Please submit by 17 January 2014 to AraceliCazarez@KennedyJenks.com.

Project Template

Please provide information in the tables below:

I. Project Proponent Information

Agency/ Organization	Squaw Valley Public Service District
Name of Primary Contact	Mike Geary
Name of Secondary Contact	Cindy Herbert
Mailing Address	P.O. Box 2026, Olympic Valley, CA 96146
E-mail	cherbert@svpsd.org
Phone (###)###-####	(530) 583-4692
Other Cooperating Agencies/Organizations/Stakeholders	TDPUD, NCSD, Placer County Water Agency, Placer County, Alpine Springs CWD, SV Mutual Water Co., SW Gas,
Is your agency/organization committed to the project through completion? If not, please explain	Yes

II. General Project Information

Project Title	Redundant Water Supply	
Project Category	☐ **Restoration** ☐ **Stormwater/ Flood Control** ☑ **Water Supply/ Wastewater**	
Project Description (Briefly describe the project, in 300 words or less)	The Squaw Valley Public Service District (District) is actively pursuing a project to procure redundant and supplemental water supplies for future reliability and beneficial uses of our constituents. In September 2009, the District completed the Alternative/Supplemental Water Supply and Enhanced Utilities Feasibility Study. The purpose of the study was	
Project Prioritization:	**Total number of projects submitted by your Agency:**	6
	Agency Prioritization of this project (e.g., 3 of 5)	1
Does this project contribute to a larger Project (e.g., TMDL, EIP, Phase 2 of 3) ? If so provide description.	Yes, feasibility phase completed, preferred alternative study and preliminary design funded and underway. This is the environmental and 1st construction phase of a large regional	
Political Support – List related MOUs, agreements or TACs currently in place.	Olympic Valley Groundwater Management Plan	
Project Location:		
Latitude:		
Longitude:		
Project Location Description (e.g., along the south bank of stream/river between river miles or miles from Towns/intersection and/or address):	The project consists of up to 8.5 miles of utility corridor to be installed in concert with the Truckee River Access and Bike Path Project adjacent to the Truckee River between Truckee and Olympic Valley, a supply source, booster station, and	

III. 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 will be quantified. If the project does not address any of the draft IRWM plan objectives, provide a one to two sentence description of how the project relates to a challenge or opportunity of the Region (see the bottom of page 4).

Objectives:	**Will the project address the objective?**	**Brief explanation of project linkage to selected Objective**	**Quantification** (e.g. acres of streams/wetlands restored or enhanced)
WQ1 - Meet approved TMDL standards in accordance with the attainment date, and participate in the development of future TMDLs.	◉ Yes ○ N/A N/A	A redundant water supply will result in reduced pumping of the Squaw Valley aquifer thus increasing surface flows in Squaw Creek, a direct impact on TMDL's	Presently unknown Yes
WQ2 – Reduce pollutant loads by implementing measures such as stormwater LID retrofits, erosion control/ restoration to meet Water Quality Objectives (WQOs) for receiving water bodies established in the Basin Plan within the planning horizon	○ ◉		
WQ3 - Implement water quality monitoring programs through planning horizon, and coordinate annually throughout the Region.	○ Yes ◉ N/A		
WQ4 - Ensure that drinking water supplied by public water systems continues to meet Federal and State standards.	◉ Yes ○ N/A	A redundant water supply will help to ensure the continued quality of the Squaw Valley aquifer by reducing reliance on the already limited resource	Presently unknown
WQ5 - Restore degraded streams, wetlands, riparian and upland areas to re-establish natural water filtering processes.	◉ Yes ○ N/A	Reduced pumping on the Squaw Valley aquifer will help to increase in stream flows and restore riparian habitat	Presently unknown
WQ6 -Operate and maintain, build, or replace infrastructure for reliable collection, treatment and disposal of wastewater.	○ Yes ◉ N/A		
WS1 - Provide water supply to meet projected demands for a 20-year planning horizon.	◉ Yes ○ N/A	A redundant and supplemental water supply will provide water for build out demand for 20 years and beyond	A WSA is being prepared to update quantity necessary. Assume 1,210

