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## UPPER FEATHER RIVER IRWM PROJECT INFORMATION FORM

### UPPER FEATHER RIVER IRWM

#### PROJECT INFORMATION FORM

Please submit by 5:00 p.m. on August 3, 2015, to [UFR.contact@gmail.com](mailto:UFR.contact@gmail.com)

Please provide information in the tables below:

#### I. PROJECT PROPONENT INFORMATION

|                                                                                                        |                                                                          |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Agency / Organization</b>                                                                           | Plumas Eureka Community Services District                                |
| <b>Name of Primary Contact</b>                                                                         | Frank Motzkus, General Manager                                           |
| <b>Name of Secondary Contact</b>                                                                       | Heather Kotrc, Administrative Manager                                    |
| <b>Mailing Address</b>                                                                                 | 200 Lundy Lane, Blairsden, CA 96103                                      |
| <b>E-mail</b>                                                                                          | <a href="mailto:frmotzkus@digitalpath.net">frmotzkus@digitalpath.net</a> |
| <b>Phone</b>                                                                                           | (530) 836-1953                                                           |
| <b>Other Cooperating Agencies / Organizations / Stakeholders</b>                                       |                                                                          |
| <b>Is your agency/organization committed to the project through completion? If not, please explain</b> | Yes. Project completion will be dependent on funding.                    |

#### II. GENERAL PROJECT INFORMATION

|                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Project Title</b>                                                                                                                                  | MS-29: Water Storage Tank Replacement                                                                                                                                                                                                                                                                                                                                                      |
| <b>Project Category</b>                                                                                                                               | <input type="checkbox"/> <b>Agricultural Land Stewardship</b><br><input type="checkbox"/> <b>Floodplains/Meadows/Waterbodies</b><br><input checked="" type="checkbox"/> <b>Municipal Services</b><br><b>Water Supply/Water Quality</b><br><b>Community Water/Wastewater</b><br><input type="checkbox"/> <b>Tribal Advisory Committee</b><br><input type="checkbox"/> <b>Uplands/Forest</b> |
| <b>Project Description</b><br>(Briefly describe the project, in 300 words or less)                                                                    | Water Storage Tank Replacement<br>The Plumas Eureka CSD "Preliminary Engineering Report for the 2015 Water System Improvements" recommended the replacement of an existing 190,000-gallon storage tank due to seismic concerns and existing steel construction.                                                                                                                            |
| <b>Project Location Description</b> (e.g., along the south bank of stream/river between river miles or miles from Towns/intersection and/or address): | Work will be performed on an existing land parcel that is under a Special Use Permit issued by the United States Forest Service.                                                                                                                                                                                                                                                           |
| <b>Latitude:</b>                                                                                                                                      | 39° 47' 31.7322"                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Longitude:</b>                                                                                                                                     | 120° 38' 59.7588"                                                                                                                                                                                                                                                                                                                                                                          |

### III. APPLICABLE IRWM PLAN OBJECTIVES ADDRESSED

For each of the objectives addressed by the project, provide a one to two sentence description of how the project contributes to attaining the objective and how the project outcomes will be quantified. If the project does not address *any* of the IRWM plan objectives, provide a one to two sentence description of how the project relates to a challenge or opportunity of the Region.

| <b>Upper Feather River IRWM Objectives:</b>                                                                                                                                                                                                  | <b>Will the project address the objective?</b> | <b>Brief explanation of project linkage to selected Objective</b>                                               | <b>Quantification (e.g. acres of streams/wetlands restored or enhanced)</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Restore natural hydrologic functions.                                                                                                                                                                                                        | N/A                                            |                                                                                                                 |                                                                             |
| Reduce potential for catastrophic wildland fires in the Region.                                                                                                                                                                              | Yes                                            | New storage tank will increase available water volume in a wild fire event.                                     | Volume increase will be 210,000 gallons.                                    |
| Build communication and collaboration among water resources stakeholders in the Region.                                                                                                                                                      | N/A                                            |                                                                                                                 |                                                                             |
| Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region. | N/A                                            |                                                                                                                 |                                                                             |
| Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.                                                                                                       | Yes                                            | PECSD is a municipal service provider. A new water tank will improve the water supply now and through buildout. |                                                                             |
| Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.                                                                                                                                                   | N/A                                            |                                                                                                                 |                                                                             |
| Address economic challenges of municipal service providers to serve customers.                                                                                                                                                               | N/A                                            |                                                                                                                 |                                                                             |
| Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.                                                                                                 | N/A                                            |                                                                                                                 |                                                                             |

