

**Tuolumne - Stanislaus IRWM
 Proposition 84 Planning Grant Proposal
 Attachment 3: Work Plan**

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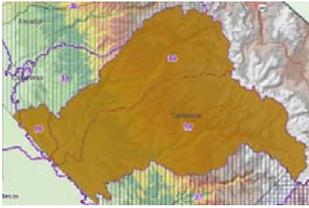
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I. Background

As requested in the Proposal Solicitation Package (PSP) for the Integrated Regional Water Management (IRWM) Planning Grant, this Work Plan Background section summarizes the history of the Tuolumne - Stanislaus (T-S) IRWM Region (T-S Region) planning efforts to date and includes descriptions of the following: (1) Regional Water Management Group (RWMG), (2) the region, (3) plan development status, (4) stakeholder identification and involvement, (5) disadvantaged communities (DACs) identification and involvement, (6) water related objectives and conflicts identification process, (7) regional priorities criteria development process, (8) data and technical analysis collection and management, (9) integrated resource management strategies, (10) anticipated IRWM Plan implementation, impacts and benefits, and (11) Program Preferences including Statewide Priorities.

1. Regional Water Management Group (RWMG)

The Tuolumne – Stanislaus IRWM Region (T-S Region) Program was initiated through the actions of the Tuolumne Utilities District (TUD). TUD organized the first meeting of public agencies interested in the IRWM Program. This meeting, held on 24 August 2007 involved public agencies that would eventually become the RWMG as specified in California Water Code (CWC) §10539. Following this initial meeting, the IRWM participants began open public meetings (19 October 2007), and invitations were sent out to numerous interest groups, federal, state and local agencies as well as non-governmental organizations (NGO). The Memorandum of Understanding (MOU) discussed further below, names TUD as the program administrative agency for the purposes

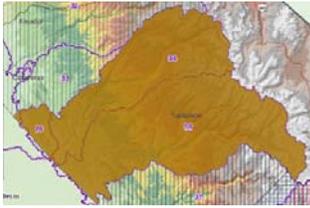
of development of an IRWM Planning Grant application.

An outgrowth of these meetings, discussed in detail below, was the establishment of the IRWM group that could make necessary organizational decisions around topics such as:

- IRWM regional boundaries,
- Governance structure and function,
- Funding mechanism, and
- Public participation process.

This group eventually worked, through a consensus based process, to adopt a governance structure with Tuolumne–Stanislaus IRWM Program Governance Principles, Financial Agreement and MOU, all of which are found in Appendix A of this attachment. The governance body of the IRWM Program, known as the Planning Grant Committee (PGC), is comprised of all entities that have executed the MOU as shown in Table 1. The RWMG is defined by the California Water Code as three or more agencies, at least two of which have statutory authority over water supply or water management. The RWMG in the T-S Region is a component of the members of the PGC but does not hold separate decision making authority or meet independently. All decisions for the IRWM Program are made by the PGC as defined in the Governance Principles.

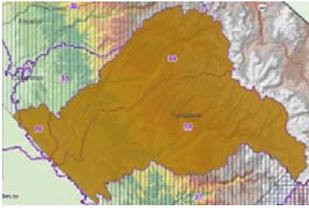
The PGC is composed of the agencies and NGOs listed in Table 1, which constitute the majority of water management agencies and most of the land and resource management agencies within the T-S Region. Table 1 that follows summarizes the agencies and NGOs, their principle responsibilities, whether they



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Table 1: T-S Region's PGC and RWMG Members

Agency	Responsibilities	MOU Signatory / PGC	RWMG Member
Calaveras County Water District (CCWD)	Retail, Wholesale, & Ag Water/Sewer/Hydropower/ Groundwater Management	X	X
California Department of Fish and Game (CDFG)	Resource Management	X	X
Central Sierra Audubon Society (CSAS)	Public Interest Group/NGO	X	
Central Sierra Environmental Resource Center (CSERC)	Public Interest Group/NGO	X	
City of Angels Camp (Angels Camp)	Water/Sewer/ Stormwater/ Flood/ Land Use	X	X
City of Sonora (Sonora)	Stormwater/Flood Control/ Land Use	X	X
County of Calaveras	Land Use /Groundwater/Storm Water and Flood Control	X	X
County of Tuolumne	Land Use / Groundwater / Stormwater/ Flood Control	X	X
Groveland Community Services District (GCSD)	Water/Sewer/ Recycled Water/ Fire Protection/ Parks	X	X
Lake Don Pedro Community Services District (LDPCSD)	Water	X	X
Murphys Sanitary District (MSD)	Water/Sewer	X	X
Tuolumne County Farm Bureau (Farm Bureau)	Public Interest Group/NGO	X	
Tuolumne County Resource Conservation District (TCRCD)	Land and Resource Management	X	
Tuolumne Group of the Sierra Club (Sierra Club)	Public Interest Group/NGO	X	
Tuolumne River Trust (TRT)	Public Interest Group/NGO	X	
Tuolumne Utilities District (TUD)	Water/Sewer	X	X
Twain Harte Community Services District (THCSD)	Water/ Sewer/ Fire Protection/ Parks	X	X
Union Public Utility District (UPUD)	Water	X	X
United States Forest Service, Stanislaus National Forest (USFS)	Land and Resource Management	X	X
Utica Power Authority (UPA)	Water Wholesaler & Hydroelectric Power Generation	X	X



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have signed the MOU and are a member of the PGC, and (for eligible agencies) whether they are a member of the RWMG.

Other entities that have participated in the T-S Region meetings but have not executed the MOU include:

- U.S. Bureau of Reclamation (USBR)
- Tri-Dam Project (Oakdale and South San Joaquin Irrigation Districts [OID and SSJID])
- Modesto Irrigation District (MID)
- Me-Wuk Tribe, Tuolumne Band¹
- Natural Resource Conservation Service, Central Sierra (NRCS)
- San Francisco Public Utilities Commission (SFPUC)/Bay Area IRWMP
- Pacific Gas and Electric (PG&E)
- National Park Service, Yosemite National Park (NPS-YNP)²
- Tuolumne Sanitary District (TSD)
- Turlock Irrigation District (TID)
- Amador-Tuolumne Community Action Agency (ATCAA)³
- Jamestown Sanitary District, County of Tuolumne
- Mi Wuk Village Mutual Water Company, County of Tuolumne
- Pinecrest Permittees Association, County of Tuolumne
- Bay Area IRWM Program
- Mariposa IRWM Program
- Mokelumne, Amador, Calaveras (MAC) IRWM Program (via CCWD)

In addition, the following water and/or wastewater agencies, organizations, and conditionally or approved (through the DWR Regional Acceptance Process) IRWM Regions, have been invited to participate in the T-S Region's Program, and receive monthly information, meeting notices and minutes:

¹ The Me-Wuk Tribal Council for the Tuolumne Band intends to execute the MOU on or around October 8, 2010.

² The NPS-YNP is currently in the process of executing the MOU and has submitted a letter of intent to TUD which is included as Appendix B of this attachment.

³ ATCAA serves Calaveras County in addition to the Amador County and Tuolumne County.

Two entities including the NPS-YNP and the Tuolumne Band of the Me-Wuk Tribe are in the process of entering into the MOU. NPS-YNP has submitted a letter of intent to sign the MOU which is included as Appendix B of this Attachment. To date, NPS-YNP has been following the process and has participated in several meetings.

2. The Region

The T-S Region boundary includes the upper Tuolumne and upper Stanislaus River watersheds (generally above New Don Pedro and New Melones Reservoirs, respectively) and Littlejohns Creek watershed as shown on Figure 1. The T-S Region's boundary includes all of Tuolumne and part of Calaveras County and Alpine County.

The T-S Region rises from the grasslands of the lower foothills of the Sierra Nevada to its crest over 12,000 feet. Its main communities are situated in the foothills – Sonora and surrounding towns, consisting of a population of about 60,000. Upslope of these developed areas the Stanislaus National Forest and Yosemite National Park occupy about two-thirds of the land base within the T-S Region's boundaries.

Figure 1
Tuolumne-Stanislaus
Integrated Regional
Water Management Region

-  Tuolumne-Stanislaus IRWMP
-  Watersheds
-  Cities
-  Counties

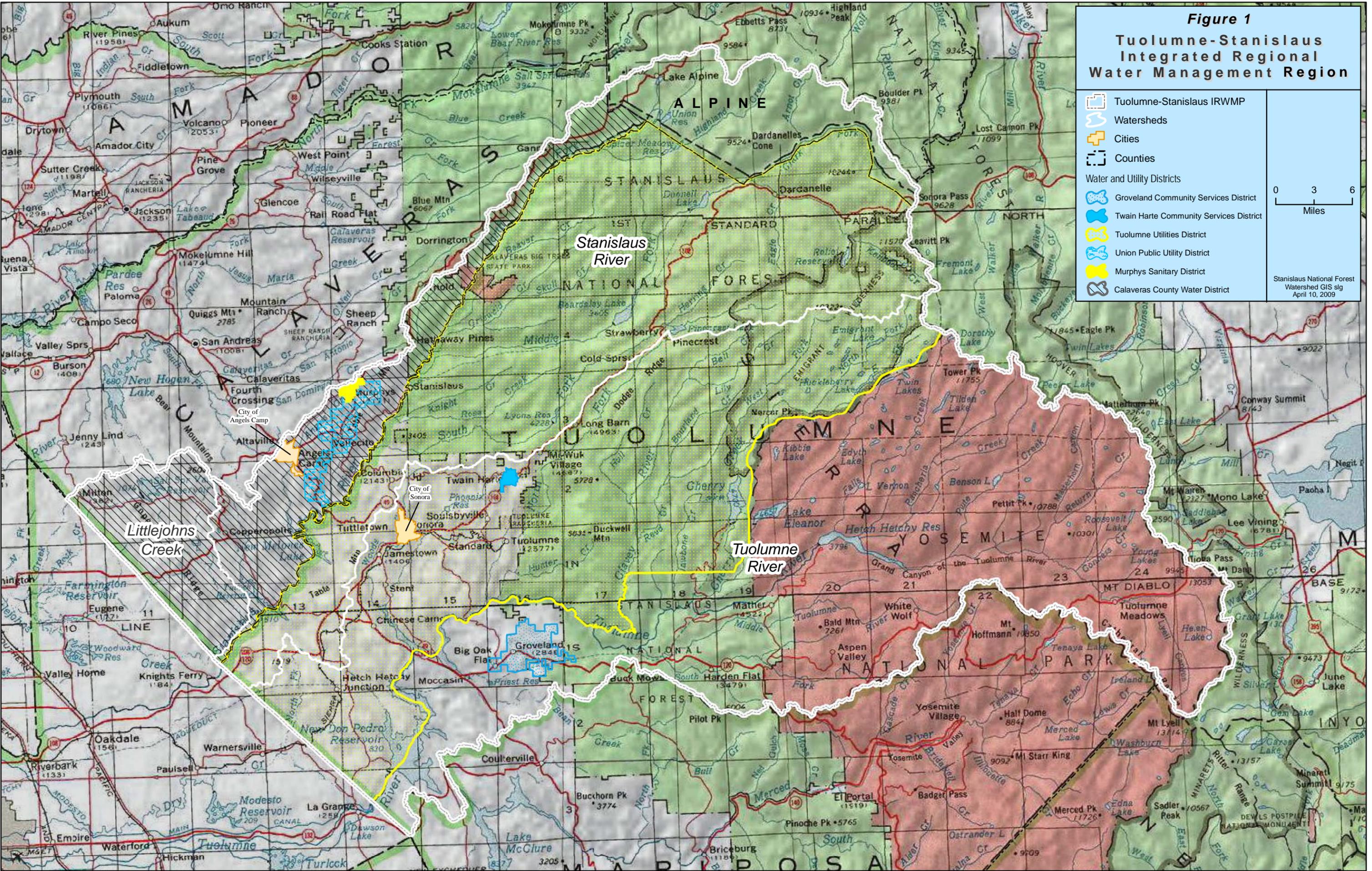
Water and Utility Districts

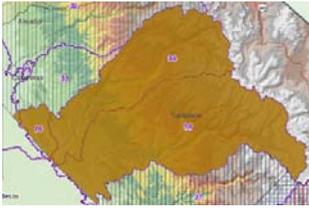
-  Groveland Community Services District
-  Twain Harte Community Services District
-  Tuolumne Utilities District
-  Union Public Utility District
-  Murphys Sanitary District
-  Calaveras County Water District



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Miles

Stanislaus National Forest
Watershed GIS sfg
April 10, 2009





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Below is a summary of the nearby IRWM and watershed groups, and an overview of the process used to evaluate and determine the T-S Region boundaries.

Summary of Nearby IRWM and Watershed Groups: At the time of the inception of the T-S Region's Program, the only established IRWM Program located nearby was the MAC IRWM Program to the north. The MAC IRWM Program had a completed plan and was well underway towards project development.

Located to the east of the T-S Region, the Alpine Watershed Group operates within a portion of the Upper Stanislaus Watershed and is centered in Markleeville. The Alpine Watershed Group did not execute the T-S Region's MOU primarily due to significant budgetary and staff constraints, and significant travel distances (sometimes impassible in winter months). They do participate in the Tahoe IRWM Program that is in much closer proximity to their offices.

With this knowledge of other IRWM groups, the T-S Region's participants initiated discussion about defining the boundaries of the IRWM as one of the early meeting topics.

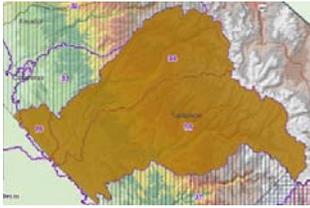
During the evolution of the T-S Region's Program, the Central California (also referred to as the Mariposa) IRWM Program began development immediately south of the Tuolumne Watershed. In addition, the Inyo-Mono IRWM Program located to the east, and the Merced IRWM Program located to the south and west of the T-S Region began development. The Merced IRWM Program has no common boundary with the T-S Region but has a single touching "point". Communications with each of these groups has taken place in some fashion.

Thus far there is no IRWM Program to the immediate west of the T-S Region, but it

appears that an IRWM program is under development in the Modesto area.

Overview of Regional Boundaries Evaluation: In the T-S Region PGC's boundary discussions, consideration was given to a number of factors including, but not limited to: political boundaries, water /wastewater agency service area boundaries, physical characteristics of the landscape, streams and watersheds, water related man-made infrastructure, agency service areas, and major governmental ownership such as the Stanislaus National Forest and Yosemite National Park. There was also recognition that the area under consideration did not have a defined groundwater table, or basin, but rather was predominantly one of fractured rock groundwater sources and a groundwater resource that is difficult to quantify. While most of the T-S Region consists of granitic bedrock there are also notable locations of fractured metamorphic and volcanic geology from which groundwater is extracted for domestic water supply.

In the Sierra Nevada and foothills, watersheds dominate water resource management operations and future resource options. High elevation mountain passes limit access and create travel boundaries that define areas that are largely divided by watersheds. Therefore, consideration of watersheds as a boundary feature was balanced with the potential for the functional participation of interests and travel times to meetings in establishing the T-S Region's boundary. When political boundaries were considered, it was determined that both Calaveras County and Tuolumne County were actively participating in the program, have available staff and budget resources, and are located within reasonable travel times.



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One of the most deliberated decisions with regard to boundary was whether to include or exclude the Littlejohns Creek watershed in western Calaveras County. The Littlejohns Creek watershed does not drain into either the Tuolumne River or the Stanislaus River watersheds. Rather, it flows directly into the Delta watershed. The Littlejohns Creek area is an area that was not included in the MAC IRWM Program because it was not in their subject watersheds either. The Littlejohns Creek watershed is an area identified for significant future development that may require substantial water resources from the Stanislaus watershed. CCWD currently provides treated water, recycled water and wastewater treatment services to this area. These factors led to lengthy discussions by the PGC and ultimately the decision to include the Littlejohns Creek area in the T-S Region. Of special consideration was the need to not leave a “gap” between the two IRWM planning areas (T-S Region and MAC) along with the need to coordinate land use proposals with Stanislaus River resources relative to the T-S Region.

Based on the considerations above, discussions were carried out between John Mills, consultant to the IRWM Program, and DWR IRWM staff regarding the appropriate boundaries for an IRWM that generally would include the Tuolumne and Stanislaus watersheds.