Objectives:	**Will the project address the objective?**	**Brief explanation of project linkage to selected Objective**	**Quantification** (e.g. acres of streams/wetlands restored or enhanced)
WS2 - Operate and maintain, build, or replace infrastructure to reliably supply water.	(●) Yes ( ) N/A	Project builds infrastructure for long term redundancy and reliability of water supply	1,210 Acre-Feet
WS3 - Implement and promote water conservation measures and practices to meet state goals.	( ) Yes (●) N/A		
GWM1 - Maintain and monitor groundwater supply to assure future reliability.	(●) Yes ( ) N/A	Project maintains redundancy and supplements water supply	1,210 Acre-Feet
GWM2 - Promote groundwater protection activities for high quality groundwater, and advocate for improvements to impacted groundwater quality through public education.	(●) Yes ( ) N/A	Project includes public education and outreach program	Unknown
GWM3 - Manage groundwater for multiple uses (e.g. municipal/industrial/agricultural supply and environmental use).	(●) Yes ( ) N/A	Project provides supplemental supply for future users. Positive environment impact by reduced pumping of Squaw Valley aquifer	Increase existing supply by 1,210 Acre Feet
ER1 - Enhance and restore water bodies, wetlands, riparian areas and associated uplands to support healthy watersheds, viable native fish, wildlife and plant habitats.	(●) Yes ( ) N/A	Project promotes reduced pumping on existing aquifer which in turn increases surface flows improving habitat during low flow periods	Unknown
ER2 - Develop and implement programs to prevent the spread of existing invasive species and colonization of potential future invasive species.	( ) Yes (●) N/A		
ER3 - Implement, in coordination with public and private landowners, activities to manage forest health and wildfire risks.	(●) Yes ( ) N/A	Project provides fire protection to private landowners along 8 mile corridor adjacent to Truckee River where none presently exists	Unknown

Objectives:	**Will the project address the objective?**	**Brief explanation of project linkage to selected Objective**	**Quantification** (e.g. acres of streams/wetlands restored or enhanced)
ER4 - Minimize ecosystem impacts caused by existing and new development.	○ Yes ◉ N/A		
IWM1 - Conduct local and regional water-related planning activities within the planning horizon as supported by current and future watershed science.	○ Yes ◉ N/A		
IWM2 - Ensure collaboration among multiple jurisdictions within the Region for information exchange.	◉ Yes ○ N/A	Project will be a coordinated effort between water purveyors, county parks department, communications, and gas company	Presently Unknown
IWM3 - Increase public education and awareness of watershed functions, protection and restoration needs to encourage stewardship by the public.	◉ Yes ○ N/A	Projects promotes goals of the Squaw Valley Groundwater Management Plan, includes public outreach and education program	Unknown
IWM4 - Promote activities that reduce flood risk.	○ Yes ◉ N/A		
IWM5 - Address climate change (e.g. water quality, water supply, groundwater recharge, flood management) in local and regional planning efforts and support efforts to continue improving the science.	◉ Yes ○ N/A	A long term reliable water supply is needed to offset impacts of global warming, may become critical infrastructure in future supply scenario. Meets Groundwater Management Plan Goals.	Unknown
IWM6 - Monitor water storage, release and exchange activities in order to improve coordination with regional planning.	○ Yes ◉ N/A		

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

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**.

If applicable describe benefits or impacts of the project with respect to:		
a. Native American Tribal Community considerations.	☑ N/A	
b. Disadvantaged Community considerations[1].	☑ N/A	
c. Environmental Justice [2] considerations.	☑ N/A	
d. Assist the Region in adapting to effects of climate change[3].	☐ N/A	Project mitigates long term impacts of climate change through drought supply
e. Generation or reduction of greenhouse gas emissions (e.g. green technology).	☐ N/A	Bringing natural gas to the region will replace heating oil and propane as the
f. Other expected impacts or benefits that are not already mentioned elsewhere.	☐ N/A	Project provides fire protection facilities to residents along Truckee River urban

1. 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. A map has been provided with the Project Template Instruction for reference.
2. 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
3. Climate change effects are likely to include increased flooding, extended drought, and associated secondary effects such as increased wildfire risk, erosion, and sedimentation.