| <b>Upper Feather River IRWM Objectives:</b>                                                                                             | <b>Will the project address the objective?</b> | <b>Brief explanation of project linkage to selected Objective</b>                                                                                                             | <b>Quantification</b><br>(e.g. acres of streams/wetlands restored or enhanced)        |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Address water resources and wastewater needs of DACs and Native Americans.                                                              | N/A                                            |                                                                                                                                                                               |                                                                                       |
| Coordinate management of recharge areas and protect groundwater resources.                                                              | Yes                                            | Additional water storage provides greater flexibility in managing groundwater pumping from wells.                                                                             |                                                                                       |
| Improve coordination of land use and water resources planning.                                                                          | N/A                                            |                                                                                                                                                                               |                                                                                       |
| Maximize agricultural, environmental and municipal water use efficiency.                                                                | N/A                                            |                                                                                                                                                                               |                                                                                       |
| Effectively address climate change adaptation and/or mitigation in water resources management.                                          | Yes                                            | Increased water storage is beneficial for use during times of water shortages due to extended drought.                                                                        |                                                                                       |
| Improve efficiency and reliability of water supply and other water-related infrastructure.                                              | Yes                                            | Increases water storage capacity and ability of tank to withstand a major seismic event.                                                                                      | Insures the water quantity for future buildout of the Plumas Eureka CSD service area. |
| Enhance public awareness and understanding of water management issues and needs.                                                        | N/A                                            |                                                                                                                                                                               |                                                                                       |
| Address economic challenges of agricultural producers.                                                                                  | N/A                                            |                                                                                                                                                                               |                                                                                       |
| Work with counties/communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding. | Yes                                            | PECSO is prepared to work with the IRWM and the County to administer any resultant grant and see this project through to completion. We are prepared to resource accordingly. |                                                                                       |

If no objectives are addressed, describe how the project relates to a challenge or opportunity for the Region:

#### IV. PROJECT IMPACTS AND BENEFITS

Please provide a summary of the expected project benefits and impacts in the table below or check N/A if not applicable; **do not leave a blank cell**. Note that DWR encourages multi-benefit projects.

| <b>If applicable, describe benefits or impacts of the project with respect to:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>a. Native American Tribal Communities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | N/A |                                                                                                                                                                                   |
| <b>b. Disadvantaged Communities<sup>1</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | N/A |                                                                                                                                                                                   |
| <b>c. Environmental Justice<sup>2</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | N/A | PECSD ensures fair and equal services regardless of race, culture, income, or any other cultural factors. The new water storage will benefit all water users in the service area. |
| <b>d. Drought Preparedness</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | YES | Additional capacity will allow groundwater wells more “rest time” which reduces hydraulic strain on surrounding aquifer.                                                          |
| <b>e. Assist the region in adapting to effects of climate change<sup>3</sup></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | N/A |                                                                                                                                                                                   |
| <b>f. Generation or reduction of greenhouse gas emissions (e.g. green technology)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | N/A |                                                                                                                                                                                   |
| <b>g. Other expected impacts or benefits that are not already mentioned elsewhere</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | N/A |                                                                                                                                                                                   |
| <p><sup>1</sup> A Disadvantaged Community is defined as a community with an annual median household (MHI) income that is less than 80 percent of the Statewide annual MHI. DWR’s DAC mapping is available on the UFR website (<a href="http://featherriver.org/maps/">http://featherriver.org/maps/</a>).</p> <p><sup>2</sup> Environmental Justice is defined as the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation and enforcement of environmental laws, regulations and policies. An example of environmental justice benefit would be to improve conditions (e.g. water supply, flooding, sanitation) in an area of racial minorities.</p> <p><sup>3</sup> Climate change effects are likely to include increased flooding, extended drought, and associated secondary effects such as increased wildfire risk, erosion, and sedimentation.</p> |     |                                                                                                                                                                                   |

