

## Tuolumne Stanislaus IRWM - Project Worksheet

### Section 1

**Name of Project:**

**Project Proponent:**

**Project Contact:**

**Email:**

**Phone:**

**Project Location:** *(Include County(ies), City(ies), and Latitude and Longitude if applicable.)*

**Watershed(s) where project will be located:**

### Section 2

**Brief Project Description:** *(Insert a summary description including goals and objectives.)*

**Project Benefits:** *(Brief descriptions of the various benefits your project will have. All categories may not be applicable.)*

**Water Supply and Distribution:** *(Benefits include avoided water supply purchase costs, including those for environmental purposes, avoided costs of water supply projects, avoided water shortage costs, avoided operations and maintenance costs, or water revenue from water sales to another purveyor or third party.)*

**Water Quality:** *(Benefits may include, reduced costs of protecting, restoring, or enhancing beneficial uses, avoided water quality project costs; avoided water treatment costs; avoided wastewater treatment costs; and water supply benefits caused by water quality improvements (if not already captured as a water supply benefit), and willingness to pay for water quality improvements for drinking water, impaired water bodies and sensitive habitats.)*

**Ecosystem Improvement:** *(Ecosystem improvement includes habitat restoration, protection, or preservation, and enhancement of native fish and wildlife enhancement. Benefits measures for ecosystem improvement could include avoided costs, alternative cost of the same habitat improvement, and willingness to pay for recreation, aesthetics, or special-status species.)*

**Recreation and Public Access:** *(Recreation and public access benefits should be documented on a with-and-without-project basis. With- and without-project conditions could include the types and quality of recreational activities, amount of use such as visitor days in each activity, and value per unit of use such as unit day values.)*

**Power Cost Savings and Power Production:** *(Power cost savings and power production benefits should be based on market value of power. Document the quantity and the unit value of the power saved or produced. Include information on when the savings or production would occur (time of year, time of day), change in capacity, or other factors that influence the cost savings or production benefit.)*

**Other:** *(In general, cost savings or willingness to pay for goods and services.)*

### **Section 3**

#### **Cost and Schedule:**

All Anticipated Project Costs:

Potential Sources of Project Funding: *(Including internal funding.)*

Potential Sources of Local Match: *(Local match requirement for Proposition 84 IRWM Grant Program is 25% unless project qualifies for a Disadvantaged Communities Waiver.)*

Earliest Start Date:

Project Schedule: *(Please include a start and completion date for each project stage.)*

Conceptual:

Planning:

Environmental : *(CEQA/NEPA)*

Permitting:

Design:

Construction/Implementation:

Project Timing and Phasing: *(If the proposed project(s) is part of a multi-phased project complex, provide a description that demonstrates that the proposal can operate on a standalone basis, i.e., can be fully functional without implementation of the subsequent projects.)*

Completed Work: *(A description of the work that has been completed or is expected to be completed prior to the grant award date. For example, if CEQA/NEPA and other environmental compliance efforts have been completed discuss the environmental determination made by the lead agency and the documents that were filed.)*

### **Section 4**

***Please check each objective, priority, or preference that the proposed project meets. Descriptions will be detailed in the "Purpose and Need" section that follows.***

#### **T-S IRWM Primary Objectives:**

Improve water supply sources and/or distribution within DAC and urban areas that have declining water quantity/quality or other water system reliability issues (e.g. fire-flow, contamination, etc.)

Reduce the negative impacts of storm water, urban runoff, and nuisance water.

Reduce contamination in groundwater, natural streams, raw water conveyance systems, and reservoirs.

Improve infrastructure: to meet wastewater discharge or disposal requirements and deliver drinking water that meets drinking water standards and customer expectations.

Improve watershed health in support of increased water yield and ecosystem function.

Improve the condition and ecosystem function of meadows.

- \_ Assist in the protection and recovery of sensitive, special status, threatened, culturally sensitive, and endangered native aquatic and other water dependent species in the region.
- \_ Identify, preserve and promote the regeneration and restoration of wetlands, vernal pools, and native plant riparian habitat; and reduce invasive species.
- \_ Reduce the risk of localized flooding in urban areas.
- \_ Increase renewable energy production for water management.
- \_ Improve energy efficiency and reliability of surface water conveyance systems.
- \_ Increase current and future water use efficiency (WUE) by both municipal (residential and commercial) and agricultural end users.
- \_ Develop sufficient reliable and affordable water supplies to meet regional demands of existing and projected water supply needs under a multiyear drought now and into the future.
- \_ Improve integrated land use and natural resource planning to support watershed management actions that restore, sustain and enhance watershed functions.

