. Contractor will mobilize equipment to site and prep site for start of work. Design and install a DWR Acknowledgement Sign in an appropriate location

19.4C(ii): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring.

19.4C(iii): Install, construct, excavate: Installation or rehabilitation of approximately 1,300-feet of gravity sewer lines.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2



## **PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

### **IMPLEMENTING AGENCY: Yurok Tribe**

**PROJECT DESCRIPTION:** The Yurok Tribe will conduct a number of high priority road and associated stream crossing improvements within the Blue Creek Sanctuary to protect and enhance water quality, increase watershed resiliency to climate change impacts, promote increased community safety (i.e. improve a primary flood & fire evacuation route, improve our ability to manage wildland fires), and help ensure effective Tribal management of vitally important water, wildlife, and forest resources in the Sanctuary. Major components include: drainage improvements, mass wasting prevention, sediment reduction, and erosion control measures along approximately 14 miles of forest roads and replacing/improving approximately 12 water crossings for 100-year flow events.

The project will provide benefits of approximately 70 tons per year of reduced sediment delivery to the watershed and avoided culvert failure.

### **Task 20.1 Budget Category (a): Project Administration**

#### Task 20.1A: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with IRWM regional manager, Humboldt County. Prepare invoices including relevant supporting documentation for submittal to DWR via Humboldt County. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

#### **Deliverables:**

- Invoices and associated backup documentation

#### Task 20.1B: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in Exhibit F of this Agreement. Submit reports to DWR.

Prepare draft Project Completion Report and submit to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in Exhibit F.

#### **Deliverables:**

- Quarterly Project Progress Reports
- Project Completion Report

### **Task 20.2 Budget Category (b): Land Purchase/Easement**

Not applicable

### **Task 20.3 Budget Category (c): Planning/Design/Engineering/Environmental Documentation**

#### Task 20.3A: Feasibility Studies – Not applicable

#### Task 20.3B: CEQA Documentation

Complete environmental review pursuant to CEQA. Prepare all necessary environmental documentation. Prepare letter stating no legal challenges (or addressing legal challenges).

#### **Deliverables:**

- All completed CEQA documents as required
- Legal Challenges Letter

#### Task 20.3C: Permitting

Task may include: 1600 Lake & Streambed Alteration Permit Application. Yurok Tribe Cultural Resources Permit Application. Yurok Tribe Environmental Quality Permit Application.

#### **Deliverables:**

- Permits as required

#### Task 20.3D: Design

Develop a Final Design which will provide the overall project concept for use in development of final design, plans and specifications including: preliminary design details for and 100% (Final) design, plans, and specifications.

#### **Deliverables:**

- Basis of Design Report
- 100% Design Plans and Specifications

#### Task 20.3E: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

#### **Deliverables:**

- Project Monitoring Plan

### **Task 20.4 Budget Category (d): Construction/Implementation**

#### Task 20.4A: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Activities necessary (as applicable) to secure a contractor and award the contract, including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. Contractor agreements must follow Yurok tribe's procurement policy, tribal employment rights ordinance, and be consistent with the State of California's requirements. This task includes requesting and obtaining bids and awarding and executing the contract and completing the lease agreements for heavy equipment needed to complete the work.

#### **Deliverables:**

- Bid Documents as required

#### Task 20.4B: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include: documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable. Activities necessary to secure rock crushing equipment, contacting vendors, request equipment availability and pricing, secure the equipment, have the equipment dispatched, and pay for the equipment services.

**Deliverables:**

- Certificate of Completion
- Record Drawings

**Task 20.4C: Construction**

Construction activities are outlined below.

20.4C(i): Mobilization and Site Preparation: Initiate project site preparation and mobilize project; order project equipment and supplies; assure project permits are in place; and conduct pre-project site photo-monitoring.

20.4C(ii): Install, construct, excavate: Replace approximately 12 culverts and upgrade them to the 100 year storm event; rock approximately 14 miles of road that will help reduce storm surface erosion on unrocked roads; demobilization and erosion prevention (post project BMPs).