DWR encourages multiple benefit projects which address one or more of the following elements (PRC §75026(a)). Indicate which elements are addressed by your project.

|                                                                                                                                                   |     |                                                                                                                                                        |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| a. Water supply reliability, water conservation, water use efficiency                                                                             | Yes | g. Drinking water treatment and distribution                                                                                                           | Yes |
| b. Stormwater capture, storage, clean-up, treatment, management                                                                                   | N/A | h. Watershed protection and management                                                                                                                 | N/A |
| c. Removal of invasive non-native species, creation/enhancement of wetlands, acquisition/protection/restoration of open space and watershed lands | N/A | i. Contaminant and salt removal through reclamation/desalting, other treatment technologies and conveyance of recycled water for distribution to users | N/A |
| d. Non-point source pollution reduction, management and monitoring                                                                                | N/A | j. Planning and implementation of multipurpose flood management programs                                                                               | N/A |
| e. Groundwater recharge and management projects                                                                                                   | N/A | k. Ecosystem and fisheries restoration and protection                                                                                                  | N/A |
| f. Water banking, exchange, reclamation, and improvement of water quality                                                                         | N/A |                                                                                                                                                        |     |

## V. RESOURCE MANAGEMENT STRATEGIES

For each resource management strategy (RMS) employed by the project, provide a one to two sentence description in the table below of how the project incorporates the strategy. A description of the RMS can be found in Volume 2 of the 2013 California Water Plan (<http://featherriver.org/2013-california-water-plan-update/>).

| Resource Management Strategy                        | Will the Project incorporate RMS? | Description of how RMS to be employed, if applicable                                                |
|-----------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Reduce Water Demand</b>                          |                                   |                                                                                                     |
| Agricultural Water Use Efficiency                   | No                                |                                                                                                     |
| Urban water use efficiency                          | No                                |                                                                                                     |
| <b>Improve Flood Management</b>                     |                                   |                                                                                                     |
| Flood management                                    | No                                |                                                                                                     |
| <b>Improve Operational Efficiency and Transfers</b> |                                   |                                                                                                     |
| Conveyance – regional/local                         | Yes                               | System stability and efficiency improvement                                                         |
| System reoperation                                  | Yes                               | Improvement of existing operations and water facilities to meet needs more efficiently and reliably |
| Water transfers                                     | No                                |                                                                                                     |
| <b>Increase Water Supply</b>                        |                                   |                                                                                                     |
| Conjunctive management                              | No                                |                                                                                                     |
| Precipitation Enhancement                           | No                                |                                                                                                     |
| Municipal recycled water                            | No                                |                                                                                                     |
| Surface storage – regional/local                    | No                                |                                                                                                     |