The T-S Region’s boundary stops at the western edge of Calaveras and Tuolumne Counties in recognition of the need to focus management efforts within the political jurisdictions which are actively supporting the program and which share common geographic features. The lands to the west of the county boundaries have terrain with less elevation difference; they also have defined groundwater basins, larger urban areas, large areas of irrigated lands and no current IRWM programs. These Central Valley areas

have markedly different economies (primarily agriculture) and markedly different water quality and delivery issues. An IRWM Region to the immediate west of the T-S Region may emerge and be evaluated by DWR through the established Regional Acceptance Process (RAP). Given the need to focus scant fiscal resources and the large geographic area already under consideration, no further consideration was given to expanding the boundary to the west.

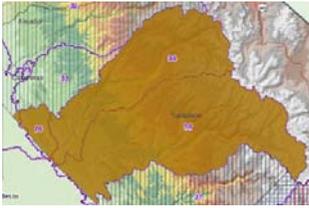
Despite the T-S Region’s boundaries, the PGC recognizes that it will be important to acknowledge the coordination that will need to occur because of the inherent interconnectedness between the upstream and downstream watersheds. Entities such as TID, MID, USBR, OID, SSJID, and PG&E all have facilities and/or water rights within the T-S Region. These regional interrelationships are discussed in greater detail in Section 11.3 that follows.

In addition, the PGC acknowledges that there are significant man-made water resource facilities within the T-S Region that export water to other (downstream) areas for consumption. The SFPUC holds water rights and operates facilities on the upper Tuolumne Watershed (Lake Eleanor, Cherry Reservoir, and the Hetch Hetchy Reservoir) and exports significant amounts of water out of the watershed.

3. Plan Development Status

An IRWM Plan has not yet been prepared for the T-S Region. However, since 2007, the PGC has developed consensus around focusing the group’s efforts in the following key areas:

- a. Identification of IRWM Program boundaries which resulted in a successful RAP application,



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- b. Development a governance structure and function which resulted in a MOU signed by 20 agencies,
- c. Identification of a funding mechanism which resulted in the Funding Agreement that is included in the MOU,
- d. Development of a public participation process that has included 26 meetings since 2007, and
- e. Education by the program participants through round table presentations that took place over a matter of many months. The various PGC interest groups and agencies presented general information about their organization or agency, and included not only basic data on facilities, customers, population, etc., but also as summary of other planning activities for the organization, areas of interest and expectations from the IRWM Program.

In addition, the RWMG has, in an effort to better understand the scope and content of a comprehensive IRWM Plan, extensively reviewed the proposition 50 IRWM Plan guidelines in a series of meetings and reviewed and commented on the Proposition 84 draft guidelines.

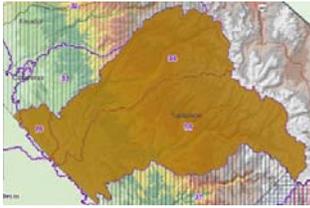
As a result of the effort in the above foundational activities and given the limited resources of the participants to the RWMG, no specific effort has been put towards the preparation of an IRWM Plan. However, because of the above foundational activities, the RWMG is poised to prepare an IRWM Plan that truly represents the region's needs and objectives.

4. Stakeholders Identification and Involvement

Inclusion of stakeholders and a consensus-driven process has been critical to the work since the inception of the T-S Region's Program. TUD, as the managing agency, used lists of interested parties from past water resource related matters, as well as, recommendations from other agencies, the public and NGOs to solicit interest. No attempt was made to restrict participation. Even now, the PGC membership is still "open" to any additional members who may wish to join by executing the MOU and complying with its terms and conditions. An e-mail notification list, now containing over 130 names and 84 agencies, has been developed and maintained since 2007 and is included in Appendix C. Furthermore, as can be seen in Appendix D which summarizes the T-S Region meetings attendance, the number of attendees has consistently included approximately 20 participants and has occasionally been close to 30 participants since the inception of the T-S Region's Program.

The success of public outreach for this effort is well documented in that the T-S Region participants includes an impressive complement of local land use agencies, water resources agencies, federal and state agencies, and a deeply committed group of NGOs. Furthermore, the work to date has been carried out with very limited fiscal resources from local sources, supplemented by a strong core of volunteer support from NGOs and technical support from state and federal agencies.

As described earlier in Section 1, those participants that have executed the MOU are members of the PGC and, if consistently active in the process, they may participate in the consensus-based governance of the Program.



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Other parties who attend meetings are also allowed to participate in general discussions and also comment during the general public portion of the agenda. Rules of participation are to be as inclusive as possible.

The PGC has conducted a public affairs program targeting a broad spectrum of interests. The PGC has conducted agency and other interest briefings within its membership during its monthly meetings. These briefings have included comprehensive presentations by members of the PGC about their agency or organization. The public outreach effort has resulted in an increased familiarity with each entity's responsibilities, capabilities, duties, interests and desired IRWM Program objectives.

In addition, early in the group's formation, TUD's General Manager, Pete Kampa, and the T-S Region's Program consultant, John Mills, attended local agency meetings and made presentations regarding the IRWM Program in public sessions throughout the T-S Region. Other PGC members also made presentations to their Boards and constituencies about the IRWM Program.

Furthermore, the T-S Region's Program consultant attended the Mariposa IRWM meeting on 19 February 2009. At that meeting, he gave an overview of the T-S Region's Program, explained the reasoning for a common boundary with that program, and answered questions regarding the T-S Region's Program. This coordination is being maintained by providing ongoing meeting notice and minutes, as well as, through periodic communications between the two program consultants.

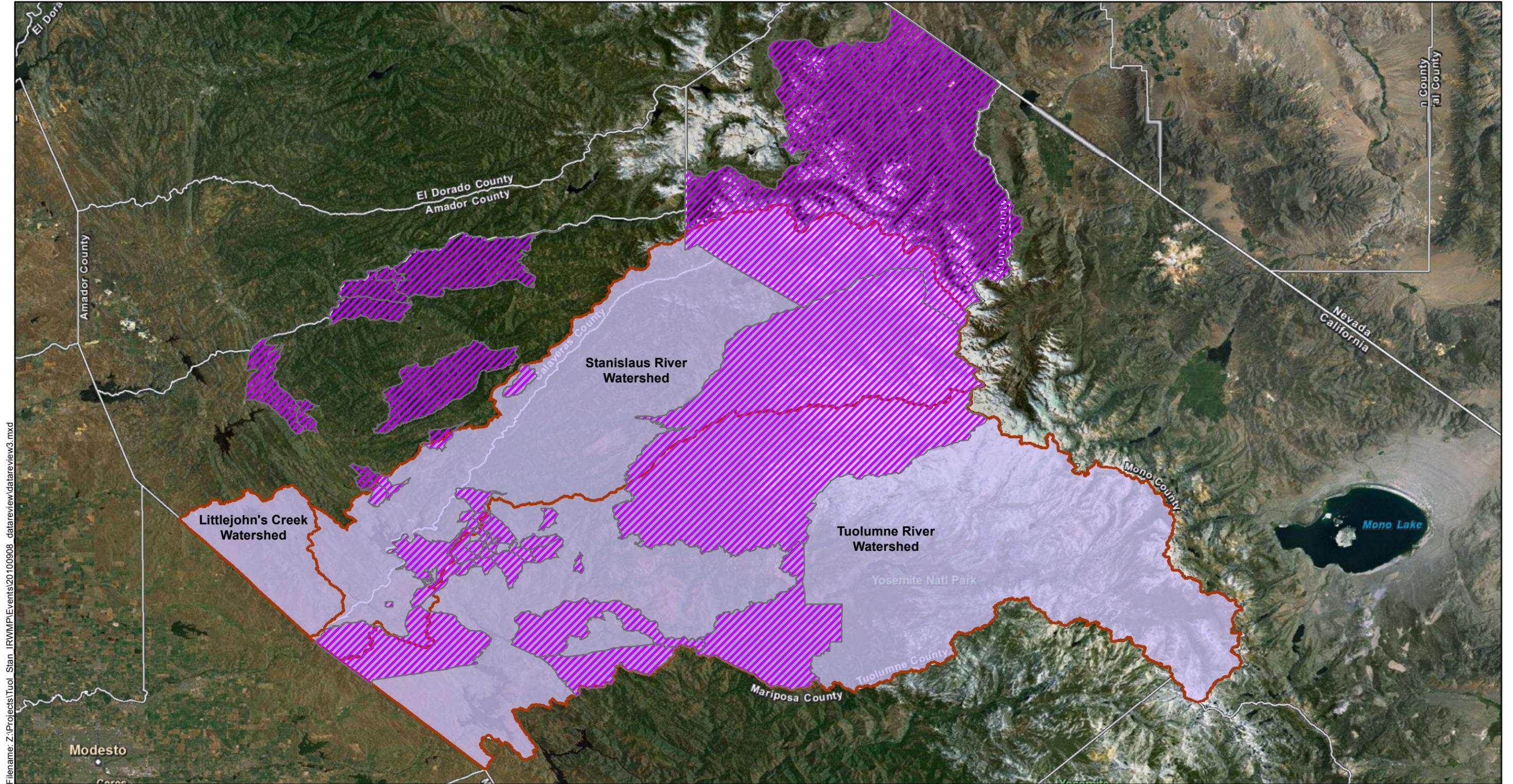
Meeting materials and agendas are posted on the TUD website and in its offices approximately

five (5) to six (6) days in advance of monthly meetings; meeting materials are sent out via e-mail to the contact list included as Appendix C. The T-S Region's members make consistent efforts to include more interest groups and the public in this process. The T-S Region's Program has recently initiated simulcast on-line broadcast of the monthly meetings. As documentation of how the public outreach process has worked to date, meeting agendas, minutes and videos can be viewed on TUD's website (http://www.tudwater.com/project_development/integrated-regional-water-management-plan.htm).

As a consensus-driven decision-making process, public participation in the IRWM meetings is the essence of the T-S Region's Program.

5. Disadvantaged Communities (DACs) Identification and Involvement

DAC, which is defined as a median household income (MHI) less than 80% of the statewide MHI, have been identified based upon Census information provided by the Federal Government. A significant portion of the County of Tuolumne, which comprises 84% of the land area of the T-S Region, qualifies as a DAC with an average family income of less than 80% of the California average family income (2000 Census Data, U.S. Census Bureau). The County of Calaveras also has small communities and some areas within the T-S Region that are identified as DAC areas. Figure 2 shows the areas within the T-S Region that qualify as DAC.

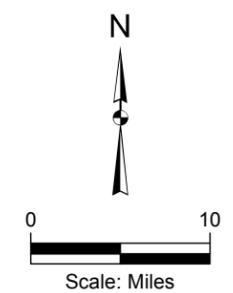


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Note: DAC areas are based on 2000 Census Block data for a Median Household Income (MHI) of \$37,994 or less (California MHI in 2000 was \$47,493; 80% = \$37,994)

Legend

- DAC Areas with MHI < \$37,994
- Watershed Boundary
- IRWM Boundary

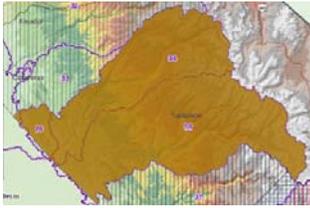


Kennedy/Jenks Consultants
 Tuolumne-Stanislaus RWMG
 Tuolumne Utilities District, California

Tuolumne - Stanislaus IRWM Region's Disadvantaged Community (DAC) Areas

K/J 1070021*00
 September 2010

Figure 2



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It should be recognized that one of the challenges of engaging with DACs within the majority of the T-S Region is that they are generally fairly wide spread throughout the T-S Region and are not actively engaged in many of the public processes. The T-S Region's DACs are not the typical "islands of disadvantaged surrounded by seas of prosperity" as exist in some urban areas. In fact, in the T-S Region, the DACs are the areas that surround the islands of more prosperous gated communities.

To date, the PGC has sought to identify NGOs and social services agencies that serve DACs and thereby plan to use existing communications channels to engage DACs in the T-S Region's planning process. For example, ATCAA, a public agency that provides a broad range of services such as community centers, early childhood education, food bank, housing resources and energy/weatherization to the low income community, has recently started participation in the T-S Region's process and has expressed both interest and commitment to continuing. The existing energy efficiency programs that ATCAA administers could be a logical fit for implementation of water use efficiency programs to DACs. This opportunity to fill a water-related need within the DAC community will be explored further during the T-S Region's plan preparation.

Through ATCAA and other partners that serve the DACs, the PGC expects to better identify DAC priorities and needs especially as they pertain to water, and to conduct additional outreach and refinement of data to identify the specific areas of DAC needs in the region during the proposed IRWM plan development. Section II of this attachment provides more detailed discussion of how DAC outreach will

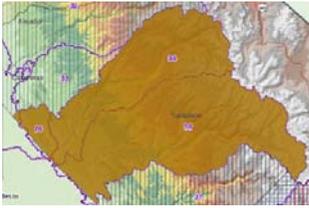
be accomplished during the plan development period.

6. Water Related Objectives and Conflicts Identification Process

The T-S Region's water related conflicts have been identified through discussions held at the 26 public meetings. Several of these meetings were purposefully set aside so that the stakeholders could present statements of interest to help educate others on available technical resources, mission of the entity, and their interest in the IRWM Program. Through these discussions, some of the key water related conflicts that are well suited to IRWM resolution have been identified and are described below:

- a. Septic systems and their effect on water quality - The TCRCD's volunteer Stream Team sampling program has provided evidence that extensive e-coli and fecal contamination in the drainages and streams in the T-S Region is occurring. It is presumed that failing septic systems in some critical drainage areas are negatively impacting surface water quality for potable supplies, surface water contact recreation, and aquatic habitat. There is also anecdotal evidence of failing septic systems within the County of Tuolumne that may be impacting natural stream courses, as well as, raw water conveyance systems that are the sources of municipal water supplies. Another study has occurred to document failing septic systems in Calaveras County in the Moran Creek area.

The result of failing septic systems, regardless of the cause, is a public health



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concern. Failing systems may also pose a threat to recreational and ecological assets, and result in additional challenges to water treatment for municipal use. The nexus between septic systems, land use and water resources, may be addressed more effectively within the context of integrated resources management. The IRWM Plan must develop an improved system to gather additional data, evaluate relevant existing data, and design further sampling plans to confirm contamination sources, the degree of contamination and remedial strategies to resolve the problem. Such an approach will by necessity involve multiple local agencies, conservation groups and others who already participate as part of the T-S Region's PCG.

- b. Drainage (sedimentation/flooding/other) effect on water supply and water quality- Land developments, including transportation corridors, that have been constructed within some parts of the T-S Region have, to some degree contributed to the increased erosion of soils, the sedimentation of streams, as well as, raw water conveyance facilities. They have also incrementally increased the frequency, duration and severity of localized flooding. The latter is primarily limited to areas along rural roadways, in some developments where maintenance of drainage structures are not adequate, and in some constrained stream courses with significant upstream development with inadequate flood attenuation facilities.

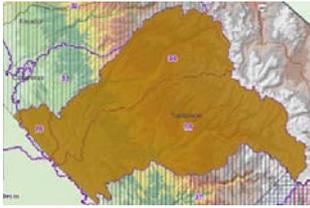
It is recognized that many rural communities and roadways were developed over many decades dating

back to the gold rush era. Therefore, the challenges of managing, maintaining and improving those community and road drainage systems are significant from both a practical and fiscal standpoint. The IRWM Plan will provide a valuable context in which to address this issue.

Erosion and sedimentation are contributing factors to the degradation of water quality for all beneficial uses. Additionally, land development patterns and their location, forest management practices of the past, and wildfires have all been contributing factors to increased erosion, sedimentation and in some instances localized flooding.

The challenges associated with this complex interaction between transportation, systems land development patterns, resource management, and the protection of human life, property and water resources point to the need to incorporate integrated flood management in a systemic fashion into the IRWM Plan and Program. This is anticipated by the DWR's direction for IRWM Plans to contain an integrated flood management component by linking the IRWM Program to Proposition 1E funding. Such linkage will occur within the T-S Region's Plan.

- c. Water leaving watershed and effect on local resources - There are several agencies that have senior rights for water that originates and is stored in reservoirs within the T-S Region, but are used outside of the IRWM region or produce other benefits such as hydroelectric energy that is consumed outside the region (e.g., Tri-Dam [OID/SSJID], USBR's New Melones Reservoir,



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PG&E, Northern California Power Association, SFPUC, TID and MID's New Don Pedro Reservoir). This phenomenon reinforces the recognition by the Sierra Nevada Ecosystem Project Report that the primary communities of benefit from Sierra surface water are not located within the watersheds themselves. Thus separating the local communities of place, from the communities of benefit.