20.4C(iii): Project Close Out, Inspection & Demobilization: Inspect project components and establish that work is complete. Verify that all project components have been installed and are functioning as specified will be conducted as part of construction inspection and project closeout. Conduct project completion photo monitoring. Prepare record drawings. Make sure all erosion implementation practices have been completed; demobilize equipment; make sure sub-contractor has completed all tasks; weatherize construction site.

**Deliverables:**

- Photographic Documentation of Progress
- Acknowledgement of Credit, per Standard Condition D.2

**EXHIBIT B****BUDGET****PROPOSITION 1 ROUND 1 NORTH COAST IRWM IMPLEMENTATION GRANT****AGREEMENT BUDGET SUMMARY**

	Grant Amount	Required Cost Share: Non-State Fund Source	Other Cost Share	Total Cost	Percent Cost Share
Grant Administration	\$763,200	N/A	\$0	<b>\$763,200</b>	N/A

**PROJECTS**

1	Water Storage Project	\$382,085	\$0	\$0	<b>\$382,085</b>	0%
2	Water Supply Enhancement Project	\$1,076,625	\$0	\$0	<b>\$1,076,625</b>	0%
3	California Street Sewer Replacement	\$326,750	\$0	\$0	<b>\$326,750</b>	0%
4	Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use	\$551,156	\$0	\$134,482	<b>\$685,638</b>	0%
5	Collection System and Wastewater Treatment Plant Improvements	\$750,000	\$0	\$30,000	<b>\$780,000</b>	0%
6	Onsite Emergency Power Supply for Sanitary Sewer Lift Stations	\$807,641	\$0	\$0	<b>\$807,641</b>	0%
7	Kenny Creek Instream Habitat Enhancement Project	\$176,077	\$0	\$46,830	<b>\$222,907</b>	0%
8	Water Tank Seismic Retrofit Project	\$314,744	\$0	\$944,226	<b>\$1,258,970</b>	0%
9	Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project	\$420,324	\$420,488	\$0	<b>\$840,812</b>	50%
10	Ranney Collector 2 Rehabilitation Project	\$600,000	\$0	\$3,105,750	<b>\$3,705,750</b>	0%
11	Water Distribution System Replacement Project	\$1,073,273	\$0	\$2,228,127	<b>\$3,301,400</b>	0%
12	Lower Mattole River and Estuary Enhancement Project Phase II	\$656,165	\$0	\$552,800	<b>\$1,208,965</b>	0%
13	Water System Improvements Project	\$461,607	\$0	\$0	<b>\$461,607</b>	0%
14	Water Tank Replacement Project	\$386,274	\$0	\$10,000	<b>\$396,274</b>	0%

15	Drought and Emergency Water Project	\$558,501	\$0	\$95,210	<b>\$653,711</b>	0%
16	Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project	\$632,370	\$0	\$189,438	<b>\$821,808</b>	0%
17	Water System Emergency Generator Project	\$322,445	\$0	\$0	<b>\$322,445</b>	0%
18	South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II	\$832,495	\$0	\$0	<b>\$832,495</b>	0%
19	Sewer Improvements Project	\$691,000	\$0	\$0	<b>\$691,000</b>	0%
20	Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary	\$937,268	\$0	\$1,538	<b>\$938,806</b>	0%
<b>GRAND TOTAL</b>		<b>\$12,720,000</b>	<b>\$420,488</b>	<b>\$7,338,401</b>	<b>\$20,478,889</b>	<b>2%</b>

**Grant Administration**

Implementing Agency: Humboldt County

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source	Other Cost Share	Total Cost
(a)	Project Administration	\$763,200	N/A	\$0	<b>\$763,200</b>
<b>TOTAL COSTS</b>		<b>\$763,200</b>	<b>N/A</b>	<b>\$0</b>	<b>\$763,200</b>

**PROJECT 1: Water Storage Project**

Implementing Agency: Blue Lake Rancheria

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$8,785	\$0	\$0	<b>\$8,785</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$65,000	\$0	\$0	<b>\$65,000</b>
(d)	Construction / Implementation	\$308,300	\$0	\$0	<b>\$308,300</b>
<b>TOTAL COSTS</b>		<b>\$382,085</b>	<b>\$0</b>	<b>\$0</b>	<b>\$382,085</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 2: Water Supply Enhancement Project**