| <b>Resource Management Strategy</b>         | <b>Will the Project incorporate RMS?</b> | <b>Description of how RMS to be employed, if applicable</b>                      |
|---------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------|
| <b>Improve Water Quality</b>                |                                          |                                                                                  |
| Drinking water treatment and distribution   | Yes                                      | New tank increases available water storage by 210,000 gallons (47.5 % increase). |
| Groundwater remediation/aquifer remediation | No                                       |                                                                                  |
| Matching water quality to water use         | No                                       |                                                                                  |
| Pollution prevention                        | No                                       |                                                                                  |
| Salt and salinity management                | No                                       |                                                                                  |
| Urban storm water runoff management         | No                                       |                                                                                  |
| <b>Practice Resource Stewardship</b>        |                                          |                                                                                  |
| Agricultural land stewardship               | No                                       |                                                                                  |
| Ecosystem restoration                       | No                                       |                                                                                  |
| Forest management                           | No                                       |                                                                                  |
| Land use planning and management            | No                                       |                                                                                  |
| Recharge area protection                    | No                                       |                                                                                  |
| Sediment management                         | No                                       |                                                                                  |
| Watershed management                        | No                                       |                                                                                  |
| <b>People and Water</b>                     |                                          |                                                                                  |
| Economic incentives                         | No                                       |                                                                                  |
| Outreach and engagement                     | No                                       |                                                                                  |
| Water and culture                           | No                                       |                                                                                  |
| Water-dependent recreation                  | No                                       |                                                                                  |
| Wastewater/NPDES                            | No                                       |                                                                                  |

Other RMS addressed and explanation:

**VI. PROJECT COST AND FINANCING**

Please provide any estimates of project cost, sources of funding, and operation and maintenance costs, as well as the source of the project cost in the table below.

| <b>PROJECT BUDGET</b>                                                                                                                                                                |                                                                                                                                                    |                               |                                                                                         |                                             |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------|-------------------|
| Project serves a need of a DAC?: No                                                                                                                                                  |                                                                                                                                                    |                               |                                                                                         |                                             |                   |
| Funding Match Waiver request?: No                                                                                                                                                    |                                                                                                                                                    |                               |                                                                                         |                                             |                   |
| <b>Category</b>                                                                                                                                                                      |                                                                                                                                                    | <b>Requested Grant Amount</b> | <b>Cost Share: Non-State Fund Source* (Funding Match)</b>                               | <b>Cost Share: Other State Fund Source*</b> | <b>Total Cost</b> |
| a.                                                                                                                                                                                   | <b>Direct Project Administration</b>                                                                                                               | 15,000                        | 5,000                                                                                   | 0                                           | 20,000            |
| b.                                                                                                                                                                                   | <b>Land Purchase/Easement</b>                                                                                                                      | 0                             | 0                                                                                       | 0                                           | 0                 |
| c.                                                                                                                                                                                   | <b>Planning/Design/Engineering / Environmental</b>                                                                                                 | 60,750                        | 20,250                                                                                  | 0                                           | 81,000            |
| d.                                                                                                                                                                                   | <b>Construction/Implementation</b>                                                                                                                 | 288,750                       | 96,250                                                                                  | 0                                           | 385,000           |
| e.                                                                                                                                                                                   | <b>Environmental Compliance/ Mitigation/Enhancement</b>                                                                                            | 15,000                        | 5,000                                                                                   | 0                                           | 20,000            |
| f.                                                                                                                                                                                   | <b>Construction Administration</b>                                                                                                                 | 60,750                        | 20,250                                                                                  | 0                                           | 81,000            |
| g.                                                                                                                                                                                   | <b>Other Costs</b>                                                                                                                                 | 0                             | 0                                                                                       | 0                                           | 0                 |
| h.                                                                                                                                                                                   | <b>Construction/Implementation Contingency</b>                                                                                                     | 91,500                        | 30,500                                                                                  | 0                                           | 122,000           |
| i.                                                                                                                                                                                   | <b>Grand Total (Sum rows (a) through (h) for each column)</b>                                                                                      | 531,750                       | 177,250                                                                                 | 0                                           | 709,000           |
| j.                                                                                                                                                                                   | <b>Can the Project be phased? No</b> If yes, provide cost breakdown by phases                                                                      |                               |                                                                                         |                                             |                   |
|                                                                                                                                                                                      |                                                                                                                                                    | <b>Project Cost</b>           | <b>O&amp;M Cost</b>                                                                     | <b>Description of Phase</b>                 |                   |
|                                                                                                                                                                                      | <b>Phase 1</b>                                                                                                                                     |                               |                                                                                         |                                             |                   |
|                                                                                                                                                                                      | <b>Phase 2</b>                                                                                                                                     |                               |                                                                                         |                                             |                   |
|                                                                                                                                                                                      | <b>Phase 3</b>                                                                                                                                     |                               |                                                                                         |                                             |                   |
|                                                                                                                                                                                      | <b>Phase 4</b>                                                                                                                                     |                               |                                                                                         |                                             |                   |
| k.                                                                                                                                                                                   | <b>Explain how operation and maintenance costs will be financed for the 20-year planning period for project implementation (not grant funded).</b> |                               | Service rates will be increased to meet O&M costs when needed.                          |                                             |                   |
| l.                                                                                                                                                                                   | <b>Has a Cost/Benefit analysis been completed?</b>                                                                                                 |                               | <b>No</b>                                                                               |                                             |                   |
| m.                                                                                                                                                                                   | <b>Describe what impact there may be if the project is not funded (300 words or less)</b>                                                          |                               | Loss of 190,000-gallon storage tank due to seismic activity. Community water shortages. |                                             |                   |
| *List all sources of funding.                                                                                                                                                        |                                                                                                                                                    |                               |                                                                                         |                                             |                   |
| Note: See Project Development Manual, Exhibit B, for assistance in completing this table<br>( <a href="http://featherriver.org/documents/">http://featherriver.org/documents/</a> ). |                                                                                                                                                    |                               |                                                                                         |                                             |                   |