This presents an institutional and governance challenge common to many areas of California, that is the disconnect between the place where the water comes from (source) and where the water is ultimately used for municipal and irrigation purposes. Some of the water agencies that provide major water supplies to the T-S Region, such as GCSD and TUD, depend on contracts with those water rights holders such as the SFPUC and PG&E.

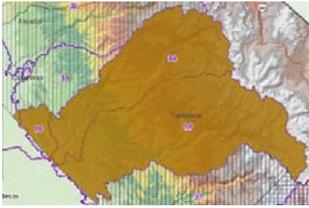
Specific related topics that have arisen during T-S Region's meetings include Stockton East Water District's interest in raising Lyons Reservoir (a key surface water storage reservoir owned and operated by the PG&E on the South Fork of the Stanislaus River) and the Federal Energy Regulatory Commission (FERC) relicensing of the PG&E Spring Gap Hydroelectric facilities, as well as, New Don Pedro Reservoir operations and FERC relicensing due in 2016.

One of the anticipated elements of the T-S Region's Plan will be to establish interregional partnership relationships with those "communities of benefit" with the "communities of place" to find common goals and desired future conditions for the supporting watersheds

and the communities that act as the local stewards of those watersheds. In addition, some of these out-of-area users, notably the lower Tuolumne Watershed, do not currently have an established IRWM Program, thus creating a barrier to coordination with these other areas.

The general and specific topics identified above will be significant "drivers" to be addressed in the T-S Region's planning process. This will potentially be further complicated by the inherent hydrologic variability, the potential impacts of climate change, the need and timing of environmental water; increasing recreational demands, and land use changes and growth as stressors on water supply and water quality.

- d. Land use planning/growth and water supply - Historic population growth within the T-S Region has been centered on accessing the natural resources that include the mineral resources, as well as, the extensive coniferous forests in the mountains. Additionally, the Region also contains both Sierra mountain and lower elevation grazing lands that support cattle ranches. Population centers have been located near early mining activity and later based on logging of the mountain forests and sawmills in the foothills. Many of those historic communities still exist and indeed, are still served by many dozens of miles of open raw water (ditch and wooden flume) distribution systems that date back over 150 years. Thus, both the communities and the man-made water infrastructure can trace lineage back to California's earliest days as a State.



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Since the early 1960's development has been guided by General Plans that were adopted by the land use planning agencies (local governments). Up to the recent economic downturn, population growth in the T-S Region has generally exceeded the California average annual growth rate as a result of the migration of significant urban populations to these rural areas. The foothill and mountain communities in the Program area expect to continue to grow as provided for within the land use agency plans.

Land use planning also occurs within the Federal lands managed by the USFS-Stanislaus National Forest, the NPS-YNP, and the Bureau of Land Management's (BLM) Red Hills resource area. Each of those agencies has its own unique requirements for natural resources management that stem from federal statute and judicial decisions. Thus, the USFS, NPS, and BLM prepare plans for the lands they manage. For the T-S Region, this can influence the amount of recreational use, the relative threat from wildfire, the potential for new water supply projects and the management of existing projects within those federal reservations.

Over 70% of the land area within the T-S Region is managed by federal, local or state government, and the management of that landscape can significantly influence the condition and trend of resources within the region.

In addition, growth in populations served by both CCWD and TUD will likely occur at a faster rate than before because of the acquisition of smaller water systems which cannot, for a variety of reasons, continue to operate. These

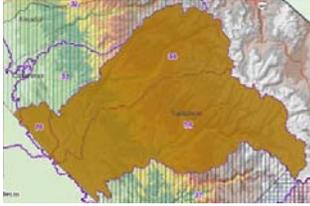
systems may rely on local hard-rock groundwater that has become depleted and/or a lack the institutional capacity to operate in a more complex regulatory and water supply environment. Although this may not result in a one-for-one increase in surface water demand, there will be small systems which rely on well water, which may be converted to surface water to reduce expense and increase supply reliability.

Proposed changes to land use such as the Littlejohn's Creek development, and the potential for resulting water supply requirements and potential water quality impacts are already under consideration by the PGC and were critical to the decisions around the T-S Region's boundary.

Both water use efficiency within existing and future land uses, and water supply are critical within the T-S Region, as well as, to downstream areas that use water that originates in the region.

Other issues/conflicts identified through the PGC statements of interest include:

- Water quality impacts other than those related to septic and drainage. There may be water quality issues at some locations higher in the watershed related to cattle grazing, recreation and other land uses. To better understand this issue, the University of California (UC) Cooperative Extension and the USFS-Stanislaus National Forest are conducting a study that will identify problems and recommend management solutions.
- Water use efficiency has been and will continue to be a key focus of the water supply agencies within the T-S Region.



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The required elements of compliance with the SBX 7-7 provisions are currently being worked out through DWR's Urban Stakeholder Committee (USC) and Agricultural Stakeholder Committee process, and will be completed later this year. Local agency updates by 1 July 2011 of their Urban Water Management Plans (UWMPs) will provide additional strategies, programs and projects for consideration within the context of the T-S Region.

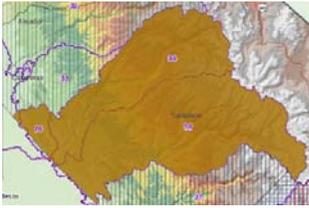
- The enhancement, restoration and sustainable management of aquatic and terrestrial components of the ecosystem within the T-S Region are a primary area of interest for the PGC. The aspects of this subject area relate to not only water resources themselves, but also the natural infrastructure of the watersheds with the T-S Region. Therefore, this focus will influence the development of appropriate resource management strategies (RMS) for the T-S Region. The nexus of natural infrastructure with man-made infrastructure is a logical point of potential conflict as well as benefit.
- Centralized information management systems to reduce conflicts and improve decision-making.
- Water resources protection to support agriculture in the T-S Region.
- Historic water delivery systems (ditches & wooden flumes) and land use conflicts with those systems.

The IRWM Plan will need to integrate discussion of these issues/conflicts into the broader planning effort.

Based on these identified water-related conflicts, the T-S Region's plan objectives are likely to be centered around:

- a. Identification of regional partnerships that can result in long-term, sustainable solutions to prevent recurrence of the conflicts summarized above;
- b. Evaluation and minimization of impact of continued water exports to watershed and local water supply;
- c. Development of an interregional outreach strategy. The strategy will include a sustainable system of communications, coordination and planning in appropriate venues. It is anticipated this will include those areas outside the region defined as those areas that directly benefit from the resources of the region. The outreach strategy would also include adjoining and other appropriate IRWM Regions. A focus will be to develop cooperative partnerships in managing resources within the T-S Region.
- d. Development of an IRWM Plan structure and community infrastructure capability that would make the Plan a sustainable component of the local and regional planning and conflict resolution venues.
- e. Identification of next steps for the T-S Region.

A future shared vision of regional goals and objectives will be a product of the IRWM planning process. As discussed in the proposed Work Plan, Section II that follows, it is expected that the T-S Region Program objectives can be developed within two (2) PGC meetings during the planning period.



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7. Regional Priorities Criteria Development Process

The focus of the PGC has been on identification of the T-S Region's boundaries, governance, financing and public participation. As a result, the determination of criteria to develop regional priorities has been secondary to the PGC goals and is expected to occur during the preparation of the IRWM Plan. However, the 26 public meetings and submittal of statements of interest have resulted in identification of critical water conflicts/issues for the region as described above, which will facilitate the identification of regional priorities. For example, in January and February 2010, the T-S Region initiated a broad ranging discussion regarding project selection criteria. Discussion of topics such as integration, range of benefits, and single versus multiple criteria were discussed. Ultimately, the complexity of the project selection criteria within the broad IRWM forum resulted in an engagement with the Center for Collaborative Policy (CCP) through a DWR grant to lead a facilitated process around project selection criteria which will start in November 2010. This facilitated effort reinforces an important priority since the inception of the T-S Region's Program, which has been to provide an open forum for participation in an inclusionary structure.

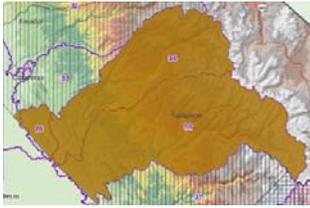
8. Data and Technical Analysis Collection and Management

In addition to the oral presentations/discussions that occurred at past T-S Region's meetings and statements of interest submitted by many participants, many of the PGC agencies and interest groups have participated in complex resource management programs and processes including but not limited to:

- a. Forest Land and Resources Management Plans,
- b. Watershed Sanitary Surveys,
- c. City and County General Plans,
- d. Urban Water Management Plans,
- e. Emergency Services Planning,
- f. FERC Hydroelectric License processes,
- g. California Environmental Quality Act (CEQA) preparation and review,
- h. National Environmental Policy Act (NEPA) review and other administrative actions,
- i. Strategic plans and water/wastewater agency infrastructure master plans,
- j. State Water Plan updates (Bulletins 160-05 & 160-09),
- k. CALFED Bay Delta Proceedings,
- l. California 20 x 2020 Water Conservation Program,
- m. DWR SBX 7-7 Urban Stakeholder Committee Process,
- n. Watershed Management Plans, and
- o. Tuolumne and Calaveras County Local Agency Formation Commission Municipal Services Reviews.

In addition, water quantity and quality data are being collected by many of the agencies and interest groups such as the USFS GIS data, Tuolumne County's Stream Team volunteer water quality monitoring project, UC Cooperative Extension/USFS water quality monitoring, as well as, operational data collected by the water agencies. The individual members of the PGC also bring technical expertise in a number of critical resource areas of importance to IRWM plan preparation. A summary table of these programs/documents is included as Appendix E of this attachment.

As an IRWM Plan for the T-S Region has not yet been prepared, the Work Plan (Section II) that follows describes the data management strategy that will be implemented so that the



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existing and future data can be accessed by the stakeholders, and used to facilitate improved decision-making and adaptive management strategies for the programs/projects that are and will be undertaken as part of the proposed IRWM Plan.

Additionally, it is anticipated that the planning grant funds will allow for development of a T-S Region data management system to inform an adaptive regional management strategy inclusive of all applicable RMS from the State Water Plan. This will allow for a data management and reporting process that not only informs local and regional decision making, but also provides information within a regional context to the ongoing State Water Plan update processes. The T-S Region's planning process and implementation will also provide benefits to the State Water Plan process - a value added product to the State Water Plan.

A logical implementation and planning step is to utilize the IRWM process to better inform the more comprehensive State Water Plan updates carried out each 5 years. This would include a data management system designed to provide for a functional exchange of information with DWR. The data would be developed as programs and projects were carried out to evaluate the relative effectiveness, as costs, for State Water Plan RMSs that were deployed within the IRWM Region. Such a process should provide those developing the State Water Plan with a better perspective on the relative regional responses to the State Plan's strategies, as well as, their cost effectiveness and outputs. Improved data access within the region would also be a by-product.

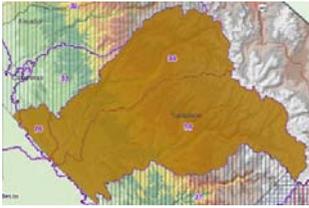
For there to be successes in large regional level ecosystem restoration and management efforts such as the Bay – Delta Program, such feedback and data dissemination from within the ecosystem and tributary watersheds will be

essential for funding to be optimized. Contribution of information from the tributary watersheds is a State objective for the Bay – Delta Program.

9. Integrated Resource Management Strategies

There are a number of resource management strategies that are described in the documents and programs summarized above and in Appendix E that have yet to be incorporated into a complete IRWM Plan. However, through participation in the T-S Region's Program, the technical expertise of the individual entities has resulted in an integrated "team" approach to resource management discussions so that the efforts of individual entities considers the interests and support of the other entities. This "team" approach provides the opportunity for development of integrated RMS through balanced and sustainable decisions by the PGC. In addition, the governance structure of the T-S Region represents a valid and committed "cross section" of water and other natural resource interests in the area that will allow for integrated resource management cooperation efforts beyond the funding grant cycle and well into the future. The T-S Region's team approach will be carried into the actual IRWM Plan preparation.

Each of the RMS within the State Water Plan Update (Bulletin 160-09) will be evaluated within the IRWM Plan and its implementation strategies. The PGC however, has also discussed a desire to see multiple benefit outcomes from planning and projects that mirror a desire for a balanced future condition within the watersheds of the T-S Region. These early discussions will be further expanded during the development of the Plan and the project selection criteria, but the PGC's stated intent on moving towards the integration of programs and projects indicates a



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strong commitment towards integrated resource management.

10. Anticipated IRWM Plan Implementation, Impacts and Benefits

As described above in Section 1, the PGC has developed governance and finance documents, as well as, an MOU (Appendix A), that describe how the T-S Region's Plan preparation and on-going PGC activities will occur. As an IRWM Plan has not yet been prepared, specific implementation activities and impact/benefit analysis have not been developed. However, as described above, there are many technical activities that are being initiated and completed by individual stakeholders, such as Stream Team water quality monitoring, planning activities of counties and agencies, etc. that are likely to be part of the IRWM Plan implementation. The intent of the T-S Region's Plan preparation effort is to build on ongoing efforts and identify those regional IRWM Program implementation efforts that can achieve the T-S Region's IRWM Program goals and objectives.

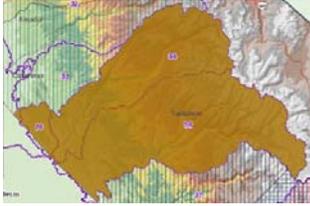
A key element of T-S Region's Plan implementation will be to follow the objectives of the Plan and the application of sound project selection criteria that mirror the PGC's commitment to integration of resource management strategies that maximize resource benefits in a sustainable fashion using efficient fiscal management.

The PGC expects that implementation of the IRWM Plan will promote collaboration throughout project implementation such that quantifiable ecosystem restoration, and improvement water supply and water quality benefits will occur in an integrated, cost and time efficient manner. The plan will integrate

activities, which will increase environmental education and stewardship, reduce conflicts and litigation potential, and through interregional cooperation, reduce challenge of export water proposals. Further, it is essential that the data management system be designed and maintained so that it can inform the PGC of the relative success of various RMS, programs and projects. This information will be a key to an implementation effort grounded on adaptive management and guided by an active and involved governance entity.

With the elements of collaboration, adaptive management and active governance in place, the T-S Region's Plan and Program can not only become the vehicle for guiding the investment of public fiscal resources, but it can also serve as the logical venue for resolving difficult matters of resource management policy in the T-S Region. This will require a regular IRWM Plan update process, which for the time being is anticipated to be coincident with the State's, own Water Plan updates (every 5 years), and with opportunities for more frequent amendments if warranted.

An IRWM Program in the future will require a community capacity to be developed from within the public agency members and as supported by the NGO membership that enables the program to be ongoing and funded, to the extent possible, from non-state funds. This will be a significant challenge given the relative size of the landscape within the T-S Region, the complex institutional tapestry that overlays the region and the current disconnect between communities of benefit and communities of place.



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11. Program Preferences including Statewide Priorities

The IRWM Program has identified a number of program preferences that were included in the California Water Plan (CWP) 2009 or other state policy documents or legislation. A summary of the program preferences that also include the Statewide priorities is provided as follows.

- 11.1 Include regional projects/programs,
- 11.2 Integrate water management within hydrologic region,
- 11.3 Effectively resolve significant water-related conflicts within or between regions,
- 11.4 Contribute to attainment of one or more objectives to Cal Fed,
- 11.5 Address critical water supply/quality needs of DACs,
- 11.6 Effectively integrate water management with land use planning,
- 11.7 For flood management, include projects that provide multiple benefits
- 11.8 Address Statewide Priorities of:
 - 11.8.1 Drought Preparedness
 - 11.8.2 Use and Reuse Water More Efficiently
 - 11.8.3 Climate Change Response Actions
 - 11.8.4 Expand Environmental Stewardship
 - 11.8.5 Practice Integrated Flood Management
 - 11.8.6 Protect Surface Water and Groundwater Quality
 - 11.8.7 Improve Tribal Water and Natural Resources
 - 11.8.8 Ensure Equitable Distribution of Benefits

Many of the program preferences and statewide priorities have been discussed, at the strategic or conceptual level, within the PGC during the

course of the 26 meetings that have been held to date. However, specific discussions in many topic areas have not yet occurred because the IRWM Plan has yet to be prepared.

