TUOLUMNE - STANISLAUS IRWM PROGRAM

PROJECT
WORKSHEET
V9.0

Revised Oct 9, 2012

This worksheet is to be completed by the proponent and submitted electronically as an PDF file to the Tuolumne – Stanislaus IRWM Program staff. E-mail completed worksheets to Sarah Laybourne with Kennedy/Jenks Consultants – sarahlaybourne@kennedyjenks.com

NOTE: ANY VERSION OF THE PROJECT WORKSHEET WILL BE ACCEPTED. THIS VERSION INCLUDES STRIKETHROUGH TO CLARIFY INSTRUCTIONS AND SOME ADDITIONAL COMMENTS FIELDS, WHICH ARE OPTIONAL.

PROJECT WORKSHEET

Section 1 – Project Information

1. Proponent: Tamarack Springs Mutual Water Company
2. Contact person(s): Wayne De Jong
   Phone - (415) 509-5675
   E-mail - wayne.dejong@att.net
3. Name of project:

   Tamarack Springs Source Improvement Project
4. County(ies) and City(ies) where the project will be implemented:

   Tamarack, Calaveras Co.
5. Watershed(s) where the project will be carried out (examples; Sullivan Creek, Littlejohn Creek, North Fork Tuolumne River, etc):

   Stanislaus
6. Federal and/or other public or private lands upon which project will be carried out. Please indicate expression of support for proposal from land-owner or manager.

   The project involves establishing a well on private property within the community. Several property owners support the project and have agreed to make land available based siting recommendations when a geological survey is performed.
7. Please provide a brief (500 words maximum in Palatino 12-point font single spaced text) narrative description of the project that includes:
   a. Statement of problem to be addressed by the project
   b. Objective(s)
   c. Design phase
   d. Deliverables
   e. Expected outcome(s)

f.Beneficiaries

g.Disadvantaged Community benefits, if applicable

h.Project partners

i.Priority of project to proponent.

The Tamarack Springs Mutual Water Co. was established in 1967 and maintains a licensed public water system that provides water to 40 properties The water system has exceeded the MCL for coliforms in 28% of the months tested in the past 5 years. One sample in 2012 also tested positive for E. coli, resulting in a boil water notice.

The system currently relies on two spring sources that are located 1900 feet uphill from the storage tanks and deliver water via unrated PVC piping. The goal of this project is to establish a new water source and delivery piping that will result in a clean feed source for domestic use. In order to improve the source water, we plan to establish a new groundwater source on private land nearer to the existing storage tanks.

In the last 10 years, water companies in adjacent areas have successfully established wells and related infrastructure to support their communities. We anticipate that this project will be equally able to obtain sufficient supply of high quality water at similar depths of 700-800 feet. The scope of the project involves a geological survey, engineering and permitting, drilling at the selected location, and establishing the necessary pumping, piping, monitoring and structures needed to deliver the water to the existing distribution system. Based on the costs incurred by the neighboring communities, we estimate that a total project cost of $90,000 will be incurred.

This project directly benefits the property owners of the Tamarack Springs subdivision. Tamarack Springs is located in census tract 5.04 of Calaveras County and has a median household income of $36,649.

This is the only project put forward at this time, and therefore has the highest priority.

8. Please provide a budget for the project that identifies the following:

   a. All anticipated costs

   $90,000

   b. Potential sources of project funding including internal funds

   The MWC has a cash flow of ~$4,000/year after operations and maintenance costs with no other cash reserves at present.

   c. Potential source(s) of 25% local match, unless the project is projected to qualify for a Disadvantaged Communities waiver.

   We plan to pursue funding from CDPH or a special assessment.

9. Earliest expected start date and estimated schedule for the project's completion. If acquisition of lands and/or easements is needed, please list and provide relative status of compliance.

   Earliest Start Date: 5/1/2013

   Project Schedule

Project Stage	Planned/Actual Start Date	Planned/Actual Completion Date
a. Conceptual	May 2013	
b. Planning	05/01/13 - 06/01/13	
c.Environmental (CEQA/NEPA)	CEQA waiver planned	
d.Permitting	07/01/13	
e.Design	concurrent with planning	
f.Construction/ Implementation	Jul - Oct 2013	

   Comments: Some aspects of the project could be initiated in 2012 if funding was available.

10. Geographic location of project (latitude and longitude - any format):

    38.439506,-120.082283

Section 2 – Project Selection Score Sheet

Note: Parts 1 through 5 of this Project Selection Worksheet are color-coded to match the corresponding parts 1 through 5 of the Project Selection Score Sheet (an excel spreadsheet file).

~~Note: If, after checking a box, a narrative or written response is requested, the project proponent is asked to provide a metric in terms of the subject matter (for example: acres, square feet, gallons, river miles, etc.).~~

Part 1. Eligibility (check all boxes that apply)

- ☑ The proponent has adopted[1] or will adopt the IRWM Plan. If this box is not checked the proponent is ineligible.[2]
- ☐ This project is being submitted by one or more organizations that are currently members of the Planning Grant Committee in compliance with the financial agreement.
- ☐ This project is being submitted by one or more organizations that are currently members of the Planning Grant Committee, but one or more of them are not in compliance with the financial agreement.
- ☑ This project is being submitted by an organization whose place of business is and/or customers or members are located within this region, but is not a member of the Planning Grant Committee.
- ☐ This project is being submitted by an organization whose place of businesses and/or customers or members are located outside this region and is not a member of the Planning Grant Committee (e.g. Interregional project)

Part 2. Please indicate which of the Tuolumne - Stanislaus IRWM Objectives this project may address.

[1] DWR Financial Assistance Branch will clarify the meaning of the term "adopted" in the final Guidelines.

[2] DWR Proposal Solicitation Package, Implementation, Round 2, July 2012, page 19

- Each checked box is worth a range of from 0 to 4 points with a total of 56 points for all of Part 2. ~~For each box checked please provide a one-sentence description explaining your answer.~~
- This represents the first category of information numerically scored on the Project Selection Score Sheet (check as many boxes as may apply):

☑ 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

Provide any additional explanation of objectives selection in this box:

☐ Improve integrated land use and natural resource planning to support watershed management actions that restore, sustain and enhance watershed functions

Part 3. Please indicate which of the Proposition 84 IRWM Program Preferences (PRC §75026[b] and CWC §10544) this proposal addresses.

- Each checked box is worth a range of from 0 to 2 points with a total of 14 points for all of Part 3. (For additional information please see DWR Draft IRWM Guidelines, pages 11-13, July 2012.)
- Part 3 represents the second category of information numerically scored on the Project Selection Score Sheet (check all boxes that apply):

☐ Is the project a regional project or program?

☐ Does the project effectively integrate water management programs and projects within a hydrologic region identified in the California Water Plan; the Regional Water Quality Control Board region, or subdivision or other region or sub-region as identified by the DWR or SWRCB?

☐ Does the project effectively resolve significant water-related conflicts within or between regions?

☐ Does the project contribute to the attainment of one or more of the objectives of the CALFED Bay-Delta Program? (Improve water quality, improve water supply reliability through storage, conveyance, water use efficiency or water transfers, improve the ecological health of the Bay-Delta Watershed)?

☑ Does the project address critical water supply or water quality needs for disadvantaged communities within the region?

☐ If applying for Storm Water Flood Management funding does the project provide multiple benefits, including but not limited to water quality improvements, ecosystem benefits, reduction in instream erosion and sedimentation and groundwater recharge? (DWR Draft IRWM Guidelines Page 11)

Part 4. Please indicate which of the Proposition 84 IRWM Program Statewide Priorities this project may address.

- Each checked box is worth a range of from 0 to 2 points with a total of 40 points for this section.

- ~~For each box checked please provide a one-sentence description justifying your answer.~~ (For more details please see DWR Draft IRWM Guidelines, Table 1, Statewide Priorities, pages 11-13, July 2012.)
- This represents the third category of information numerically scored on the project score sheet (check all boxes that apply):

Drought Preparedness through contributing to a sustainable water supply and reliability during water shortages

- ☐ 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 to help meet future water demands increase water supply and reliability and adapt to climate change

- ☐ 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 that will assess vulnerabilities as a result of climate change, adapt to climate change, reduce greenhouse gas emissions, or reduce energy consumption

- ☑ 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 and 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

Provide any additional explanation of statewide priorities selection in this box:

The current spring sources are known to fluctuate seasonally and produce little or no water in late summer during years of low snowfall. With climate change, we anticipate that these conditions will increase in frequency and severity. Establishing a new groundwater source with proven capacity will alleviate the risk to the community due to drought.

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

Part 5. Mandatory Selection Components[3].

INTEGRATION

a. Project Benefits. Please provide a brief narrative description (150 words or less.) This item is worth 0-5 points total.

Tamarack Springs is geographically isolated from other water systems in the region. As such, there is no practical opportunity for integration at this time.

b. Resource Management Strategies. Please indicate which of the of the State Water Plan's Resource Management Strategies this project may address. Please note that not all of the Resource Management Strategies have application to this IRWM Region. This item is worth a total of 0-5 points. ~~For each box checked please provide a brief description justifying your answer.~~ (check as many boxes as may apply):

[3] (DWR, July 2012 IRWM P84 Guidelines, page 19)

- ☐ Agricultural Lands Stewardship
- ☐ Agricultural Water Use Efficiency
- ☐ Conjunctive Management and Ground water storage
- ☐ Conveyance (Delta)
- ☐ Conveyance (Regional/Local)
- ☐ Desalination
- ☑ Drinking Water Treatment and Distribution
- ☐ Economic Incentives (loans, grants & water pricing)
- ☐ Ecosystem Restoration
- ☐ Flood Risk Management
- ☐ Forest Management
- ☐ Groundwater Remediation/Aquifer Remediation
- ☐ Land Use Planning and Management
- ☑ Matching Water Quality to Use
- ☐ Pollution Prevention
- ☐ Precipitation Enhancement
- ☐ Recharge Area Protection
- ☐ Recycled Municipal Water
- ☐ Salt and Salinity Management
- ☐ Surface Storage - CALFED

- ☐ Surface Storage - Regional/Local
- ☐ System Re-operation
- ☐ Urban Runoff Management
- ☐ Urban Water Use Efficiency
- ☐ Water Transfers
- ☐ Water-dependent Recreation
- ☐ Watershed Management

Provide any additional explanation of RMS selection in this box:

c. Geographic Area/Zone of Influence. Please briefly describe (150 words or less) the project's general geographic area and size and describe its beneficial zone of influence. This item is worth a total of 0-3 points.

The scope of the project is limited to the 40 properties supplied by the Tamarack Springs Mutual Water Company, an area of approximately 30 acres in total.

READINESS TO PROCEED to Implementation

Each box checked describes the project's readiness to proceed. Please note, **only** answer Item #1 **or** #2 and not both. If your project is subject to both the National Environmental Policy Act (NEPA) & the California Environmental Quality Act (CEQA) please so note in a one-sentence explanation. Each item is worth a total of 0-4 points. (Check only one box per item):

Item 1.

- ☑ The project is a project under CEQA and a final Negative Declaration has been completed, or the project is not a project under CEQA, or is otherwise exempt from CEQA (4)
- ☐ The project is a project under CEQA and an Final Environmental Impact Report has been completed (4)
- ☐ This project is a project under CEQA and CEQA compliance is anticipated to be completed within 12 months (3)
- ☐ This project is a project under CEQA and CEQA compliance is anticipated to be completed within 13 to 36 months (2)
- ☐ This project is a project under CEQA and CEQA compliance is anticipated to be completed in 37 months or more (1)
- ☐ The project is a project under CEQA and no final environmental document has been completed (0)

Item 2.

- ☐ The project is a project under NEPA and a final Finding of No Significant Impact has been completed, or the project is not a project under NEPA, or is otherwise exempt from NEPA (4)
- ☐ The project is a project under NEPA and an Final Environmental Impact Statement has been completed (4)
- ☐ This project is a project under NEPA and NEPA compliance is anticipated to be completed within 12 months (3)
- ☐ This project is a project under NEPA and NEPA compliance is anticipated to be completed within 13 to 36 months (2)
- ☐ This project is a project under NEPA and NEPA compliance is anticipated to be completed in 37 months or more (1)

- ☐ The project is a project under NEPA but no final environmental document has been prepared (0)

Item 3.

- ☐ All local, state and federal permitting requirements (if any) have been completed (4)
- ☑ All local, state and federal permitting requirements should be completed within 12 months (3)
- ☐ All local, state and federal permitting requirements should be completed within 13 to 36 months (2)
- ☐ All local, state and federal permitting requirements should be completed in 37 months or more (1)

Item 4.

- ☑ The proponent has capacity within current staff and/or consultants or volunteers to carry out the project (2)
- ☐ The proponent will have to hire staff or retain consultants or secure volunteers to carry out the project (1)

Item 5.

- ☐ Feasibility analysis for the project is complete (4)
- ☑ Feasibility analysis for the project will be complete within 12 months (3)
- ☐ Feasibility analysis for the project will be complete within 13 to 36 months (2)
- ☐ Feasibility analysis for the project will be complete in 37 months or more (1)

Item 6.

- ☐ The project has all necessary engineering, designs, blueprints and work plans completed (4)
- ☑ The project will have all necessary engineering, designs, blueprints and work plans completed within 12 months (3)

☐	The project will have all necessary engineering, designs, blueprints and work plans completed within 13 to 36 months (2)
☐	The project will have all necessary engineering, designs, blueprints and work plans completed in 37 months or more (1)

Item 7.

☐	The proponent has the necessary authority and approvals to implement the project (such as landowner approval, approval by a governing board, license, right or fee) (4)
☑	The proponent expects to have the necessary authority and approvals to implement the project (such as landowner approval, approval by a governing board, license, right or fee) within 12 months (3)
☐	The proponent expects to have the necessary authority and approvals to implement the project (such as landowner approval, approval by a governing board, license, right or fee) within 13 to 36 months (2)
☐	The proponent expects to have the necessary authority and approvals to implement the project (such as landowner approval, approval by a governing board, license, right or fee) in 37 months or more (1)

Item 8.

☑	This project qualifies as a Disadvantaged Community project and the local match may be waived (2)
☐	The proponent has secured non-state funding and/or in-kind services that will qualify for and meet the required minimum local match (2)
☐	The proponent has no non-state funding and/or in-kind services that qualifies for the required local match (0)

For informational purposes only:

☐	A feasibility analysis is a component of the proposed project
☐	The proponent has carried out similar projects in the past

STRENGTH OF THE PROJECT

Subjective Evaluation Narratives (response will be 150 words or less for each question and may be attached as a separate document). This item is worth a total of 0-13 points and is subjectively scored at one point maximum per lettered question below.

a. Will this project result in increasing local and or regional resiliency to extended drought or water supply or resolving water quality issues? If yes, please explain how.

b. Does this project address public safety and or health concerns within the Tuolumne - Stanislaus IRWM Region (Region)? Please describe.

c.Will this project contribute to the achievement of regulatory compliance within the Region? If yes, please specify regulation(s) and describe.

d. Will this project provide short-term economic benefits within this Region? If yes, please explain.

e.Will this project provide long-term economic benefits within the Region? If yes, please explain.

f. Does the project improve the condition in a natural resource within the Region? If yes, please reference resource(s) and explain.

g. Does the project provide specific benefits to critical water supply or water quality needs of a Disadvantaged Community (DAC) as defined by CWC 79505.5(a) and as listed in XXXXX of the Tuolumne-Stanislaus IRWM Plan? If so, how, and are there any Environmental Justice concerns. If non-DAC mark N/A.

h. Will this project actively involve or benefit Indian Tribes within the Region? If yes, please specify Tribe or Band and explain involvement and or benefits anticipated.

i. Will this project contribute to developing or implementing strategies to respond to climate variability on water resources within the Region? If yes, please explain.

j. Will this project reduce, directly or indirectly, greenhouse gas emissions within the Region?

k. Is this project expected to result in any significant, socio-economic, environmental, or economic impacts within the Region, which cannot be mitigated to a non-significant level? If so, briefly explain how the project would mitigate them to a non-significant level.

l. Are any benefits associated with this project outside the Region? If yes, please explain.

m. Are any significant, socio-economic, environmental, or economic impacts, outside the Region that cannot be mitigated to a non-significant level? If so, briefly explain how the project would mitigate them to a non-significant level.

Type Response(s) to Strength of Project Questions Here. Please type the letter of the question prior to each response :

a) The project described addresses the critical aspects of water supply to the Tamarack Springs community. Testing over the past 5 years has demonstrated quality issues that have increased in frequency and severity. The current water sources also show high seasonal variability in output and have already been noted to undependable during drought years. Establishing a well as the primary source of water is expected to dramatically improve both the quality and the reliable quantity available.

b) The project addresses the public safety and or health concerns demonstrated by MCL violations experienced with the current water source.

c) The project will be designed to meet all current requirements for groundwater sources and will contribute to conformance with all drinking water regulations.

g) Tamarack Springs is a geographically isolated community located within an area of low median household income. Improvement of the water quality and quantity is essential to the residents of this community.

Strength of Project Narrative - Continued

END