**VIII. PROJECT STATUS AND SCHEDULE**

Please provide a status of the project, level of completion as well as a description of the activities planned for each project stage. If unknown, enter **TBD**.

| <b>Project Stage</b>                                                                   | <b>Check the Current Project Stage</b> | <b>Completed?</b> | <b>Description of Activities in Each Project Stage</b>                | <b>Planned/ Actual Start Date (mm/yr)</b> | <b>Planned/ Actual Completion Date (mm/yr)</b> |
|----------------------------------------------------------------------------------------|----------------------------------------|-------------------|-----------------------------------------------------------------------|-------------------------------------------|------------------------------------------------|
| <b>a. Assessment and Evaluation</b>                                                    | <b>XX</b>                              | Yes               | New Tank necessity identified via 2015 Preliminary Engineering Report | 2015                                      | 1 month after funding agreement                |
| <b>b. Final Design</b>                                                                 | <input type="checkbox"/>               | No                | TBD                                                                   | 2 months after funding secured            | 4 months after funding secured                 |
| <b>c. Environmental Documentation (CEQA / NEPA)</b>                                    | <input type="checkbox"/>               | No                | TBD                                                                   | 4 months after funding secured            | 6 months after funding secured                 |
| <b>d. Permitting</b>                                                                   | <input type="checkbox"/>               | No                | TBD                                                                   | 7 months after funding secured            | 8.5 months after funding secured               |
| <b>e. Construction Contracting</b>                                                     | <input type="checkbox"/>               | No                | TBD                                                                   | 8.5 months after funding secured          | 9 months after funding secured                 |
| <b>f. Construction Implementation</b>                                                  | <input type="checkbox"/>               | No                | TBD                                                                   | 9 months after funding secured            | 12 months after funding secured                |
| <b>Provide explanation if more than one project stage is checked as current status</b> |                                        |                   |                                                                       |                                           |                                                |