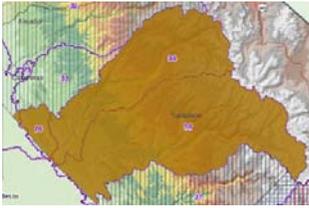
The ongoing technical efforts described above that are being undertaken by many of the stakeholders have started to address these program preferences and statewide priorities. Appendix E summarizes the completed and/or on-going activities and identifies the Program Preferences and Statewide Priorities that are being addressed through those activities. In addition, a brief narrative for each program preference or statewide priority follows:

11.1 Include Regional Projects/Programs - As described in the findings for the T-S Region's MOU:

“The parties recognize a need for working collaboratively in developing integrated water and natural resources management and watershed management coordination on a regional scale.”

As shown in the Appendix E table, there are several on-going projects/programs that support this statewide priority. Some specific examples include:

- a. CSRCD's Stewardship through Education Program in both Tuolumne and Calaveras Counties;
- b. TCRCD's Stream Team volunteer based water quality monitoring program;
- c. TUD's Regional Wastewater Treatment and Reuse Plan, Phoenix lake Preservation and Restoration Plan, and Tuolumne Ditch System Sustainability Project;
- d. CCWD Regional Wastewater Study
- e. USFS Tuolumne River Wild and Scenic River Management Plan; and



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f. USFS Water Quality Management on National Forest Lands in California: Best Management Practices

The T-S Region's Plan will build on these existing, on-going efforts, and an expected outcome of the IRWM Plan is the support and improvement of existing regional efforts, and identification of future regional programs/projects.

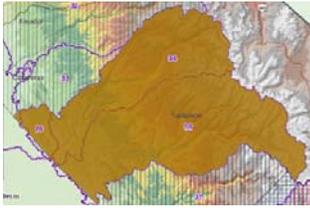
11.2 Integrate water management within hydrologic region - As discussed in Section 2 above, the boundaries for the T-S Region were largely selected based on hydrology because of the need to integrate water management within the upper Tuolumne River and Stanislaus watersheds. As described in Section 11.1 above, the plan will identify methods and processes by which the on-going and future water management activities will be evaluated to determine if there is value for the various activities to be integrated across geographic, political, and resource boundaries. This could mean interregional efforts both between adjoining IRWM Regions, as well as, those IRWM Regions representing the communities of benefit.

11.3 Effectively resolve significant water-related conflicts within or between regions - As described in Sections 2 and 6 above, through exploration of the T-S Region's boundary and the ongoing IRWM group meetings, a number of water-related conflicts both within and between regions have been identified that will be addressed during the T-S Region's Plan preparation. The IRWM planning and outreach process described in the Work Plan (Section II), both in the region and interregionally, will identify additional conflicts and opportunities for which resolution and partnerships may be advanced in the Plan. The PGC acknowledges the coordination that will need to occur during IRWM Plan preparation because of the inherent

interconnectedness between the upstream and downstream watersheds and the communities of benefit and of place.

11.4 Contribute to attainment of one or more objectives to Cal Fed - The T-S Region contains the two largest tributaries to the San Joaquin River. The San Joaquin is one of the two largest tributary river systems to the San Francisco-Bay Delta. It will be essential to efficiently use all water resources within the Delta ecosystem efficiently and effectively. To accomplish this it will be critical to invest in RMSs in those tributary watersheds that are effective and are sustainable. To make wise investments and implement adaptive management requires both a place to make decisions and resolve conflicts (the T-S Region's Plan will be one such place). Additionally, a sustainable data gathering system, coupled with an analysis and reporting system, can guide future investments so as to implement those RMS most effective to allow for attainment of the regional and Cal-Fed objectives.

As described above, during the T-S Region's IRWM Plan preparation, the coordination with entities that have water rights and infrastructure within the region but export water from the region will be critical to attaining Cal Fed objectives. In addition, IRWM planning efforts to improve water use efficiency (WUE) within the region, as well as, to restore the natural functions of the watersheds in a sustainable manner will be important within the T-S Region, as well as, downstream in the Sacramento-San Joaquin Delta. The T-S Region's Plan will evaluate and identify strategies to be implemented that reduce treated water consumption on a regional level. The development of an IRWM Plan will provide a regional context for information, projects, and actions to improve conditions within the Delta tributaries within this region.



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The additional deployment of strategies to improve the efficient use of water resources in the watersheds of the region is anticipated to be throughout the hydrologic cycle. That is, the efficiencies would include the broader management of the resources and landscapes, such as meadows, as well as, traditional urban WUEs.

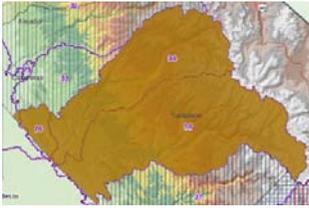
The efforts of local water agencies to improve the efficiency of their own systems will likely result in direct savings to offset, to a degree, the need for new water diversions to serve this T-S Region. These efficiencies may be carried out both by local water agencies, as well as, ATCAA's programs throughout the T-S Region.

As upstream efficiencies are achieved there are anticipated watershed-wide benefits, including those areas downstream such as those described in the Cal Fed program in the Delta and its primary tributaries.

11.5 Address critical water supply/quality needs of DACs - DACs have been identified within the T-S Region as shown on Figure 2. A few agencies that work with the DACs, e.g., ATCAA, have been identified that appear to be willing and experienced collaborators at identifying and addressing water supply and water quality needs of DACs. For example, ATCAA works exclusively in DAC areas and can conduct testing of water quality and supply at the residential level, as well as, implement improvements. As described in the Work Plan (Section II), identifying the water supply/quality needs of the DACs through outreach, and development of strategies to address identified issues will be an important part of the T-S Region's IRWM Plan preparation. It must be noted however, that a majority of the populated areas of the T-S Region are classified as DACs per the definition in the IRWM Section of Proposition 84.

11.6 Effectively integrate water management with land use planning - As described in the Appendix E documents/program table, efforts have already been initiated to integrate water management with land use planning. Some of the on-going and anticipated examples of this include:

- a. CCWD efforts to prepare the water element of the recently adopted Calaveras County General Plan,
- b. Inclusion of water and drainage infrastructure in the on-going Infrastructure Blueprint for Tuolumne County Public Works,
- c. TUD's Regional Sewer Advisory Committee,
- d. Agencies' more thorough and integrated review of updates to federal land plans with an eye towards how those updates are consistent with and complimentary to the IRWM Plan,
- e. Agencies' more comprehensive approach to flood management programs within the region that move away from the concept of flood control and basin planning, and towards a more integrated flood management and watershed planning approach,
- f. Evaluation of how improved flood channel conditions downstream of key reservoirs could lead to re-operation of existing reservoirs to provide more efficient water resources use and storage,
- g. TUD's Treated Water System Optimization Study (now underway), as well as, other water and wastewater master plans of other PGC members,
- h. Forest management and meadow restoration on the Stanislaus National



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Forest and adjacent private lands for improvement of ecosystem function to benefit water quality, help attenuate flood flows and improve late summer and fall streamflow, and

- i. Fuel load reduction and transportation system improvement projects conducted by the Stanislaus National Forest to benefit water quality by reducing post-fire erosion and road related stream sedimentation.

These initial efforts to integrate land use and water management will be furthered during the preparation of the IRWM Plan.

11.7 For flood management – include projects that provide multiple benefits - Generally the steep terrain of this IRWM Region reduces the probability of the large scale flooding experienced on the floor of the Central Valley. However, local communities, especially those historic communities located directly along streams have suffered periodic flooding. Each City and County General Plan is required to contain a Safety Element that considers the various risks to people and property within their jurisdiction. The General Plans within the T-S Region do contain basic safety planning but it is anticipated that the linkages between land management and resource management on federal lands can be improved in the context of the T-S Region’s Program.

Currently, efforts to identify and address localized flooding include:

- a. TUD’s Phoenix Lake Preservation and Restoration Plan,
- b. TUD’s Tuolumne Ditch System Sustainability Project, and
- c. City of Sonora’s Sonora Creek Watershed Study

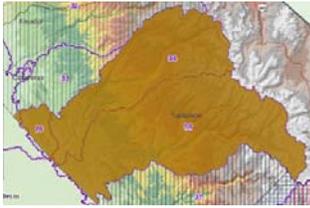
These initial efforts will be complimented by a more comprehensive linkage to identify multi-benefit flood management programs during the preparation of the IRWM Plan.

11.8 Address Statewide Priorities - The last Program Preference is for IRWM efforts to address the Statewide Priorities identified in the 2009 CWP. As discussed subsections below and in prior discussions, many of the Statewide Priorities are being addressed through on-going individual PGC member efforts. These initial efforts will be furthered during the preparation of the IRWM Plan.

11.8.1 Drought (hydrologic or regulatory) Preparedness - Urban water suppliers such as TUD, CCWD, and GCSD are keenly aware of the need for drought preparedness. As documented in the individual UWMPs, each agency has ordinances, water use efficiency measures, and water supply reliability measures to implement to be better prepared for future droughts. The statements of interests received from program participants, emphasize the need for non-water agencies and NGOs to also facilitate these concepts that support the region’s ability to be prepared for future droughts. The T-S Region’s Plan will evaluate the possibility of emergency supplies, agency or rights transfer agreements and cooperative arrangements, etc.

Additionally, GCSD’s water supply comes from the SFPUC Hetch Hetchy system. GCSD is thus impacted by SFPUC drought management constraints to the equivalent degree water users in the remainder of the system are impacted. This is an example of the linkage between “in region” users of water resources and those in another region (Bay Area IRWM Program).

The T-S Region’s planning process will provide a venue to evaluate the benefit of watershed restoration measures (including but not limited



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to upper Sierra meadow restoration) and forest management that could to some degree increase available water supply through proven restoration strategies. This again, underscores the linkage between drought preparedness and the efficient use of water throughout the hydrologic system so as to be better prepared for drought conditions, regardless of the cause.

11.8.2 Use and Reuse Water More Efficiently

- Similar to drought preparedness, both urban water suppliers and non water agencies have expressed the need to improve water use efficiency. This IRWM Plan will likely rely on WUE and recycled water to assist in meeting the water needs of the Region in the future. Each of the urban water suppliers implements water conservation programs. For example, TUD provides financial support for the Tuolumne County UC Cooperative Extension to present its Master Gardener program to promote water conservation in home horticulture by hosting workshops and events.

11.8.3 Climate Change Response Actions -

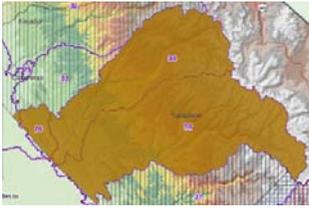
The DWR IRWM Plan Guidelines have identified that IRWM Plan must address both adaptation to the effects of climate change and the mitigation of greenhouse gas (GHG) emissions. Some T-S Region agencies have initiated climate change discussion in their planning efforts. An example of how projects can provide climate change benefits includes the implementation of recycled water systems as has been evaluated by CCWD and GCSO. The T-S Region's IRWM Plan will introduce the topic of Climate Change, its impacts on hydrology and water supply availability, as well as, the resulting effects on creek beds and channels and the ecologic life within the surface water bodies. The Plan will evaluate climate change as possible project selection criteria. The PGC intends to address climate change on a regional basis, as well as, include GHG

emissions in choosing between project alternatives.

11.8.4 Expand Environmental Stewardship -

As described in Section 11.1, several efforts are underway, primarily by NGOs, to improve environmental education, and therefore stewardship within the T-S Region. For example, the Stanislaus National Forest, TCRCD and other agencies conduct and support environmental education programs, as well as, provide interpretive programs on the national forest and on other lands. Some examples of this are summarized below:

- a. Great Sierra River Cleanup that included 2009 and 2010 event partners of TCRCD, TUD, Sierra Nevada Conservancy, Master Gardeners, TRT, USFS, and the County of Tuolumne;
- b. Meadow restoration outreach- TCRCD is currently working as subcontractors to Environmental Defense Fund, along with other regional partners, on an outreach program to promote meadow restoration projects on private meadows in the Sierra;
- c. CSERC facilitates work days and outreach to carry out watershed cleanups, and public education throughout the available field seasons;
- d. CSERC, through a school education program, reaches approximately 5,000 students a year and educates them on water awareness and wise water use,;
- e. TCRCD Watershed Coordinator, which provides broad support to community outreach such as the Stream Team volunteer water quality monitoring and environmental stewardship, etc.;
- f. TCRCD, Natural Resource Conservation Service, UC Cooperative Extension and



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others provide outreach events, brochures, and other materials to the public so that individuals can implement watershed best management practices (BMPs) on their own properties. In addition, these groups coordinate educational programs on noxious weed control, fuel load reduction, erosion control, and water quality and water conservation;

- g. The Stanislaus National Forest is implementing a meadow restoration project at Fiddler's Green that includes educational signs for the public; and
- h. TRT organizes a Paddle to the Sea event to raise funds and awareness to protect the Tuolumne River and its tributaries.

The T-S Region's IRWM Plan will describe these environmental stewardship efforts and identify activities to build on these on-going efforts.

11.8.5 Practice Integrated Flood

Management - As discussed in Section 11.7, additional efforts will be made to identify multi-benefit flood management programs, such as retrofit of urbanized area with low impact development measures, which will allow storm water percolation rather than directed runoff on impervious surfaces, as well as, restoration of meadows to store water to attenuate flood flows, during the preparation of the IRWM Plan. The IRWM Plan will identify agency responsibility and implementation priorities and systems.

11.8.6 Protect Surface Water and Groundwater Quality

- As described in Sections 8 and 11.1 above, the efforts to monitor water quality is the first step to identifying the problem and to develop plans to improve and protect water quality. TCRCD is provided funding by the Sierra Nevada Conservancy to analyze bacteriological samples in local creeks

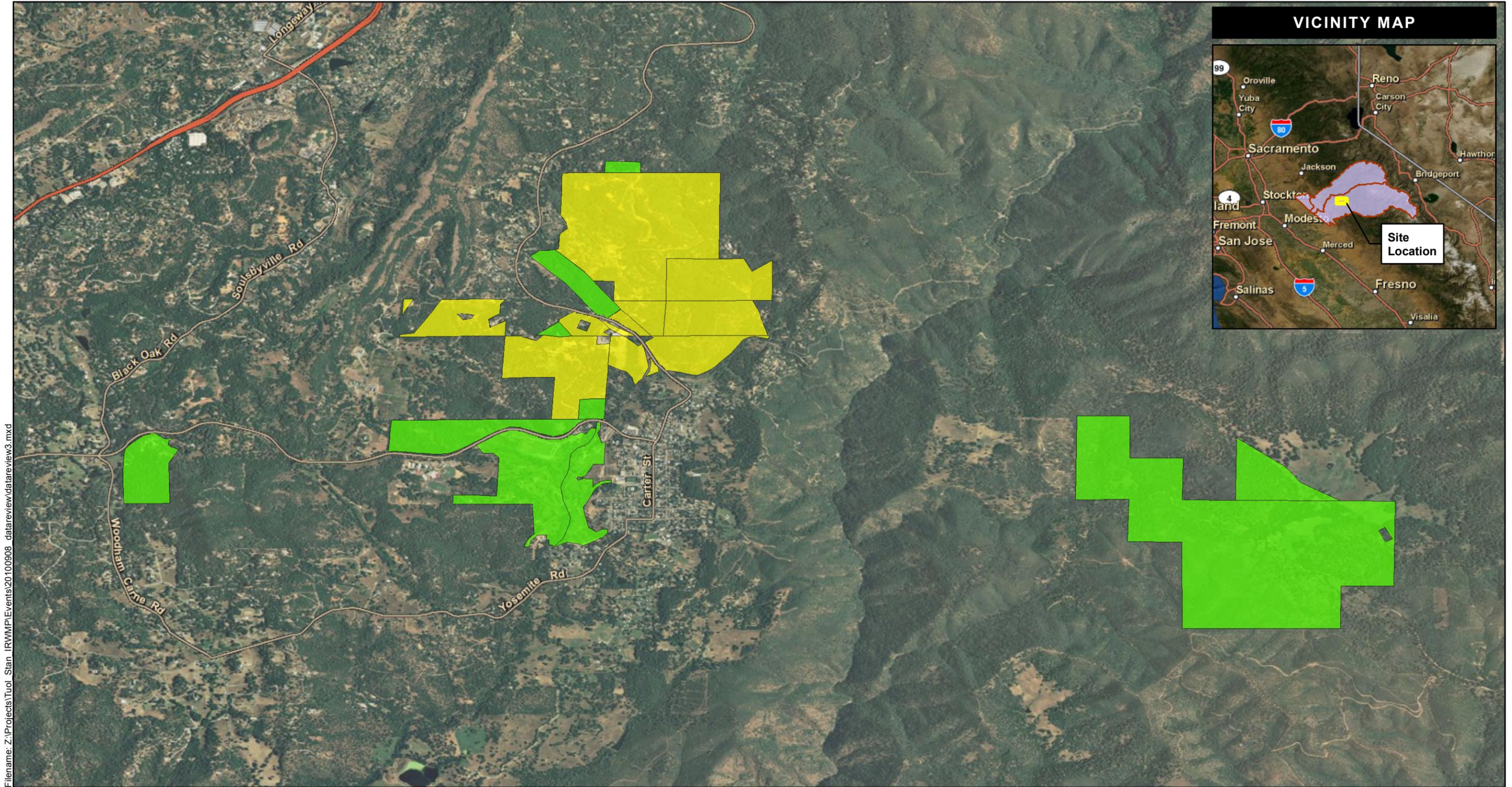
that are collected by the volunteer Stream Team program. The IRWM Plan will better describe these water quality monitoring and protection efforts, and identify activities to build on these on-going efforts.