**Proposition 84 Program Preferences:**

- \_ Includes Regional Projects/Programs.
- \_ Integrate water management within hydrologic region.
- \_ *Effectively resolve significant water related conflicts within or between regions.*
- \_ *Contribute to attainment or one or more objectives to CALFED.*
- \_ *Address critical water supply/quality needs of DAC.*
- \_ *Effectively integrate water management with land use planning.*
- \_ *Flood Management -projects that provide multiple benefits.*

**Proposition 84 Program Statewide Priorities:**

Drought preparedness:

- \_ Promote water conservation, conjunctive use, reuse and recycling.
- \_ Improve Landscape and Agricultural Irrigation Efficiencies.
- \_ Achieve a Long-Term Reduction of Water Use.
- \_ Efficient ground water basin management.
- \_ Establish System Interties.

Use and reuse water more efficiently:

- \_ Increase urban and agricultural water use efficiency measures such as conservation and recycling.
- \_ Capture, store, treat and use storm water runoff (such as percolation to usable aquifers, underground storage beneath parks, small surface basins, domestic storm water capture systems or the creation of catch basis or sumps downhill of development or projects outlined in PRC §30916 - Coastal Conservancy.)
- \_ Incorporate and implement low impact development (LID) design features, techniques and practices to reduce or eliminate storm water runoff.

Climate change response actions:

\_ Advance and expand conjunctive management of multiple water supply sources.

\_ Water management system modifications that address anticipated climate change impacts, such as rising sea level, and which may include modifications, or relocations of intakes or outfalls.

\_ Establish migration corridors, re-establish stream flood-plain hydrologic continuity, re-introduce anadromous fish populations to upper watersheds, and enhance and protect upper watershed forests and meadow systems.

\_ Reduce water demand and wastewater loads and may reduce energy demands & Green House Gas emissions, including water use efficiency, recycling, water system energy efficiency, and reuse of runoff.

Expand environmental stewardship:

\_ Proposals that contain projects that practice, promote, improve and expand environmental stewardship to protect and enhance the environment by improving watersheds, floodplains and Instream functions and to sustain water and flood management ecosystems.

Practice integrated flood management:

\_ Proposals that contain projects that practice, integrated flood management to provide multiple benefits including; better emergency preparedness and response, improved flood protection, more sustainable flood and water management systems, enhanced flood plain ecosystems and Low Impact Development techniques that store and infiltrate runoff while protecting groundwater.

Protect surface water and groundwater quality:

\_ Protect and restore surface water and groundwater quality to safeguard public and environmental health and secure water supplies for beneficial uses.

\_ Salt/Nutrient management planning as a component of the IRWM Plan.

Improve tribal water & natural resources:

\_ Projects that include the development and/or implementation of Tribal consultation, collaboration, and access to funding for water programs and projects to better sustain Tribal water and natural resources.

Ensure equitable distribution of benefits:

\_ Projects that increase the participation of small and disadvantaged communities in the IRWM process.

\_ Develop multi-benefit projects with consideration of affected disadvantaged communities and vulnerable populations.

\_ Projects that address critical water supply or water quality needs of Disadvantaged Communities within the Region.

**Cal Fed Primary Objectives:**

- \_ Ecosystem quality
- \_ Water supply
- \_ Water quality
- \_ Levee system integrity

## **Section 5**

### **Strength of Project**

**Purpose and Need:** *(A description of the purpose and need of the Proposal Project and how it addresses the adopted IRWM Plan's goals and objectives, Proposition 84 Program Preferences and Proposition 84 Program Statewide Priorities.)*

**Integrated Elements of Project:** *(A description of synergies or linkages between projects that result in added value or require coordinated implementation or operation. Integration can be with current projects that are being implemented, proposed projects, existing projects, etc.)*

**Existing Data and Studies:** *(A brief discussion of the data that have been collected and studies that have been performed that support the project(s) site location, feasibility, and technical methods.)*

### **Readiness to Proceed**

***Please describe the readiness to proceed of the proposed project for each category.***

1. Status of California Environmental Quality Act (CEQA):
2. Status of National Environmental Policy Act (NEPA):
3. Status of local, state, and federal permitting requirements:
4. Capacity of proponent to carry out the proposed project:
5. Feasibility analysis for the proposed project:
6. Status of necessary engineering, designs, blueprints, and work plans:
7. Status of necessary authority and approvals to implement the proposed project:
8. Status of matching funds for proposed project: