

Tuolumne Stanislaus IRWM - Project Worksheet

Section 1

Name of Project: Water Meter Upgrade

Project Proponent: Twain Harte Valley Mutual Water Company

Project Contact: Rich Schwarzmann

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Project Location: Twain Harte Valley subdivision, Tuolumne County, CA

Watershed(s) where project will be located: Sullivan Creek

Section 2

Brief Project Description: Replace existing service connection water meters with remote-read Neptune water meters

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

Water Supply and Distribution: Replacement of old, worn meters with remote-read meters will allow for more accurate monitoring of individual service water usage and will also allow for quicker and more accurate service leak detection and repair.

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

Section 3

Cost and Schedule:

All Anticipated Project Costs: Furnish and install Neptune remote-read ¾" water meters.

16 @ \$275 per meter plus \$50 per installation = \$5,200

Potential Sources of Project Funding: Grants

Potential Sources of Local Match: Twain Harte Valley Mutual Water Company reserve funds. *(Local match requirement for Proposition 84 IRWM Grant Program is 25% unless project qualifies for a Disadvantaged Communities Waiver.)*

Earliest Start Date: May 1, 2014

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

Conceptual: Completed

Planning: Completed

Environmental: (CEQA/NEPA) N/A

Permitting: N/A

Design: N/A

Construction/Implementation: May 1, 2014

Project Timing and Phasing: This would be the first phase of a project to install remote-read water meters on all 104 service connections in the Twain Harte Valley Mutual Water Company water system. Currently only 16 service connections are metered. This would be a stand-alone project in that it involves solely removal and replacement of existing meters.

Completed Work: N/A

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:

X_ 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.)

X_ Reduce the risk of localized flooding in urban areas.

X_ Improve energy efficiency and reliability of surface water conveyance systems.

X_ Increase current and future water use efficiency (WUE) by both municipal (residential and commercial) and agricultural end users.

X_ 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.

Proposition 84 Program Preferences:

?_ *Contribute to attainment or one or more objectives to CALFED.*

Proposition 84 Program Statewide Priorities:

Drought preparedness:

X_ Promote water conservation, conjunctive use, reuse and recycling.

X_ Achieve a Long-Term Reduction of Water Use.

Use and reuse water more efficiently:

X_ Increase urban and agricultural water use efficiency measures such as conservation and recycling.

Climate change response actions:

X_ 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: N/A

Practice integrated flood management: N/A

Protect surface water and groundwater quality: N/A

Improve tribal water & natural resources: N/A

Ensure equitable distribution of benefits: N/A

Cal Fed Primary Objectives:

X_ Water supply

Section 5

Strength of Project

Purpose and Need: This would be the first phase of a project to install remote-read water meters on all 104 service connections in the Twain Harte Valley Mutual Water Company water system. Currently only 16 service connections are metered. This would be a stand-alone project in that it involves removing and replacing existing water meters. The total project will enable the mutual water company to monitor water usage more efficiently and will increase water conservation by allowing more rapid and more effective leak detection. *(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: We plan to apply for State funding to install remote-read water meters on the remaining 88 service connections in the mutual water system. *(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: Several utility districts in Tuolumne County have converted to remote read Neptune water metering systems and report increased efficiency in the areas of man-hours expended for meter reading, consumption monitoring and leak detection. *(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): N/A
2. Status of National Environmental Policy Act (NEPA): N/A
3. Status of local, state, and federal permitting requirements: N/A
4. Capacity of proponent to carry out the proposed project: OK
5. Feasibility analysis for the proposed project: N/A
6. Status of necessary engineering, designs, blueprints, and work plans: OK
7. Status of necessary authority and approvals to implement the proposed project: OK
8. Status of matching funds for proposed project: OK