11.8.7 Improve Tribal Water and Natural Resources

- The PGC has made contact with one of the tribes located within the T-S Region, which includes two bands of the Me-Wuk Tribe that are recognized by the Bureau of Indian Affairs. Figure 3 shows the location of the Tribal Lands within the T-S Region. Most recently, a representative of the Tuolumne Band of the Me-Wuk Tribe has started to attend the T-S Region's meetings and has provided input on the issues of concern to the Tuolumne Band. These issues include: water rights, groundwater sources, land management practices, land use planning, keeping county of origin water in county watersheds, water quality including sediment, erosion and other pollutants, and general concerns regarding ecosystem maintenance and restoration.

The Tuolumne Band of the Me-Wuk Tribe is also interested in the restoration of aquifers (springs) that were historically associated with Tribal gathering areas and Tribal use of natural resources. These aquifers have either been significantly reduced in volume and quality of water or have ceased to provide any water. The Tuolumne Band of the Me-Wuk Tribe would like to find the causes of this condition and if possible take corrective action. Based on the discussions of the PGC as described in Section 6 above, the issues and concerns of the Tuolumne Band are in alignment with the overall PGC.

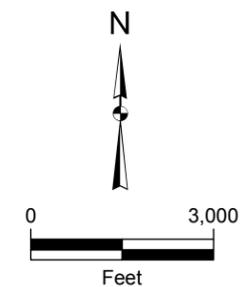
As described in the Work Plan (Section II), the PGC will work with the Tuolumne Band and the Chicken Ranch Band of the Me-Wuk tribe to identify water and other natural resources issues, and incorporate those issues and proposed solutions into the IRWM Plan.



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Legend

- Tribal Trust Lands
- Tribal Fee Lands
- Watershed Boundary
- IRWM Boundary



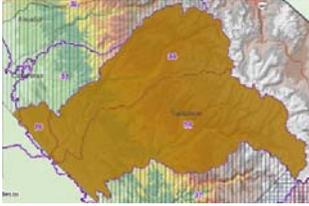
Kennedy/Jenks Consultants

Tuolumne-Stanislaus RWMG
 Tuolumne Utilities District, California

**Tuolumne - Stanislaus IRWM Region's Me-Wuk Tribe
 Tuolumne Band Tribal Lands**

K/J 1070021*00
 September 2010

Figure 3



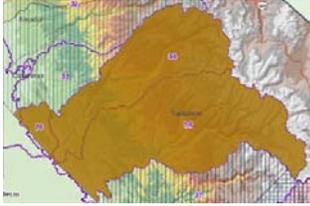
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11.8.8 Ensure Equitable Distribution of

Benefits - The T-S Region PGC's efforts have been to engage over 80 entities that represent a broad spectrum of resource interests that include:

- a. Wholesale and retail water purveyors,
- b. Wastewater agencies,
- c. Storm and flood water management agencies,
- d. City and county governments and special districts,
- e. Land and resource management authorities, non local (USFS),
- f. Environmental stewardship organizations,
- g. Landowner groups,
- h. State and Federal Agencies (CDF&G, USFS, and NPS-YNP),
- i. DACs (through local government),
- j. Resource conservation interests, and
- k. Tribal communities.

This broad public outreach effort has resulted in an inclusionary process that makes sure that the resource interests of this diverse group are represented in the IRWM Program in order to have an equitable distribution of benefits. This effort will continue during the preparation of the IRWM Plan as described in Task 2 – Public Outreach of the Work Plan (Section II).



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II. Work Plan

The Work Plan that follows describes the tasks and sub-tasks necessary to complete preparation of an IRWM Plan. As described in the Background discussion (Section I), the T-S Region does not yet have an IRWM Plan, but has laid a valuable foundation in the areas of public outreach, governance, and financial agreements so that an IRWM Plan can be prepared that reflects the needs and issues of the T-S Region.

Below is an outline of the tasks for IRWM Plan preparation. Each task and sub-task is described in greater detail within this section.

Task 1. Data Management Strategy and System Development and Implementation

- Subtask 1-1: Develop Phase 1 Data Management Strategy
- Subtask 1-2: Implement Phase 1 Data Management System
- Subtask 1-3: Baseline Data Analysis
- Subtask 1-4: Data Management System Transfer to PGC

Task 2: Public Outreach

- Subtask 2-1: Stakeholder Meetings
- Subtask 2-2: DAC Outreach
- Subtask 2-3: Tribal Outreach
- Subtask 2-4: Interregional Outreach

Task 3: RMS and Projects

- Subtask 3-1: RMS Identification/Evaluation
- Subtask 3-2: Project Selection Criteria (update)
- Subtask 3-3: Call for Projects and Project Presentations
- Subtask 3-4: Project Evaluation and Technical Analysis

Task 4: Prepare Draft and Final IRWM Plan (in alignment with IRWM Plan Standards found in Table 2 of Guidelines)

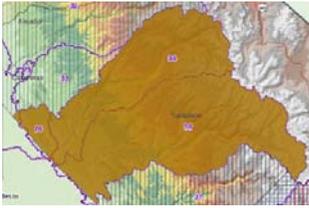
Subtask 4-1: Prepare Draft IRWM Plan

- Subtask 4-1.1 Glossary
- Subtask 4-1.2. Governance
- Subtask 4-1.3. Region Description
- Subtask 4-1.4. Objectives
- Subtask 4-1.5. RMS
- Subtask 4-1.6. Integration
- Subtask 4-1.7. Project Review Process
- Subtask 4-1.8. Impact and Benefit
- Subtask 4-1.9. Plan Performance and Monitoring
- Subtask 4-1.10. Data Management
- Subtask 4-1.11. Finance
- Subtask 4-1.12. Technical Analysis
- Subtask 4-1.13. Relation to Local Water Planning
- Subtask 4-1.14. Relation to Local Land Use Planning
- Subtask 4-1.15. Stakeholder Involvement
- Subtask 4-1.16. DAC
- Subtask 4-1.17. Coordination
- Subtask 4-1.18. Climate Change
- Subtask 4-1.19 Draft IRWM Plan

Subtask 4-2: Prepare Final IRWM Plan

Task 5: Grant Administration

- Subtask 5-1: Manage Grant Administration
- Subtask 5-2: Track In-Kind Costs
- Subtask 5-3: Prepare DWR Invoices
- Subtask 5-4: Prepare Quarterly Progress Reports
- Subtask 5-4: Prepare Final DWR Report



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Task Descriptions

Task 1. Data Management Strategy and System Development and Implementation

As described in the Background (Section I), there is an extensive body of work that encompasses many areas of water quantity, water supply, water quality and environmental data. One of the critical elements of the preparation of the IRWM Plan is to be able to identify and extract the most relevant information and document that information in the IRWM Plan. It is the intent of this task to not only identify the relevant data, but to define a data management strategy and implement a Phase 1 data management system that will allow for baseline data analysis to occur during the preparation of the T-S Region's IRWM Plan.

In summary, the first task of the IRWM Plan preparation effort will be to:

Subtask 1-1: Develop a Phase 1 Data Management Strategy which includes:

- Defining a data management vision and objectives
- Identifying available data
- Defining how data updates will be incorporated and analyzed so that “course corrections” to the IRWM Plan will be incorporated

Subtask 1-2: Implement a Phase 1 Data Management System which includes:

- Customizing existing Geographic Information System (GIS) geodatabase web-viewer to the identified IRWM data needs
- Uploading and linking documents and GIS data into the system

Subtask 1-3: Conduct a Baseline Data analysis, which includes:

- Collecting the data
- High-level review of existing reports
- Initial analysis of GIS data for water quality parameters, water supply, water quantity, and environmental data, as available
- Identifying data gaps, and recommend means and methods to fill those data gaps (e.g., field monitoring and surveys, white papers, studies, reports, and other data search)

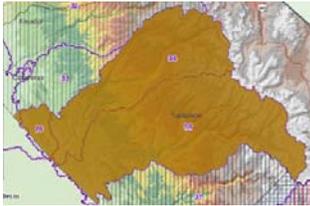
Subtask 1-4: Data Management System Transfer to PGC

- Identifying an entity to host the data after completion of the IRWM Plan
- Implementing hardware/software purchase and data transfer
- Training on the use and tools of the data management system

Each of these subtasks is detailed as follows.

Subtask 1-1: Develop Phase 1 Data Management Strategy - Given the large volume of existing information that is available to support this IRWM effort, it is expected that Data Management will have to be approached in phases. Phasing also allows for adaptive management strategies to be implemented for Data Management. This Phase 1 Data Management Strategy is intended to meet the needs of this initial IRWM Plan preparation effort, as well as, to provide some preliminary insights on future data management needs for subsequent IRWM Plan updates and project implementation review. This task includes several steps that will occur in parallel and can be summarized as follows:

- a. Formation of a Data Management Committee of the PGC that will be



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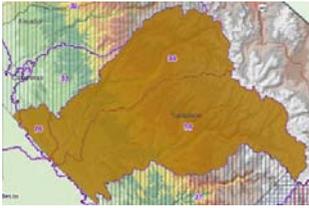
charged with defining a data management vision, objectives, and first phase data management strategy, selecting data to be managed in the first phase, identifying data update and analysis/reporting strategies, and identifying both current and future data that may need to be managed. Data Management Committee will likely have up to three (3) meetings outside of the monthly meeting calendar described in Task 2. It is anticipated that the Data Management Committee, working with the IRWM Plan facilitator and consultant will:

- i. Define an overall vision for data management for the IRWM. At a minimum, based on discussion with the PGC, the existing data needs to be consolidated and easily accessible and available to be used as a decision-making tool for the PGC agencies.
- ii. Present the data vision and data management objectives to the PGC for discussion and consensus in Meetings # 5 and/or #6 as part of the program objectives discussion as described in Task 2 below.
- iii. Review available data from subtask 1-1.b. below and select data to be managed within the first phase of the data management system.
- iv. Define a first phase of data management strategy that meets data management objectives including:
 - Identification of data update mechanisms;
 - Development of data analysis/reporting strategies

including data quality evaluation, how data will be analyzed and reported to document results of implementation of IRWM projects, benefits, lessons learned, adaptive management strategies that will be implemented, frequency of reporting, and how to incorporate data management results into future IRWM Plan updates;

- Determination of how data will be incorporated into ongoing State data management programs (e.g., GAMA, SWAMP, IWRIS, SBX7 6 CASGEM, etc.); and
 - Development of an outline for future data management needs and phases.
- v. Present Phase 1 Data Management Strategy to PGC for discussion and consensus in Meeting #6 as described in Task 2.
 - b. Preparation of a data request and data inventory, as well as, identification of the GIS and Information Technology (IT) capabilities of the various PGC participants in order to identify where the T-S Region's future data management systems will reside.

Concurrent with the activities of the Data Management Committee, the IRWM Plan consultant will prepare a data request that will be completed by the PGC and other stakeholders. The data request is expected to identify existing data structures and data availability within stakeholders including the following:



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- Hard-copy and Adobe Portable Document Format (PDF) reports included in the Appendix E list;
- Water quality data (spreadsheet, database, and Supervisory Control and Data Acquisition [SCADA] outputs);
- Water quantity data (gaging station data, meter data, diversion data, etc.);
- Water levels for California Statewide Groundwater Elevation Monitoring (SBX7 6 CASGEM), if any,;
- Water rights data;
- GIS coverages and attribute data;
- Hydrologic, operations and other models as relevant, etc.);
- Identified local flood hazard areas.

The data request is also expected to identify GIS/IT capabilities of the stakeholders and future data that may be of interest to the PCG such as:

- Water use efficiency gains,
- FERC licensing related flow data,
- Environmental in-stream flow requirements from IFIM modeling, and
- Phoenix Lake Preservation and Restoration Plan results, etc.

The responses to the data request will be tabulated into a summary spreadsheet for consideration in the Data Management Strategy to be developed by the Data Management Committee in subtask 1-1.a.

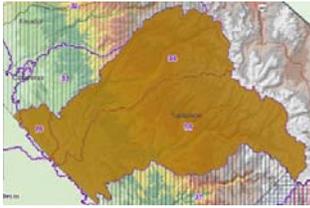
Subtask 1-2: Implement Phase 1 Data Management System - A GIS Web Viewer Data Management System that allows access to maps, attribute data such as water levels, water quality and stream gage data, as well as, a document library is planned for a Phase 1 Data Management System (Phase 1 System) implementation. Initially, this Phase 1 System and the data will be developed and hosted by an IRWM Plan consultant. However, the long-range goal is for the Phase 1 System to reside with one of the PGC members that has both GIS and IT support, which is further discussed in Subtask 1-4.

This task includes several steps that involve the GeoDatabase, a GIS Web Viewer, and linked documents and supporting data to meet the needs and objectives of the IRWM Program. This subtask includes the following:

- a. Uploading and linking available GIS spatial and attribute data, documents, etc. to create a T-S Region GeoDatabase, which is the common data storage and management framework for ArcGIS™. The GeoDatabase will combine geographic data (spatial) with descriptive data (attributes) to create a central data repository for management and technical decision support.

Data stored in the GeoDatabase and visible through GIS Web Viewer will include, but are not limited to the following:

- Base map layers will have county and city boundaries, water district boundaries, major roads, water supply or conveyance facilities, land use, IRWM planning boundaries, etc; Map layers will be in California State Plane Coordinate System (feet) using the North American Datum of



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1983 (NAD 83) for horizontal data and the North American Vertical Datum of 1988 (NAVD 88) for vertical data. Metadata will be compliant with Federal Geographic Data Committee (FGDC) requirements;

- Surface water watershed boundary layers;
 - Water quality sampling locations (e.g., from agencies and Stream Team);
 - Stream gage locations;
 - Local flood hazard areas;
 - DAC data based on Census Tract/Block Maps and Median Household Income attribute data;
 - Document library listing reports/documents included in Appendix E; and
 - Other data identified during Subtask 1-1.b. and deemed relevant for the purposes of the IRWM Plan preparation in Subtask 1-1.a. Up to 100 reports will be uploaded initially. Up to 100 hours for 20 layers of GIS data are assumed to be sufficient for uploading this Phase 1 data collection effort.
- b. Standardizing GeoDatabase design and configuring it to be as secure as the organization needs it to be is a vital step in developing a Data Management System. It will be fully secured within the local network, and partially accessible to the public for outreach purposes. The GeoDatabase will also have secured access with user names and

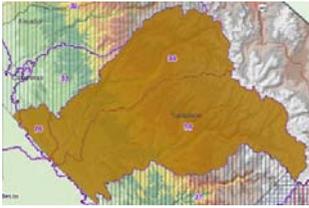
passwords assigned to levels of authorized access for PGC members.

- c. Customizing a template for the GIS Web Viewer based on GIS coverage and data identified in Subtask 1-1. The standardized GeoDatabase design as described above will be utilized to facilitate deploying GIS information to the Web. The Web Viewer will be compatible to ESRI, Google, or Bing mapping formats while the Microsoft Access database software will be used to manage water quality, water quantity, and other text or numerical data. In addition, links to Adobe Acrobat PDF reports will also be provided. The standardized Web Viewer design includes basic map navigation and content identification functions.