Implementing Agency: Briceland Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share</b>	<b>Total Cost</b>
(a)	Project Administration	\$32,500	\$0	\$0	<b>\$32,500</b>
(b)	Land Purchase / Easement	\$52,000	\$0	\$0	<b>\$52,000</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$164,500	\$0	\$0	<b>\$164,500</b>
(d)	Construction / Implementation	\$827,625	\$0	\$0	<b>\$827,625</b>
<b>TOTAL COSTS</b>		<b>\$1,076,625</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,076,625</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 3: California Street Sewer Replacement**

Implementing Agency: City of Ferndale

Project directly serves a need of a Disadvantaged Community: **Yes**

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share</b>	<b>Total Cost</b>
(a)	Project Administration	\$5,000	\$0	\$0	<b>\$5,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$27,800	\$0	\$0	<b>\$27,800</b>
(d)	Construction / Implementation	\$293,950	\$0	\$0	<b>\$293,950</b>
<b>TOTAL COSTS</b>		<b>\$326,750</b>	<b>\$0</b>	<b>\$0</b>	<b>\$326,750</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 4: Improving Willits Water Supply Reliability and Drought Resiliency with Groundwater and Conjunctive Use**

Implementing Agency: City of Willits

Project directly serves a need of a Disadvantaged Community: Yes

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share**</b>	<b>Total Cost</b>
(a)	Project Administration	\$9,520	\$0	\$0	<b>\$9,520</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$46,120	\$0	\$0	<b>\$46,120</b>
(d)	Construction / Implementation	\$495,516	\$0	\$134,482	<b>\$629,998</b>
<b>TOTAL COSTS</b>		<b>\$551,156</b>	<b>\$0</b>	<b>\$134,482</b>	<b>\$685,638</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of City of Willits Water Enterprise Fund.

**PROJECT 5: Collection System and Wastewater Treatment Plant Improvements**

Implementing Agency: Covelo Community Services District

Project directly serves a need of a Disadvantaged Community: Yes

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share**</b>	<b>Total Cost</b>
(a)	Project Administration	\$28,700	\$0	\$0	<b>\$28,700</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$87,626	\$0	\$0	<b>\$87,626</b>
(d)	Construction / Implementation	\$633,674	\$0	\$30,000	<b>\$663,674</b>
<b>TOTAL COSTS</b>		<b>\$750,000</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$780,000</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: The Community Foundation of Mendocino County has pledged to contribute \$8,000 towards the solar panels at the WWTP and the Covelo Community Services District is able to provide up to \$22,000 towards the project.



**PROJECT 6: Onsite Emergency Power Supply for Sanitary Sewer Lift Stations**

Implementing Agency: Del Norte County Service Area No. 1

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$11,000	\$0	\$0	<b>\$11,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$12,500	\$0	\$0	<b>\$12,500</b>
(d)	Construction / Implementation	\$784,141	\$0	\$0	<b>\$784,141</b>
<b>TOTAL COSTS</b>		<b>\$807,641</b>	<b>\$0</b>	<b>\$0</b>	<b>\$807,641</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 7: Kenny Creek Instream Habitat Enhancement Project**

Implementing Agency: Eel River Watershed Improvement Group

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$7,000	\$0	\$0	<b>\$7,000</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$38,750	\$0	\$0	<b>\$38,750</b>
(d)	Construction / Implementation	\$130,327	\$0	\$46,830	<b>\$177,157</b>
<b>TOTAL COSTS</b>		<b>\$176,077</b>	<b>\$0</b>	<b>\$46,830</b>	<b>\$222,907</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: 70 landowner donated logs for the project as cost share at the rate of \$600 per log for a total of \$42,000. Eel River Watershed Improvement Group (ERWIG) has anchoring materials in stock that will be donated to the project, it has a value of \$4,830.

**PROJECT 8: Water Tank Seismic Retrofit Project**

Implementing Agency: Fieldbrook Glendale Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$12,176	\$0	\$48,704	<b>\$60,880</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$34,421	\$0	\$103,259	<b>\$137,680</b>
(d)	Construction / Implementation	\$268,147	\$0	\$792,263	<b>\$1,060,410</b>
<b>TOTAL COSTS</b>		<b>\$314,744</b>	<b>\$0</b>	<b>\$944,226</b>	<b>\$1,258,970</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: Federal Funds (FEMA).