**IX. PROJECT TECHNICAL FEASIBILITY**

Please provide any related documents (date, title, author, and page numbers) that describe and confirm the technical feasibility of the project. See [www.featherriver.org/catalog/index.php](http://www.featherriver.org/catalog/index.php) for documents gathered on the UFR Region.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>a. List the adopted planning documents the proposed project is consistent with or supported by</b> (e.g. General Plans, UWMPs, GWMPs, Water Master Plan, Habitat Conservation Plans, TMDLs, Basin Plans, etc.).                                                                                                                                                                                                                                                                 | Plumas Eureka CSD<br>“Preliminary Engineering Report for the 2015 Water System Improvements”<br>completed by Stantec Engineering.                                                                                                                                      |
| <b>b. List technical reports and studies supporting the feasibility of this project.</b>                                                                                                                                                                                                                                                                                                                                                                                           | Preliminary Engineering Report                                                                                                                                                                                                                                         |
| <b>c. Concisely describe the scientific basis</b> (e.g. how much research has been conducted) <b>of the proposed project in 300 words or less.</b>                                                                                                                                                                                                                                                                                                                                 | The current water storage tank is vulnerable to seismic activity. In the event of tank failure, there would be devastating water shortages to the local residents and businesses. In addition the current volume of storage is insufficient for build out in the area. |
| <b>d. Does the project implement green technology</b> (e.g. alternate forms of energy, recycled materials, LID techniques, etc.).                                                                                                                                                                                                                                                                                                                                                  | No                                                                                                                                                                                                                                                                     |
| <b>e. Are you an Urban Water Supplier<sup>1</sup>?</b>                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                                                                                                                                                                                     |
| <b>f. Are you are an Agricultural Water Supplier<sup>2</sup>?</b>                                                                                                                                                                                                                                                                                                                                                                                                                  | No                                                                                                                                                                                                                                                                     |
| <b>g. Is the project related to groundwater?</b>                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                                                                                                                                                                                                                                                     |
| <sup>1</sup> Urban Water Supplier is defined as a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually.<br><sup>2</sup> Agricultural Water Supplier is defined as a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding the acreage that receives recycled water. |                                                                                                                                                                                                                                                                        |

## Climate Change – Project Assessment Checklist

This climate change project assessment tool allows project applicants and the planning team to assess project consistency with Proposition 84 plan standards and RWMG plan assessment standards. The tool is a written checklist that asks GHG emissions and adaptation/resiliency questions.

Name of project: MS-29 Water Storage Tank Replacement

Project applicant: Plumas Eureka Community Services District

## GHG Emissions Assessment

### Project Construction Emissions

*(If you check any of the boxes, please see the attached worksheet)*

- The project requires nonroad or off-road engines, equipment, or vehicles to complete.
- The project requires materials to be transported to the project site.
- The project requires workers to commute to the project site.
- The project is expected to generate GHG emissions for other reasons.
- The project does not have a construction phase and/or is not expected to generate GHG emissions during the construction phase.

### Operating Emissions

*(If you check any of the boxes, please see the attached worksheet)*

- The project requires energy to operate.
- The project will generate electricity.
- The project will proactively manage forests to reduce wildfire risk.
- The project will affect wetland acreage.
- The project will include new trees.
- Project operations are expected to generate or reduce GHG emissions for other reasons.

## Adaptation & Resiliency Assessment

### Water Supply

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water supply vulnerability issues:

- Not applicable
- Reduced snowmelt
- Unmet local water needs (drought)
- Increased invasive species

### Water Demand

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water demand vulnerability issues:

- Not applicable
- Increasing seasonal water use variability
- Unmet in-stream flow requirements
- Climate-sensitive crops
- Groundwater drought resiliency
- Water curtailment effectiveness

### Water Quality

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water quality vulnerability issues:

- Not applicable
- Increasing catastrophic wildfires
- Eutrophication (excessive nutrient pollution in a waterbody, often followed by algae blooms and other related water quality issues)
- Seasonal low flows and limited abilities for waterbodies to assimilate pollution
- Water treatment facility operations
- Unmet beneficial uses (municipal and domestic water supply, water contact recreation, cold freshwater habitat, spawning habitat, wildlife habitat, etc.)