Subtask 1-3: Baseline Data Analysis

Once the Phase 1 data are uploaded into the Data Management System, a baseline data analysis will be performed of the GeoDatabase. This will occur in parallel with a high-level review of the reports identified in Appendix E. The result of the Baseline Data Analysis is expected to identify the following:

- a. Relevance of the existing information/data to the IRWM Program effort. The reports will be reviewed with the specific topics identified in the IRWM Guidelines so that the IRWM Plan can be prepared in Task 4. In addition, the data can be analyzed to develop technical information as requested, such as:
- Hydrological available surface water;
 - Constraints on surface water availability (e.g., water rights, in-stream flow requirements,



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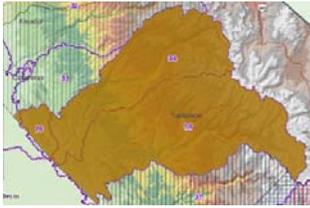
hydropower operational assumptions, etc.);

- Location of impacted surface water quality and relationship to hydrology for parameters such as coliform, sediments/turbidity, etc.;
 - Location of failing septic systems, etc.; and
 - Location of flood hazard areas.
- b. Data gaps that are important to the IRWM Plan preparation and the T-S Region will be identified and recommendations for future data collection will be provided. Example of where data gaps may exist include:
- Water quality data (especially coliform) in proximity to suspected failing septic systems;
 - Stormwater/drainage runoff data and proximity to drinking water sources, storage and conveyance facilities;
 - Gage/meter data to create an accurate water balance; and
 - Ecosystem health information in areas critical for biological habitats, such as locations of meadows slated for restoration.

The baseline data analysis and data gap recommendations will be presented in Meeting #14 as described in Task 2, and summarized in the IRWM Plan to be prepared under Task 4.

Subtask 1-4: Data Management System Transfer to PGC - It is the ultimate goal of the PGC to maintain the GeoDatabase at the end of the IRWM Plan preparation process. This includes hosting the online Web Viewer. This subtask includes the following scope of work items:

- a. Identifying an entity to host the GeoDatabase - Using the information on GIS/IT capacity of the PGC membership gathered in Subtask 1-2 and after discussion with the Data Management Committee, the PGC will identify the entity most appropriate entity to maintain the GeoDatabase and host the Web Viewer at the end of the IRWM Plan preparation process. Once identified, a brief transition plan to implement the Data Management System transfer (items 1-4.b. and 1-4.c) will be developed.
- b. Identifying the appropriate hardware and software for purchase - For budgetary purposes, the following hardware and software have been identified to meet the needs of the planned IRWM Program Data Management System:
 - i. Hardware specifications to include: one (1) data server and one (1) web application server; and
 - ii. Software specifications include: ESRI GIS software or Google / Bing map applications. The latter can be more cost effective but requires software customization by the IRWM Plan consultant.
- c. Facilitating hardware/software installation and data transfer – The IRWM Plan consultant will assist the PGC in the selection and installation of hardware and hardware. Afterwards, the GeoDatabase and Web Viewer will be uploaded in the data servers and implemented in the (software) IRWM Program Data Management System.
- d. Providing training and support services – The IRWM Plan consultant will provide documentation of the hardware, software



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and user manuals for the System. The consultant will perform one day (8 hours) training to a number of users to be determined by the PGC. In the future, the IRWM Plan consultant can provide long term support for the Data Management System via an on-call agreement with the PGC for all aspect of maintaining hardware and software, web hosting, and upgrading if requested.

Task 2: Public Outreach

The planned public outreach will build on the prior efforts initiated since 2007 in reaching out to and building a stakeholder community for the preparation of the IRWM Plan. The current activities of e-mailing agendas and meeting invitations, as well as posting of the agendas, meeting minutes, and video recording of the meetings to the IRWM web site will continue.

The Public Outreach effort will be facilitated by CCP, which will also be providing a facilitator for the Project Selection Criteria effort as described in the Background (Section I.7.) and in the following Subtask 2-1. Task 2 also includes focused outreach to the DACs and Tribal communities, and an Interregional outreach to adjacent IRWM Regions and other stakeholders with interest in the T-S Region IRWM Program. Task 2 is detailed as follows:

Subtask 2-1: Stakeholder Meetings

The stakeholder process is intended to build on the ongoing process, as well as, the 6 meetings facilitated by the CCP that are planned for the Project Selection Criteria that are scheduled between November 2010 through July 2011. A total of 24 monthly stakeholder meetings for the IRWM Plan preparation are planned for the period from April 2011 through March 2013. Table 2 outlines the proposed meeting topics for

each meeting. Agendas, meeting minutes and links to video recordings of meetings will be provided in an Appendix to the IRWM Plan to support Task 4. The results of the stakeholder meetings will be described and documented in the relevant section of the IRWM Plan.

Subtask 2-2: DAC Outreach

As described in the Background (Section I), there are several areas with DACs within the T-S Region. To date, it has been a challenge for the T-S Region to engage directly with the DACs because the DACs lack the resources to organize and participate in efforts like the IRWM Program. However, the T-S Region has recently identified agencies that are active in providing services to the DACs. These agencies are likely to be the most effective in understanding the water-related needs of DACs. These agencies include ATCAA that also now serves Calaveras County with energy efficiency and other services. This subtask will:

- a. Identify other potential DAC Outreach targets. Other targets that have been identified by the PGC include: Tuolumne County Community Development Block Grant (CDBG) contacts, Sonora Area Foundation, Area 12 Agency on Aging, Central Sierra Planning Council, and County Environmental Health Departments.
- b. Initiate telephone contact with DAC Outreach targets. Each entity will be contacted up to three (3) times to gather information, especially with regard to DAC water needs. The information from the phone contact will be incorporated into the IRWM Plan as part of Task 4.

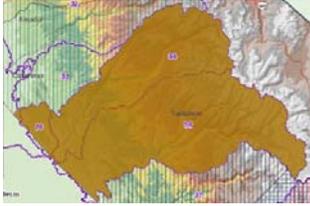
Table 2: Meeting Schedule for Plan Development

IRWM Plan/Meeting Topic	Specific Items to Discuss/Notes	IRWM Plan Development Meeting Topic Summary																							
		Mtg 1:	Mtg 2:	Mtg 3:	Mtg 4:	Mtg 5:	Mtg 6:	Mtg 7:	Mtg 8:	Mtg 9:	Mtg 10:	Mtg 11:	Mtg 12:	Mtg 13:	Mtg 14:	Mtg 15:	Mtg 16:	Mtg 17:	Mtg 18:	Mtg 19:	Mtg 20:	Mtg 21:	Mtg 22:	Mtg 23:	Mtg 24:
Governance	Review and update existing governance, include how plan will be updated and implemented in short and long term, and discuss balance of access/opportunity. Combine with Finance discussion	X																							X
Finance	Review and update existing finance plan. Combine with Governance discussion and then discuss again toward end of planning period.	X																							X
Project Review Process	Process will be developed in 9 months period from Nov-10 to July-11 under the \$30k DWR grant. Will review developed process prior to project presentations and Project Selection/Ranking meeting.	X	X	X	X Presentation											X review only					X review only				
Regional Description	Identify important cultural/social values to regional community and important economic trends. Confirm conflicts/issues. Majority of this section in the Plan will be developed using Grant Application description					X issues & conflits	X issues & conflits																		
Objectives	Determination of measurable IRWM Program/Plan objectives addressing water-related issues and conflicts of the region. Prioritize objectives or determine why prioritization is not appropriate.					X	X										X	X	X	X					
Stakeholder Involvement/DACs	Identify additional ways to involve DACs and tribal community and assign members to perform identified outreach tasks.					X	X				X update					X update	X	X	X	X					
Coordination	Identify coordination/cooperation with other IRWM efforts/groups and State/Federal agencies for proposed planning and implementation projects					X	X				X update				X update	X	X	X	X						
Data Management	Determine how and what data will be collected, stored, disseminated, updated and managed. Set up data collection system and begin collecting/managing data.	X Related to RFP			X Consultant Presentation		X				X update			X update			X update				X update		X update	X update	
Technical Analysis	Review list of available data/technical analyses and determine which will be reviewed/used for plan development. Determine if additional technical analysis/data needs to be performed/collected and develop future plan projects to address needs.								X	X	X	X	X	X	X		X	X	X	X					
Relation to Local Water Planning	Presentation of individual agency and regional water planning efforts including projected water supply and demands and summary of agency planning documents to be used for plan development and how the documents support regional efforts.								X	X															
Relation to Local Land Use Planning	Evaluate current relationship between local land use planning and regional water issues/objectives (including flood management, water quality, septic), determine needed projects, update of policies/procedures and future planning to be included in plan.											X	X	X											
Climate Change	Determine how effects of climate changes will be established for region, vulnerabilities of region, and potential adaptive responses. Determine ways to reduce greenhouse gas emissions.													X	X		X	X	X	X	X	X	X		
Integration	Discuss/determine/update Regional and Inter-regional project planning and implementation																X	X	X	X	X	X	X		
Resource Management Strategies (RMS)	Identify which RMS will be incorporated into the plan.																X	X	X	X	X	X	X		
Project Presentations	Presentation of proposed regional and Inter-regional projects for implementation, technical analysis, and other planning																X	X							
Project Selection/Ranking	Implement Project Selection Process to select and rank projects to be included in plan																		X	X	X	X			
Impact and Benefit	Determine plan/project potential impacts and benefits to Region, other regions, DACs and tribal community. Include with every project presentation.																X	X	X	X	X	X	X	X	
Plan Performance and Monitoring	Combine with Benefits and Impacts discussions																				X	X	X		
Consultant RFP and Selection		X																							
Consultant and Facilitator Contract Approval				X																					
Review of Draft Plan	Consultant to summarize review comments, and group to resolve conflicting comments.																X to date						X	X	
Review/Approval of Final Plan	Approve and sign final plan for submittal to DWR																							X	

Overlap with Center for Collaborative Policy Project Selection Criteria Meetings

Bold Xs indicate topic(s) are focus of Stakeholder Meeting

Non bold Xs indicate topics should be addressed as updates and/or supplemental to topics of main focus of Stakeholder Meetings



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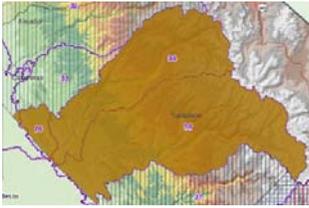
- c. Attend up to four (4) follow-up meetings with selected DAC Outreach targets. Follow-up meetings will likely be necessary to obtain additional information from the DAC Outreach targets since it is unlikely that many will be able to attend the T-S Region's monthly meetings. These DAC meetings will be used to discuss DACs issues and concerns, DAC water-related needs, and to identify opportunities to improve conditions in the DAC. The DAC meetings will also be used to assist DAC in developing projects for inclusion in the Plan as further described in subtask 2-2.d.
- d. Assist DACs with Call for Projects for inclusion in the IRWM Plan. Task 3 includes preparation of Call for Projects. Often, DAC and those who serve them lack technical resources to gather and prepare information to support project development. This item is intended to provide DACs with technical resources sufficient to develop up to four (4) projects for inclusion in the IRWM Plan. It is expected that project development will include activities such as identifying action items to implement the proposed project, preparing an initial technical analysis, and preparation of budget estimates for project implementation.

Subtask 2-3: Tribal Outreach

As described in the Background (Section I), there are two (2) bands of the Me-Wuk Tribe recognized by the Bureau of Indian Affairs in the T-S Region. Initial contact and participation has been made with one of the band. This task will expand the outreach to both bands of the Me-Wuk Tribe and result in identification of water-related issues and concerns, as well as, identification of potential opportunities to

address these water-related issues and concerns. Specifically, this task will:

- a. Contact tribal council leadership of the two (2) Bands of the Me-Wuk Tribe. Initiate and/or continue telephone contact with tribal council leadership for the Tuolumne Band and the Chicken Ranch Band of the Me-Wuk Tribe. Each band will be contacted up to three (3) times to gather information, especially with regard to Tribal water concerns. The information from the phone contact will be incorporated into the IRWM Plan in Task 4.
- b. Attend up to three (3) follow-up meetings with tribal council leadership. Follow-up meetings will likely be necessary to obtain additional information from the tribal council leadership since it is unlikely that many will be able to attend the monthly IRWM meetings. These meetings will be used to discuss tribal issues and concerns, tribal water-related needs, and to identify opportunities to improve conditions for the tribe. The meetings will also be used to assist tribal council leadership in developing projects for inclusion in the plan as will occur in Subtask 2-3.c.
- c. Assist tribal council leadership with Call for Project for inclusion in the IRWM Plan. Task 3 includes preparation of Call for Projects. This item is intended to provide tribal council leadership with technical resources sufficient to develop up to three (3) projects for inclusion in the plan. It is expected that project development will include activities such as identifying action items to implement the proposed project, preparing an initial



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technical analysis, and preparing budget estimates for project implementation.

Subtask 2-4: Interregional Outreach

Interregional outreach will occur on a range of levels to a variety of organizations as a result of the relatively complex water relationships that the T-S Region has as described in Section I.2 of the Background discussion. Interregional outreach will occur to the following types of organizations:

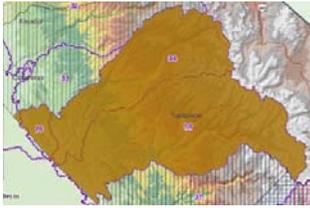
- Adjoining IRWM regions such as the MAC IRWM Region to the north and the Inyo/Mono IRWM Region to the east
- IRWM Regions that have common water interests, but are not geographically connected such as the Bay Area IRWM.
- Emerging IRWM Regions that are not yet approved including the Mariposa IRWM to the south and the Stanislaus County IRWM to the west.
- Entities with interests (e.g., water rights) and/or facilities within the IRWM Region such as PG&E, Tri-Dam (OID and SSJID), USBReclamation related to New Melones Reservoir, and TID/MID related to New Don Pedro Reservoir.

The outreach will be tailored to the needs of the IRWM Region, the interregional organization, and the level of relationship that has already been established with the organization. The specific outreach that is planned to occur for each organization is described in greater detail as follows:

- a. Adjoining IRWM regions: Communication/coordination/consultation/cooperation with adjoining IRWM Regions will include:
 - Review meeting agendas/minutes for past year of MAC and Inyo/Mono

IRWM and identify items of mutual interest from meetings.

- Obtain direct input from CCWD participation in the MAC IRWM to the T-S Region through participation in the monthly IRWM meetings and preparation of relevant materials to include into the T- S Region by CCWD PGC member.
 - Build on the existing relationship between the T-S Region coordinator and the Inyo/Mono IRWM and conduct up to two (2) follow-up telephone calls to get updates and discuss topics of mutual interest.
 - Information developed through the review and phone calls/meetings will be incorporated into the ongoing monthly meetings, as well as, into the IRWM Plan in Task 4.
- b. IRWM Regions that have common water interests: Communication/coordination/consultation/cooperation with the Bay Area IRWM Region will also build on the existing between the T-S Region coordinator and the Bay Area IRWM Region coordinator and will include:
 - Review meeting agendas/minutes for past year of Bay Area IRWM and identify items of mutual interest from meetings.
 - Conduct up to four (4) follow-up telephone calls and one (1) meeting to get updates and discuss topics of mutual interest.
 - Information developed through the review and phone calls/meetings will be incorporated into the ongoing



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monthly meetings, as well as, into the IRWM Plan in Task 4.

Based on prior discussions between the T-S Region coordinator and the Bay Area IRWM Region coordinator, there may be interest, in the future, in formalizing an interregional partnership and apply for grants from entities such as the Sierra Nevada/Coastal Conservancy and DWR to prepare a formal interregional IRWM Plan. The level of activity that is planned during the preparation of the IRWM Plan is intended to lay the foundation for more formal interregional planning in the future.

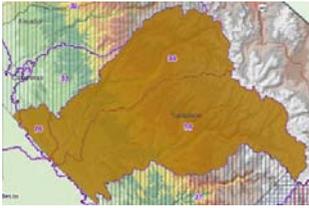
- c. Emerging IRWM Regions: The two (2) likely regions that will have activity during the IRWM Plan preparation period is the Stanislaus IRWM Region that involves entities such as the Cities of Modesto, Turlock, and Hughson, and the Mariposa IRWM Region. For both of these emerging regions, the following activities are planned for the T-S Region IRWM coordinator:

- Review meeting agendas/minutes that may occur during the April 2011 through March 2013 time frame and identify items of mutual interest from meetings.
- Conduct up to four (4) follow-up telephone calls and two (2) meetings to each emerging IRWM region to get updates and discuss topics of mutual interest.
- Information developed through the review and phone calls/meetings will be incorporated into the ongoing

monthly meetings, as well as, into IRWM Plan in Task 4.

- d. Entities with Interests and facilities within T-S Region: As with the other interregional outreach activities, the outreach to these entities need to be tailored to the mutual interests and is based on the level of interaction since 2007. An outreach plan for each entity is described as follows.