**PROJECT 9: Rainwater Catchment Rebate and Streamflow Enhancement Pilot Project**

Implementing Agency: Gold Ridge Resource Conservation District

Project directly serves a need of a Disadvantaged Community: **No**

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$33,885	\$0	\$0	<b>\$33,885</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$166,982	\$162,876	\$0	<b>\$329,858</b>
(d)	Construction / Implementation	\$219,457	\$257,612	\$0	<b>\$477,069</b>
<b>TOTAL COSTS</b>		<b>\$420,324</b>	<b>\$420,488</b>	<b>\$0</b>	<b>\$840,812</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Cost share for the project is provided by the Gold Ridge and Sonoma RCDs through federal funding provided by the National Fish and Wildlife funding, both as grants directly to the RCD and through the Russian River Coho Water Resources Partnership ("Coho Partnership") and by Daily Acts through contracts with the Cities of Cotati, Windsor, Sebastopol, and Santa Rosa;

**PROJECT 10: Ranney Collector 2 Rehabilitation Project**

Implementing Agency: Humboldt Bay Municipal Water District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$0	\$0	\$57,000	\$57,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$41,500	\$0	\$241,500	\$283,000
(d)	Construction / Implementation	\$558,500	\$0	\$2,807,250	\$3,365,750
<b>TOTAL COSTS</b>		<b>\$600,000</b>	<b>\$0</b>	<b>\$3,105,750</b>	<b>\$3,705,750</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of HBMWD General Funds.

**PROJECT 11: Water Distribution System Replacement Project**

Implementing Agency: Lewiston Community Services District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$38,000	\$0	\$20,000	\$58,000
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$7,000	\$0	\$236,000	\$243,000
(d)	Construction / Implementation	\$1,028,273	\$0	\$1,972,127	\$3,000,400
<b>TOTAL COSTS</b>		<b>\$1,073,273</b>	<b>\$0</b>	<b>\$2,228,127</b>	<b>\$3,301,400</b>

**NOTES:** Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share consists of the State Water Resources Control Board, Drinking Water State Revolving Fund.

**PROJECT 12: Lower Mattole River and Estuary Enhancement Project Phase II**

Implementing Agency: Mattole Restoration Council

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$25,800	\$0	\$21,000	<b>\$46,800</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$22,950	\$0	\$61,800	<b>\$84,750</b>
(d)	Construction / Implementation	\$607,415	\$0	\$470,000	<b>\$1,077,415</b>
<b>TOTAL COSTS</b>		<b>\$656,165</b>	<b>\$0</b>	<b>\$552,800</b>	<b>\$1,208,965</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: California Department Fish & Wildlife Fisheries Restoration Grant Program (National Oceanic & Atmospheric Administration Funds), US Fish & Wildlife Service Coastal Program, Pacific Marine Estuary Program, Bureau of Land Management, State Coastal Conservancy.

**PROJECT 13: Water System Improvements Project**

Implementing Agency: Newell County Water District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$15,607	\$0	\$0	<b>\$15,607</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$42,000	\$0	\$0	<b>\$42,000</b>
(d)	Construction / Implementation	\$404,000	\$0	\$0	<b>\$404,000</b>
<b>TOTAL COSTS</b>		<b>\$461,607</b>	<b>\$0</b>	<b>\$0</b>	<b>\$461,607</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

**PROJECT 14: Water Tank Replacement Project**

Implementing Agency: Pacific Reefs Water District (PRWD)

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$16,880	\$0	\$0	<b>\$16,880</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$64,514	\$0	\$0	<b>\$64,514</b>
(d)	Construction / Implementation	\$304,880	\$0	\$10,000	<b>\$314,880</b>
<b>TOTAL COSTS</b>		<b>\$386,274</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$396,274</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: PRWD will be responsible for the costs of redwood tank and foundation demolition and removal.

**PROJECT 15: Drought and Emergency Water Project**

Implementing Agency: Sanctuary Forest Inc.