IV. Resource Management Strategies (RMS)

For each resource management strategy 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 Resource Management Strategies can be found in Volume 2 of the 2009 California Water Plan here: http://www.waterplan.water.ca.gov/cwpu2009/index.cfm

Resource Management Strategy	**Will the Project incorporate RMS?**	**Description, of how RMS to be employed if applicable**
Reduce Water Demand		
Agricultural Water Use Efficiency	○ Yes ◉ No	
Urban Water Use Efficiency	○ Yes ◉ No	
Improve Operational Efficiency and Transfers		
Conveyance - Regional / local	◉ Yes ○ No	Project reduces reliance on existing
System Reoperation	○ Yes ◉ No	
Water Transfers	○ Yes ◉ No	

Resource Management Strategy	Will the Project incorporate RMS?	Description, of how RMS to be employed if applicable
Increase Water Supply		
Conjunctive Management & Groundwater	(•) Yes ( ) No	Project promotes regional solution to long
Desalination	( ) Yes (•) No	
Precipitation Enhancement	( ) Yes (•) No	
Recycled Municipal Water	( ) Yes (•) No	
Surface Storage -- Regional / Local	(•) Yes ( ) No	Project adds 2 million gallon water
Improve Water Quality		
Drinking Water Treatment and Distribution	(•) Yes ( ) No	Project reduces or eliminates need to treat future groundwater supply
Groundwater and Aquifer Remediation	(•) Yes ( ) No	Project reduces demand on Squaw
Matching Water Quality to Use	( ) Yes (•) No	
Pollution Prevention	(•) Yes ( ) No	Reduced groundwater pumping
Salt and Salinity Management	( ) Yes (•) No	
Urban Runoff Management	( ) Yes (•) No	
Practice Resources Stewardship		
Agricultural Lands Stewardship	( ) Yes (•) No	
Economic Incentives (Loans, Grants, and Water Pricing)	( ) Yes (•) No	
Ecosystem Restoration	(•) Yes ( ) No	Reduced groundwater pumping will
Forest Management	( ) Yes (•) No	
Land Use Planning and Management	( ) Yes (•) No	
Recharge Areas Protection	( ) Yes (•) No	
Water-dependent Recreation	( ) Yes (•) No	
Watershed Management	(•) Yes ( ) No	Project implements goals of
Improve Flood Management		
Flood Risk Management	( ) Yes (•) No	

Note: The following RMS have been omitted from the list: Conveyance-Delta and Surface Storage – CALFED.

Other RMS addressed and explanation:

Project provides for redundant and/ or supplemental water supply as mandated by the State of California Water Code section 10610.2 (3) and the Safe Drinking Water Act amendment, the Bio-terrorism Preparedness and Response Act of 2002 (42 U.S.C. 300i-4 (b) for emergency water supply planning.

V. 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.

a. Project Costs	**Requested Grant Amount**	**Cost Share: Non-State Fund Source (Local/Federal Funding Match)**	**Cost Share: Other State Fund Source**	**Total Cost**
1. Capital (2013 Dollars)	$2,765,000	**$** $920,000 **OR** ☐ **DAC**	None	$3,685,000
2. Annual Operations and Maintenance (O&M)		$10,000	NA	$10,000
b. Can the Project be phased?	◯ **Yes**	◉ **No**		
1. If so provide cost breakdown by phase(s)	**Project Cost**	**O&M Cost**	**Description of Phase**	
Phase 1	$323,000	NA	Feasibility Study, Alternative Analysis, Preliminary Design,	
Phase 2	$3,685,000	$10,000	CEQA, Permitting, Terminal Tank	
Phase 3	$4,140,000	$50,000	Well Construction/ Booster Station	
Phase 4	$18,630,000	$50,000	20" Transmission Main	
		Source(s)	**Amount**	
c. List secured source(s) of funding for Project cost		Undetermined	No secured funds are presently available	
d. List proposed source(s) of unsecured funding and certainty of the sources for Project cost.		PCWA Placer County	Presently Unknown	
e. Explain how operation and maintenance costs will be financed for the 25-year planning period for project implementation (not grant funded).		O & M will be provided by District when constructed through operating revenues.		
f. Basis for project cost[1] (e.g. conceptual, planning, bid, etc.)		Previous study: Alternative Supplemental Water		
g. Has a Cost/Benefit analysis been completed?		◯ **Yes** ◉ **No**		
h. Please describe what impact there may be if the project is not funded. (300 words or less)		The subject of this application is the construction of a terminal tank and the environmental and permitting		