- PG&E – As operators of the water system that supplies the TUD water system, PG&E is a potential partner in water related projects. The T-S Region coordinator will conduct up to two (2) meetings with PG&E to discuss the Pinecrest Lake Level Study and other topics of mutual interest.
- Tri-Dam Irrigation-Hydroelectric Project–OID and SSJID, senior water rights holders on the Stanislaus River, are joint owners/operators of the project. The T-S Region coordinator anticipates conducting up to two (2) meetings with Tri-Dam to discuss topics of mutual interest.
- USBR – As operators of the New Melones Reservoir on the Stanislaus River, USBR is a potential partner in water-related projects. The T-S Region coordinator anticipates conducting one (1) meeting with USBR to discuss topics of mutual interest.
- TID/MID – As operators of New Don Pedro Reservoir on the Tuolumne River, TID/MID are potential partners in water-related projects. It is likely that this contact



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needs to be made on an agency to agency basis based on the topics of interest and will therefore will include up to two (2) meetings of the TUD General Manager and the T-S Region coordinator with TID/MID staff.

- SFPUC - As operators of the Hetch-Hetchy Water and Power System, SFPUC has significant interests in the Tuolumne River that are governed by the federal Raker Act. Additionally, they supply water to GCSD. It is anticipated that the T-S Region coordinator will conduct up to two (2) meetings with the SFPUC's Manager of the Hetch-Hetchy Water and Power System to discuss topics of mutual interest.

Information developed through these phone calls/meetings will be incorporated into the ongoing monthly meetings, as well as, into IRWM Plan in Task 4.

Task 3: RMS and Projects

Once the objectives, issues and concerns are identified in the public outreach process described in Task 2-1, identification and evaluation RMS and projects is an important next step in the IRWM process. As summarized earlier, there are four (4) major subtasks in this task, each of which is described in greater detail as follows:

Subtask 3-1: RMS Identification/Evaluation

This subtask is to provide an evaluation of the RMS found in Table 3 of the Proposition 84 Guidelines for relevance to the T-S Region. The RMSs include seven (7) broad strategies with 32 sub-strategies. In addition, Land Use Planning, which is also a RMS identified in the State

Water Plan Update (Bulletin 160-09) Vol. 2, Chapter 24, will also be evaluated. The RMS identification/evaluation will occur as follows:

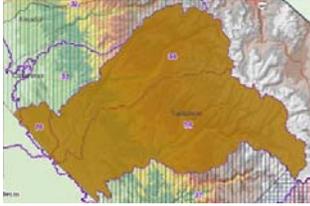
- a. Provide high-level matrix analysis of the 32 sub-strategies and Land Use planning for relevance to T-S Region.
- b. Present discussion of RMS to be included in the IRWM Plan in Meeting #15 and obtain consensus of the PGC.
- c. Identify examples of RMS currently in progress and how they relate to the T-S Region's issues and concerns, as well as, Program Preferences and Statewide Priorities (including climate change).

The RMS evaluation matrix, a narrative to describe the evaluation matrix and final outcome, as well as, any recommendations will be described and documented in the IRWM Plan in Task 4.

Subtask 3-2: Project Selection Criteria (update)

As described earlier in the Background discussion (Section I.7), the CCP will have completed a Project Selection Criteria process in July 2011, which will lead directly into the T-S Region's IRWM Plan preparation effort. Since the IRWM project discussion is not likely to occur until about July 2012, it will be useful to review and update, if necessary, the Project Selection Criteria prior to applying them to the Project Evaluation process (Subtask 3-4). The specific activities are described as follows.

- a. Describe outcome of CCP Project Selection Criteria facilitation effort (assumed to include a peripheral discussion of program objectives and Program Preferences)
- b. Confirm project selection criteria with PGC (for inclusion in Subtask 3-3 Call for Projects)



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It is expected that both of the activities in this Subtask will occur in Meeting #15 and any changes documented in the IRWM Plan in Task 4.

Subtask 3-3: Call for Projects and Project Presentations

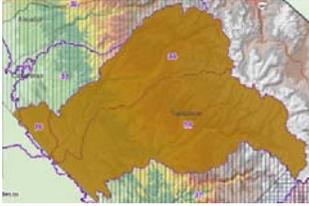
Once the general RMS evaluation has occurred and the project selection criteria are confirmed, a specific Call for Projects will occur. This will include preparation and issuance of a Project Information Sheet that will be completed by project sponsors to describe their project ideas and concepts. The Call for Projects will be followed by a structured Project Presentation to the PGC to allow all participants to ask questions and assist in project refinement. The projects will then be evaluated in Subtask 3-4 that follows. The specific Call for Project and Project presentation process is described more fully as follows:

- a. Prepare Call for Projects information sheet for completion by project sponsors – The information will include relevant information regarding the proposed project. It will include a written project description, maps/graphics, a description of cooperating entities, a description of how the project integrates with other projects within the T-S Region and interregional opportunities (if applicable), a summary of work completed to date, project implementation budgets and schedules, a summary of project benefits and issues (especially quantifiable benefits), and a matrix for project selection criteria, Program Preferences, Statewide Priorities, integration, etc. The information sheet will be presented to and reviewed by the PGC.

- b. Once the Call for Projects is issued, project sponsors will likely have four to six (4-6) weeks to complete and submit project information sheets. Questions related to the data to include in the Call for Projects information sheet will be answered during this time period. This is the time period during which assistance will be provided to the DAC and Tribal communities to prepare project information sheets for their projects as described in Task 2 above.
- c. Following submittal of the project information sheets by the project sponsors, the information will be compiled and summarized in a matrix for evaluation in Subtask 3-4. The project information sheets will be provided in an Appendix of the T-S Region's IRWM Plan.
- d. Project sponsors will then have an opportunity to describe and present their projects in a structured Project Presentation during Meetings # 16-17. If necessary, these two meetings may be held in consecutive days (or within a single week) so as to not lose continuity in the process. A presentation template will be prepared and provided to project sponsors so that similar information is provided for consideration by the PGC. During the project presentation, meeting participants can ask questions of the project sponsor so that the most complete picture of the proposed project will be provided.

Subtask 3-4: Project Evaluation and Technical Analysis

Once projects to be considered for inclusion in the T-S Region's IRWM Plan are identified in Subtask 3-3, the project evaluation and technical



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analysis phase will begin. It is proposed that a separate Project Evaluation Committee (PEC) of up to six (6) members be identified to provide a more in-depth review and evaluation than could be provided by all of the PGC members. Ideally, the PEC will be identified prior to Meetings #16 – 17 so that the PEC will be present for all of the project presentations. The PEC will apply the Project Selection Criteria and develop a preliminary project ranking for consideration by the PGC. The individual steps are outlined in greater detail as follows:

- a. Identify Project Evaluation Committee of up to six (6) members of the PGC. The individuals will be committed to attending all of the meetings including project presentations, project evaluation, as well as project ranking.
- b. With the assistance of the facilitator and the IRWM Plan consultants, the PEC will conduct an evaluation of the projects submitted using the Project Selection Criteria, the Call for Projects information sheet, and information presented in the Project Presentations. The evaluation will occur during Meetings #18 -19 and will be open to any member of the public.
- c. The PEC will arrive at preliminary project rankings by the end of Meeting #19 or, if for some reason it cannot arrive at a project ranking, the PEC will return to the PGC for additional direction and guidance. It is expected that the PEC will not only arrive at preliminary project rankings, but will also make recommendations for consolidation of projects and make suggestions to improve projects. These recommendations and suggestions will be made during Meeting #19.
- d. It is anticipated that preliminary project rankings will be appealed to the PGC membership and consensus around revised preliminary rankings will be obtained.
- e. Additional discussion regarding the preliminary project ranking, as well as introduction of revised and/or consolidated projects will be made in Meeting #20 to the PGC. It is expected that additional discussion and re-ranking of projects will occur during Meeting #20;
- f. A final ranking of projects will be presented to the PGC in Meeting #21 and PGC consensus for project ranking will be gained during this same meeting.

The many activities of this task will be documented in the IRWM Plan in Task 4.

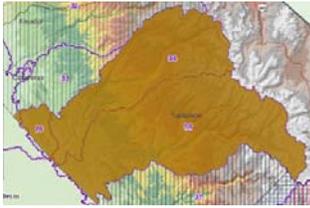
Task 4: Prepare Draft and Final IRWM Plan

The preparation of the T-S Region's IRWM Plan will be an integration of information and discussion from the meetings held in the public outreach process as well as information gained from reports that have been/are being prepared, as well as, data analysis/evaluation conducted in preparation for the stakeholder meetings. Each subtask below links to the IRWM Plan Standards described on pages 18 through 24 and Appendix C of the Proposition 84 and 1E IRWM Guidelines (August 2010) and will result in a written draft T-S Region IRWM Plan section.

Subtask 4-1: Prepare Draft IRWM Plan

Subtask 4-1.1 Glossary

This subtask will occur early in the IRWM plan development process and is to prepare a glossary of terms and definitions to be agreed



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upon by the PGC. Terms could include those defined by the IRWM Guidelines, developed by the RWMG, or other participants. These terms will be used in the preparation of T-S Region Plan documents and other written materials developed during the preparation of the T-S IRWM Plan. The glossary will be reviewed by the IRWM Review Committee prior to incorporation in the T-S Region's IRWM Plan.

Subtask 4-1.2. Governance

As described in the Background (Section I.1.), the RWMG has developed a governance structure and has 20 signatories to the MOU agreeing to the terms and conditions of the governance structure. This subtask is to review the existing governance document (found in Appendix A to this attachment); discuss and update the governance structure, if necessary in Meeting #1 as shown in Table 2; and prepare a narrative describing the T-S Region's governance in the IRWM Plan that will be used to administer the Plan, provide for amendments and technical updates, and guide the Program's implementation. Local community capacity to carry out long-term administration of the T-S Region's IRWM Plan and Program will be identified as a governance component for sustainability.

The PGC anticipated that the review for potential updates to the governance structure would also address the methods whereby the IRWM Plan (once completed) may be technically updated and/or formally amended. The PGC anticipates that the IRWM Plan will be a "living" document and as new information or data becomes available it could be incorporated into the Plan. Additionally, where new projects are proposed they could also be considered for inclusion in the Plan. The PGC currently supports distinguishing between technical updates to the plan as opposed to significant formal amendments in recognition

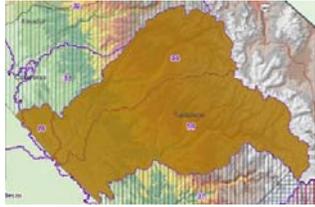
for the need for flexibility in the Plan through implementation.

Subtask 4-1.3. Region Description

As described in the Background (Section I.2.), during the RAP, the RWMG began to identify and define the region. This subtask confirmation of objectives, conflicts, and social and cultural makeup of the region which will be developed through the stakeholder meetings discussed in Subtask 2-1. Additional elements required for the regional description with the Plan will be developed through review of existing documents/reports.

Table 3 that follows indicates whether existing information exists for a specific item or sub-item of the region description that can be incorporated in the T-S Region's IRWM Plan or whether the information needs to be researched and developed for the Plan. Table 3 describes how information and the lists the sources of information that will be used to develop the item or sub-item of the regional description.

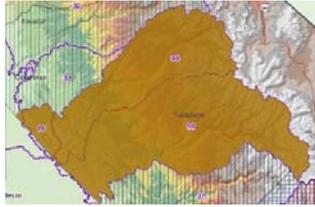
In addition, the regional description will expand on the location, size, ownership and nature of existing man-made water storage facilities for municipal and hydroelectric purposes. To the extent possible, the nexus between ownership of these facilities within the region and the location of the beneficiaries of the facilities will be further detailed. The community of place (the T-S Region) has large areas with DAC residents while the communities of benefit (downstream and in the Bay Area) consist largely of non DAC residents, which further illustrates the loss of benefits to the T-S Region.



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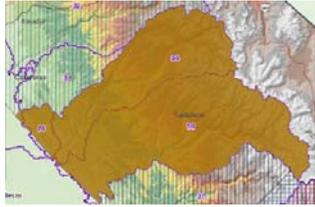
Table 3: Region Description Information Summary

Region Description Item	Region Description Sub -Item	Existing Information	Other Information to be Developed/Incorporated for IRWM Plan
Description of Watersheds/Water System	Natural and man made water-related infrastructure	Water master plans, TUD Ditch System Sustainability Project, GIS shape files	Discuss existing infrastructure of agencies with service areas outside of the T-S Region
	Flood management infrastructure	County Department of Public Works	
	Land Use divisions	General Plan/Stanislaus National Forest Land and Resource Management Plan/GIS shape files	
	Groundwater quantity and quality	Bulletin 118, General Plan	
	Surface Water quantity and quality (including impaired water bodies)	Water Agencies/USGS gaging stations. USFS, NPS, RWQCB Basin Plan.	
	Reclaimed water quantity and quality	Water and Wastewater Agencies	
	Imported/desalinated water quantity and quality	Water Agencies	
	Exported water quantity and quality outside the Region of Origin	SFPUC/MID/TID/OID/SSJID/ USBR records of water supply	
	Areas/Species of Special Biological Significance/Sensitive Habitats	USFS/NPS/NGOs	
Description of Internal Boundaries	County/Municipalities/Water/Wastewater/ Flood Control/Land Use Agency boundaries	GIS shape files	
	Watershed/groundwater basin boundaries	Watershed: GIS Shape files	Groundwater: It will be verified whether Littlejohn's Creek overlies a portion of a Bulletin 118 Groundwater basin



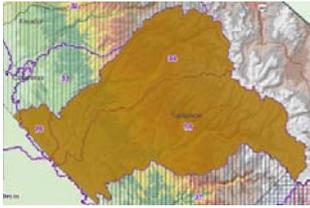
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Region Description Item	Region Description Sub -Item	Existing Information	Other Information to be Developed/Incorporated for IRWM Plan
Description of Water Supply and Demand	For Urban Water Suppliers – water supply and demand projections for 20-years	2010 UWMP update	
	For agricultural and unincorporated areas – water supply and demand projections Non Urban Water Supplier agencies that supply wholesale/retail ag and municipal water.	UWMP Updates- Water agencies that deliver agricultural water	Use CDOF or County population projections and per capita water use estimates for M&I estimates, Contact Water Agencies and Farm Bureau for agricultural water needs;
	Environmental Resource/Ecological water demand requirements	SWRCB Water Rights Conditions, Wild and Scenic River Management Plans/Tuolumne Ditch System Sustainability Project/FERC Relicensing Documents/Raker Act and Supplements	Estimate recreational demands, statutory flows for environmental benefits (e.g., Wild and Scenic River flows; Hetch Hetchy releases, etc), and demands for riparian habitat from ditch leaks and tail water flows
	Effects of climate change on water supply and demand	DWR climate change resources	
Water Quality in Region	Comparison of current and future (proposed) water quality conditions in the T-S Region	Data from Water/Wastewater Agencies, USFS and TCRC&D Stream Team	Develop water quality goals
	Water quality protection and improvement needs or requirements in the T-S Region	Water and Wastewater Agencies/USFS/RCD/ SWRCB Basin Plan information	Discuss non-relevance of CV salts
Description of Social and Cultural Makeup of IRWM Region	Identify important cultural/social values	Rural communities that want well planned expansion, ranching, outdoor recreation, tourism, and wise resource utilization	Discuss socioeconomic reality of IRWM region and DAC, also discuss downstream beneficiaries of resources of the IRWM region
	Identify DACs in T-S Region	2000 Census Tiger shape and data attribute files	Update with 2010 Census data as it becomes available



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Region Description Item	Region Description Sub -Item	Existing Information	Other Information to be Developed/Incorporated for IRWM Plan
Description of Social and Cultural Makeup of IRWM Region (cont'd)	Describe economic conditions/important economic trends in the T-S Region	Tourism, growth of small-scale agricultural operations including olives and vineyards, ranching, retirement destination, changes in timber industry, and other sustainable year-round economic development opportunities, some of which are described in County/City General Plans	
	Describe efforts to involve/collaborative Tribal government representatives	Coordination with Tribal Council of MeWuk Tribe Tuolumne Band and Chicken Ranch Band	
Description of Major Water Related Objectives and Conflicts	Issues within the Region that focus on objectives/implementation strategies/implementation projects to provide resolution	Some discussion as found in Background (Section I)	Will be further detailed in Project Selection Criteria Work that is funded separately and will be confirmed in Meetings #5 and 6.
	Issues outside of the Region that focus on objectives/implementation strategies/implementation projects to provide resolution	Exporting of surface water supply from the Region of Origin	From Subtask 2-4 – Interregional Outreach
Explanation of Regional IRWM Boundary	How region boundary was determined and why Region is appropriate area for IRWM planning	RAP Application	
Identification of Neighboring/Overlapping IRWM Efforts	Explanation of planned/working relationship that promotes cooperation and coordination between regions	Described in Background (Section I)	From Subtask 2-4 – Interregional Outreach



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Subtask 4-1.4. Objectives

As described in the Background (Section I.7), the RWMG is in negotiation with DWR⁴ for a \$30,000 grant that includes the assistance of the CCP in the development of Project Selection Criteria for the T-S Region. This grant will be underway from approximately November 2010 through July 2011 and will include facilitated discussions that will, as part of development of Project Selection Criteria, result in discussion around T-S Region Plan objectives. It is expected that the Project Selection Criteria and related Objectives will be finalized at an IRWM meeting in July 2011. The work product resulting from CCP's Project Selection Criteria work will be edited and incorporated into the T-S Region's IRWM Plan. It is expected that the topic of Plan objectives will be revisited from time to time during the IRWM stakeholder meetings. Therefore, prior to inclusion into the draft IRWM Plan, the review of objectives will be agendaized in Meeting #19 for formal discussion.