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$19,650	\$0	\$0	<b>\$19,650</b>
(b)	Land Purchase / Easement	\$0	\$0	\$41,160	<b>\$41,160</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$29,550	\$0	\$8,000	<b>\$37,550</b>
(d)	Construction / Implementation	\$509,301	\$0	\$46,050	<b>\$555,351</b>
<b>TOTAL COSTS</b>		<b>\$558,501</b>	<b>\$0</b>	<b>\$95,210</b>	<b>\$653,711</b>

NOTES: Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\*Other Cost Share: Sanctuary Forest funds, Southern Humboldt School District, community members and volunteers.

**PROJECT 16: Scott River Headwaters Forest Health, Fire Safety, and Water Quality Improvement Project****PROJECT 17: Water System Emergency Generator Project**

Implementing Agency: Smith River Community Services District

Project directly serves a need of a Disadvantaged Community: **Yes**

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share</b>	<b>Total Cost</b>
(a)	Project Administration	\$16,200	\$0	\$0	<b>\$16,200</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$29,950	\$0	\$0	<b>\$29,950</b>
(d)	Construction / Implementation	\$276,295	\$0	\$0	<b>\$276,295</b>
<b>TOTAL COSTS</b>		<b>\$322,445</b>	<b>\$0</b>	<b>\$0</b>	<b>\$322,445</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a DAC/EDA cost share waiver.

**PROJECT 18: South Fork Trinity River – Spring Run Chinook Salmon Restoration Project – Phase II**

Implementing Agency: Watershed Research and Training Center

Project directly serves a need of a Disadvantaged Community: **Yes**

<b>BUDGET CATEGORY</b>		<b>Grant Amount</b>	<b>Required Cost Share: Non-State Fund Source*</b>	<b>Other Cost Share</b>	<b>Total Cost</b>
(a)	Project Administration	\$33,195	\$0	\$0	<b>\$33,195</b>
(b)	Land Purchase / Easement	\$0	\$0	\$0	<b>\$0</b>
(c)	Planning / Design / Engineering / Environmental Documentation	\$93,008	\$0	\$0	<b>\$93,008</b>
(d)	Construction / Implementation	\$706,292	\$0	\$0	<b>\$706,292</b>
<b>TOTAL COSTS</b>		<b>\$832,495</b>	<b>\$0</b>	<b>\$0</b>	<b>\$832,495</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\*Received a 100% DAC/EDA cost share waiver.

**PROJECT 19: Sewer Improvements Project**

Implementing Agency: Weaverville Sanitary District

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share	Total Cost
(a)	Project Administration	\$27,000	\$0	\$0	\$27,000
(b)	Land Purchase / Easement	\$30,000	\$0	\$0	\$30,000
(c)	Planning / Design / Engineering / Environmental Documentation	\$118,000	\$0	\$0	\$118,000
(d)	Construction / Implementation	\$516,000	\$0	\$0	\$516,000
<b>TOTAL COSTS</b>		<b>\$691,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$691,000</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

**PROJECT 20: Upgrading Critical Infrastructure to Support Resource Recovery in the Blue Creek Sanctuary**

Implementing Agency: Yurok Tribe

Project directly serves a need of a Disadvantaged Community: Yes

BUDGET CATEGORY		Grant Amount	Required Cost Share: Non-State Fund Source*	Other Cost Share**	Total Cost
(a)	Project Administration	\$10,940	\$0	\$0	\$10,940
(b)	Land Purchase / Easement	\$0	\$0	\$0	\$0
(c)	Planning / Design / Engineering / Environmental Documentation	\$47,401	\$0	\$1,538	\$48,939
(d)	Construction / Implementation	\$878,927	\$0	\$0	\$878,927
<b>TOTAL COSTS</b>		<b>\$937,268</b>	<b>\$0</b>	<b>\$1,538</b>	<b>\$938,806</b>

NOTES:

Eligible costs for each Budget Category will only be approved for reimbursement and Cost Share for the work completed within the date ranges listed in Exhibit C.

\* Received a 100% DAC/EDA cost share waiver.

\*\* Other Cost Share: Yurok Cultural and Environmental Departments.