### Flooding

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority flooding vulnerability issues:

- Not applicable
- Aging critical flood protection
- Wildfires
- Critical infrastructure in a floodplain
- Insufficient flood control facilities

### Ecosystem and Habitat

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority ecosystem and habitat vulnerability issues:

- Not applicable
- Climate-sensitive fauna or flora
- Recreation and economic activity
- Quantified environmental flow requirements
- Erosion and sedimentation
- Endangered or threatened species
- Fragmented habitat

### Hydropower

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority hydropower vulnerability issues:

- Not applicable
- Reduced hydropower output

MS 29: Water Storage Tank Replacement

**GHG Emissions Analysis**

**Project Construction Emissions**

The project requires non-road or off-road engines, equipment, or vehicles to complete. If yes:

| Type of Equipment            | Maximum Number Per Day | Total 8-Hour Days in Operation | Total MTCO <sub>2</sub> e |
|------------------------------|------------------------|--------------------------------|---------------------------|
| Other Construction Equipment | 1                      | 15                             | 1                         |
| Excavators                   | 1                      | 3                              | 1                         |
| Cranes                       | 1                      | 10                             | 8                         |
| Rough Terrain Forklifts      | 1                      | 3                              | 1                         |
|                              |                        |                                | 0                         |
|                              |                        |                                | 0                         |
|                              |                        |                                | 0                         |
|                              |                        |                                | 0                         |
|                              |                        |                                | 0                         |
|                              |                        |                                | 0                         |
| <b>Total Emissions</b>       |                        |                                | <b>11</b>                 |

The project requires materials to be transported to the project site. If yes:

| Total Number of Round Trips | Average Trip Distance (Miles) | Total MTCO <sub>2</sub> e |
|-----------------------------|-------------------------------|---------------------------|
| 10                          | 100                           | 2                         |

The project requires workers to commute to the project site. If yes:

| Average Number of Workers | Total Number of Workdays | Average Round Trip Distance Traveled (Miles) | Total MTCO <sub>2</sub> e |
|---------------------------|--------------------------|----------------------------------------------|---------------------------|
|                           |                          |                                              | <b>0</b>                  |

The project is expected to generate GHG emissions for other reasons. If yes, explain:

The project does not have a construction phase and/or is not expected to generate GHG emissions during the construction phase.

Upper Feather River IRWMP  
Project Assessment - GHG Emissions Analysis

MS 29: Water Storage Tank Replacement

**Project Operating Emissions**

The project requires energy to operate. If yes:

| Annual Energy Needed | Unit                | Total MTCO <sub>2</sub> e |
|----------------------|---------------------|---------------------------|
|                      | kWh (Electricity)   | <b>0</b>                  |
|                      | Therm (Natural Gas) | <b>0</b>                  |

The project will generate electricity. If yes:

| Annual kWh Generated | Total MTCO <sub>2</sub> e |
|----------------------|---------------------------|
|                      | <b>0</b>                  |

\*A negative value indicates GHG reductions

The project will proactively manage forests to reduce wildfire risk. If yes:

| Acres Protected from Wildfire | Total MTCO <sub>2</sub> e |
|-------------------------------|---------------------------|
|                               | <b>0</b>                  |

\*A negative value indicates GHG reductions

The project will affect wetland acreage. If yes:

| Acres of Protected Wetlands | Total MTCO <sub>2</sub> e |
|-----------------------------|---------------------------|
|                             | <b>0</b>                  |

\*A negative value indicates GHG reductions

The project will include new trees. If yes:

| Acres of Trees Planted | Total MTCO <sub>2</sub> e |
|------------------------|---------------------------|
| 0                      | <b>0</b>                  |

\*A negative value indicates GHG reductions

Project operations are expected to generate or reduce GHG emissions for other reasons. If yes, explain:

**GHG Emissions Summary**

|                                                           |                        |
|-----------------------------------------------------------|------------------------|
| Construction and development will generate approximately: | 13 MTCO <sub>2</sub> e |
| In a given year, operation of the project will result in: | 0 MTCO <sub>2</sub> e  |