1. For the grant application a detailed project cost estimate will need to be provided with the following cost categories; per the IRWM PSP for Round 2, Implementation Grants: Direct Project Administration, Land Purchase/Easement, Planning/Design/Engineering/Environmental Documentation, Construction/Implementation, Environmental Compliance/Mitigation/Enhancement, Construction Administration, Other Costs, and Construction/Implementation Contingency.

VI. 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**.

Project Stage	Check the Current Project Stage	Completed?	Description of Activities in Each Project Stage	Planned/ Actual Start Date (mm/yr)	Planned/Actual Completion Date (mm/yr)
a. Assessment and Evaluation	☑	◯ Yes ◉ No ◯ N/A	Feasibility study completed. Alternative analysis and further evaluation of pipeline alignment is currently	11/13	12/14
b. Final Design	☐	◯ Yes ◉ No ◯ N/A			
c. Environmental Documentation (CEQA/NEPA)	☐	◯ Yes ◉ No ◯ N/A	CEQA/ NEPA & project permitting is subject of this application	12/14	12/15
d. Permitting	☐	◯ Yes ◉ No ◯ N/A	CEQA/ NEPA & project permitting is subject of this application	07/14	12/15
e. Construction Contracting	☐	◯ Yes ◉ No ◯ N/A		01/16	05/16
f. Construction Implementation	☐	◯ Yes ◉ No ◯ N/A	Construction of Terminal Tank is subject of this application	05/16	11/16

Provide explanation if more than one project stage is checked as current status	The District completed a fatal flaw feasibility study in 2009. Currently funded is a project to select the proffered alternative and alignment, select pumping facilities and terminal tank locations, and preliminary design with engineers estimates; to be completed in December 2014

VIII. Project Technical Feasibility

Please provide any related documents (date, title, author, and page numbers) that describe and confirm the technical feasibility of the project.

a. List the adopted planning documents the proposed project is consistent with or supported by (e.g. General Plans, UWMPs, GWMPs, Water Master Plans, Habitat Conservation Plans, TMDLs, Basin Plans, etc.)	Olympic Valley Groundwater Management Plan, May 2007 HydroMetrics LLC, Page 53
b. List technical reports and studies supporting the feasibility of this project	Alternative/Supplemental Water Supply and Enhanced Utilities
c. Concisely describe the scientific basis (e.g. how much research has been conducted) of the proposed project in 300 words or less.	The Squaw Valley Aquifer and future redundant or supplemental water supply has been the source of
d. Does the project implement green technology (e.g. alternate forms of energy, recycled materials, LID techniques, etc.)	(•) Yes ( ) No ( ) N/A
1. If so please describe	The joint utility corridor will bring
e. If you are an Urban Water Supplier[1]:	
1. Have you completed an Urban Water Management Plan and submitted to DWR?	( ) Yes ( ) No (•) N/A
2. Are you in compliance with AB1420?	( ) Yes ( ) No (•) N/A
3. Do you comply with the water meter requirements (CWC §525)	(•) Yes ( ) No ( ) N/A
4. If the answer to any of the questions above is "no", do you intend to comply prior to receiving project funding	( ) Yes ( ) No (•) N/A
	Provide Explanation if necessary: District currently serves less than 3,000 customers
f. If you are an Agricultural Water Supplier[2]:	
1. Have you completed and submitted an AWMP (due 12/31/12)?	( ) Yes ( ) No (•) N/A
2. If not, will you complete and submit an AWMP prior to receiving project funding?	( ) Yes ( ) No (•) N/A
	Provide Explanation if necessary:
g. If the project is related to groundwater:	
1. Has a GWMP been completed and submitted for the subject basin?	(•) Yes ( ) No ( ) N/A
2. If not will a GWMP be completed within 1 year of the grant submittal date?	( ) Yes ( ) No (•) N/A

1. 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.
2. 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.