Subtask 4-1.5. RMS

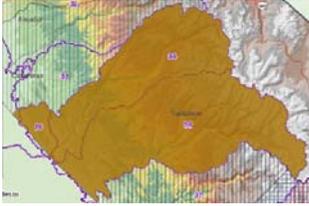
As summarized in the Background (Section I), it is acknowledged that the seven (7) broad categories of RMS and 32 subcategories (including land use management RMS) of RMS found in Table 3 of the IRWM Proposition 84 Guidelines will be described and evaluated for applicability to the T-S Region. This subtask will prepare written documentation and narrative of the process performed in Subtask

3-2 above to identify and evaluate RMS, in general, and for specific projects that represent selected RMS. The T-S Region's Plan RMS section will describe:

- The process under which the RWMG considered/evaluated and included those RMS that help meet the T-S Region's Objectives.
- The resulting matrix analysis performed to evaluate RMS, in general, in the T-S Region.
- The range of RMS/projects identified during the Call for Projects process. A table summarizing the RMS/projects will be prepared for the IRWM Plan. The more detailed Call for Projects information sheets and project presentations will be attached in an Appendix to the Plan.
- The RMS identified and evaluated through the IRWM effort including individual agency's efforts in RMS development and the collaboration that is already occurring. The existing plans that build and identify foundational RMS/projects for the Region as identified in Appendix E to this Attachment (e.g., TRT and CSRCD on water quality efforts, USFS and other agencies efforts and studies on forest meadows restoration, City of Angels Camp adopted General Plan, Tuolumne County General Plan, Stanislaus National Forest Plan, Yosemite National Park–Tuolumne River Management Plan, agencies UWMPs, FERC license renewals, transportation plans, Office of Emergency Service plans, and other plans and reports).

⁴ DWR contact for \$30,000 Project Selection Criteria Development Grant is:

**Ms. Christina McCready, Chief
Regional Planning Branch
Division of Integrated Regional Water Management**
901 P Street, 2nd Floor
Sacramento, CA 95814
Direct: 916-651-9298, Mobile: 916-812-3530
Email: mcready@water.ca.gov



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- The RMS that were rejected as not applicable (e.g., Desalination, Central Valley Salts activities, etc.) and why.
- Future efforts to be conducted by individual agencies/NGOs and RWMG to advance development and update of RMS.

Subtask 4-1.6. Integration

Integration of projects and programs within the T-S Region has been and will be considered during all phases of the IRWM Plan preparation. During the development of the CCP Project Selection Criteria, IRWM Program preferences, including integration, will be discussed and included in project selection criteria and objectives. During the Call for Projects and subsequent project presentations and evaluation, opportunities for integration of project components to increase project effectiveness and benefits will be a critical discussion element during those meetings.

This subtask will prepare written documentation and narrative of the process performed in Task 3 above to integrate project/program elements to maximize benefits. The IRWM Plan Integration section will:

- Describe the results of the integration-related discussions of the T-S Region's Meetings;
- Use the results of the Call for Projects and project presentations to fully describe how individual projects/programs integrate with each other and across RMS;
- Document how stakeholder/institutional integration will occur across resource areas;
- Describe how project implementation integration will occur; and

- Discuss IRWM Plan elements that incorporate integration.

Subtask 4-1.7. Project Review Process

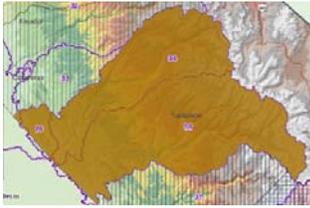
As described in the Background (Section I), foundational work in Project Selection Criteria, and some objectives discussion/development will be performed by the CCP in the November 2010 to July 2011 timeframe. This foundational work by the CCP will flow into Subtask 3-2 as described in Task 3 above. Subtask 4-1.7 will prepare written documentation and narrative of the process performed in Task 3 to review projects using criteria developed by the RWMG with assistance by the CCP. This IRWM Plan Project Review section will describe:

- Procedures for submitting a project to the IRWM Plan;
- Procedures for review of projects for implement in the IRWM Plan;
- Procedures for communicating the list(s) of selected projects, as well as, describe how factors for project review will be implemented; and
- How stakeholder input will be incorporated in project review and prioritization.

Subtask 4-1.8. Impact and Benefit

As described in Subtask 3-4 above, one of the key elements of the Project Review process will be to analyze the projects for impacts and benefits. This will be done through a multi-step process that includes:

- Definition of Impacts and Benefits for the T-S Region – including local, regional, interregional, by resource (e.g., surface or ground water quantity/quality, ecological/environmental/habitat/watershed, etc.) and will be specific to the T-S



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Region. This will be introduced at Meeting #15.

- Call for Projects and Project Presentation – these project development stages will include discussion of impacts and benefits from the perspective of the project sponsor.
- Project/Program Evaluation – this allows a larger group discussion to identify other impacts and benefits (and opportunities for integration) of a project.

It is anticipated that an adaptive management strategy will be used during the project evaluation process. This may result in refinement/adjustment of impact and benefit definitions and projects may be re-evaluated with these refined impact/benefit definitions in mind. This may also vary depending on the level of the impact and benefit evaluation (e.g., program, project, RMS, and objectives).

This subtask will result in a matrix evaluation of a program (i.e., groupings of related and/or integrated projects) and/or individual projects. The matrix will be supported with a narrative describing the definitions and the evaluation process.

Subtask 4-1.9. Plan Performance and Monitoring

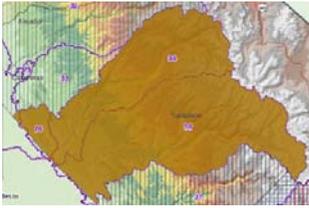
This topic is integrally related to the data management strategy developed and implemented in Task 1 and documented in Subtask 4-1.10. One of the outcomes of Subtask 1-1 will be a process by which data will be collected and analyzed that will monitor whether the implementation of the IRWM Plan, its programs and projects are resulting in progress towards meeting the Plan objectives, and by extension, Statewide Objectives.

Subtask 1-1 will identify and document who will be responsible (or how responsibility will be assigned) for IRWM Plan monitoring and for collecting information related to specific projects. The resulting data management strategy will describe frequency of evaluation, data management systems to be implemented, generalized content of project-specific monitoring including review of data quality requirements and how the data management system will be used to monitor IRWM plan implementation. The data management system will be used to monitor how the projects are meeting IRWM objectives and identifying lessons learned/findings from project specific monitoring to improve future project implementation.

The information gathered during the conduct of Task 1 will be edited to create a cohesive narrative that documents the plan performance and monitoring efforts for IRWM Plan implementation for the T-S Region.

Subtask 4-1.10. Data Management

As discussed in Subtasks 1-1 and 1-2, a summary of the work completed in Task 1 will be prepared in this subtask. This IRWM Plan section will also discuss how data management will occur for the IRWM Plan after the planning process is complete and the T-S Regions begins to implement projects, and conduct additional studies and investigations. This section will include discussion of data needs, typical data collection systems, stakeholder contributions to data, systems for data management that will be available for participants and the public (e.g., public web site, RWMG only access site, etc.), and identify the entity responsible for data maintenance, data validation procedures and distribution of stored data to State databases.



Tuolumne - Stanislaus IRWM Proposition 84 Planning Grant Proposal Attachment 3: Work Plan

Subtask 4-1.11. Finance

To the extent that Subtask 3-3: Call for Projects and Project Presentations results in capital and operations maintenance cost estimates for projects/programs to be implemented under the T-S Region's Plan, a planning-level financial analysis will be performed. This financial analysis will describe the estimated financing that will be required to implement the plan, provide a description of the sources of funding for implementation (e.g., rates, connection fees, taxes, loans, grants, bonds, etc.) as well as the certainty of obtaining the funding. The description will also include discussion of past experience by the IRWM member agencies with obtaining the various types of funding.

Financing for each implementation project, as well as, a summary of potential funding sources for each project will be tabulated for inclusion in the IRWM Plan. A narrative describing the table will be prepared as appropriate and necessary.

Subtask 4-1.12. Technical Analysis

As described in the Background (Section I), there is a vast body of technical work supporting the development of the T-S Region's IRWM Plan. The technical analysis to be documented in the IRWM Plan will include items such as:

- Identification of the data (e.g., population, UWMP data, ecological studies, agriculture water studies) that quantify water supply needs.
- Description of hydrologic, operations, and other modeling that describes the quantity of water and frequency of availability in the watershed.
- Description of existing water quality data and conclusions that can be drawn from the data and identified data gaps that would improve the analysis.

- Description of ecological/environmental/habitat information that describe the environmental needs in the Region.

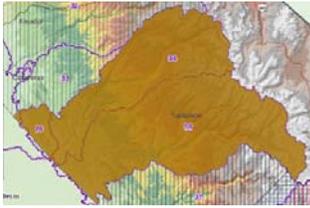
The documents and project included in Appendix E will be the basis for summarizing the available data. References available electronically will be included in the Data Management System as described in Task 1. It is anticipated that during the evaluation of the technical data in Task 1 and review of projects in Task 3, data gaps will be identified. This portion of the IRWM Plan will also describe how the data gaps will be filled, including, but not limited to additional field monitoring and evaluation, special studies and reports, and preliminary project work.

A narrative will be developed for this IRWM Plan section to describe the above, and other related technical items.

Subtask 4-1.13. Relation to Local Water Planning

This subtask will review and evaluate the wide range of local water planning documents identified in Appendix E. Those documents related to local water planning efforts most critical to the T-S Region's Plan preparation will be reviewed and summarized within this IRWM Plan section. For example, TUD, CCWD, and GCSO UWMPs, County/City General Plans, and other agency water master plans, optimization plans and feasibility studies will be valuable resources for both water demand estimates and water supply availability evaluation in relation to projected population changes.

The T-S Region's Plan will build on past efforts and discuss how other key elements of water planning efforts (e.g., water master plan, agricultural water management, flood management, watershed management, resource



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management, etc.) will be extracted to describe water planning efforts in the T-S Region.

The relation of IRWM to Local Water Planning will be the topic of discussion in Meetings #8 and 9, which will be valuable to understand how individual agencies/entities may need to adapt and modify their water planning to meet the range of water needs. Meeting discussions will include how water management/climate change is being addressed in local plans. In addition, limits (e.g., water supply and/or water quality) and management tools/criteria for water management in local plans will be reviewed during these meetings for applicability and inclusion to the IRWM Plan. It is anticipated that through these meetings, the RWMG will collaborate/integrate their individual local water planning efforts to develop a regionalized water management plan as part of the T-S Region's IRWM Plan preparation. The results of the meeting discussions will form the basis for the narrative of this section of the IRWM Plan.

Subtask 4-1.14. Relation to Local Land Use Planning

Similar to the effort in local water planning, the IRWM Plan effort will include coordination with land use planning agencies, such as Tuolumne and Calaveras Counties, and Cities of Sonora and Angels Camp. This is scheduled to occur at Meetings #10 through 12. If land use planning agencies are not able to attend these RWMG meetings, special efforts will be made to interact and coordinate with land use agency staff during this time period. As described in the Background (Section I), in Calaveras County the coordination between land use and water agencies has already occurred whereby CCWD was a major contributor to the Water Section of the recent Calaveras County General Plan update.

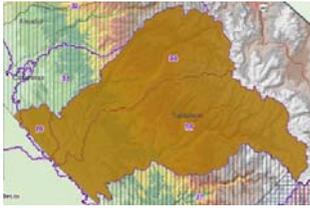
The narrative in this section will describe existing General Plans and Specific Plans, and whether they are consistent with or in conflict with IRWM planning efforts, as well as, any water elements within the General Plans and Specific Plans. As appropriate, the IRWM Plan will make suggestion on how water agencies can further collaborate with Land Use Plans and Planning Agencies through the SB 221/SB 610 water supply assessment and verification efforts for larger developments. In addition, the General Plans and Specific Plans process offer a venue for topics such as safety including fire and flood hazards as described in Multi-Jurisdictional Hazard Mitigation Plans and the need to maintain watersheds and implement forest management, such as by the USFS, to protect water systems from fire.

Relation to Local Land Use Planning is a RMS as defined in the State Water Plan and that is included as a "systemic" element of the T-S Region's IRWM Plan. This RMS will be key to the need to integrate flood management into the IRWM Plan as well because land management agencies and some transportation agencies significantly influence runoff and flood management.

Subtask 4-1.15. Stakeholder Involvement

As described in Task 2, the public outreach effort will build significantly on the efforts since 2007. As shown in Appendix C and D, there are over 130 stakeholders on the e-mail list and generally 20 to 30 attendees at each RWMG meeting. The MOU and supporting documents describe the consensus based decision-making process of the RWMG. Task 2 describes how additional stakeholder involvement will occur, especially with the DAC and Tribal communities.

This section of the T-S IRWM Plan will document the past stakeholder involvement



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since 2007, as well as, the public outreach effort that occurred during IRWM Plan preparation. The RWMG intends to continue the communication methods (e.g., e-mail, voice recordings of meetings, meeting minutes, etc.), as well as, develop new communication methods summarized in Task 2. Task 2 further describes how stakeholder involvement is and will be encouraged (e.g., invitations and individual visits). We are working with one band of the Me-Wuk Tribe and plan to use that contact to expand to the other band in the T-S Region.

Subtask 4-1.16. DAC

As shown in Figure 2, there are areas of DAC within the T-S Region. Task 2 includes a specific outreach to DAC, which will be made through existing entities such as ATCAA who are already working in the DAC on energy and water related issues. One of the main mechanisms to improve DAC participation to a higher level during IRWM plan preparation will be targeted outreach and to provide assistance with Call for Projects, as necessary.

This section of the IRWM Plan will include summary tables describing the DAC communities and their individual water-related needs, as well as, an updated map to show where the DAC needs occur in the T-S Region. These tables and map will be accompanied by a descriptive narrative. In addition, DAC Call for Projects will be included in an Appendix to the IRWM Plan.

Subtask 4-1.17. Coordination

Extensive coordination has occurred with local, state, and federal agencies, and NGOs, of which many are signatories to the MOU - signaling their commitment to participation in the IRWM process. Their participation will inherently result in some level of coordination of their individual agency activities within the T-S

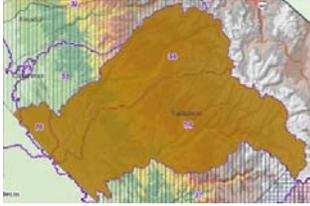
Region. Coordination is also an integral part of Task 2 – Public Outreach. Task 2 includes a specific task to improve the coordination and improve integration with adjacent IRWM Regions and those regions, such as the Bay Area IRWM Region, which benefit directly from water resources from this Region. It is expected that inter agency coordination will also result from Task 3, the project review and evaluation process

As a result of the specific water-related issues described in Section I.6., coordination with neighboring agencies and IRWM Regions will be critical for identifying needs and implementing solutions with regional and interregional benefits.

This IRWM Plan section will include summary tables of the coordination activities discussed above. These tables will be accompanied by a narrative describing the coordination.

Subtask 4-1.18. Climate Change

This section of the IRWM Plan will describe, at a high level, the potential climate change effects in the T-S Region. The changes to be evaluated may include snow pack and hydrology impacts on water supply, ecosystems, and other resources that will occur, as well as, storm intensity, wind, temperature and drought on forest health, and the increased potential for wild fire. In addition, the project selection criteria and review process will include some initial evaluation of the potential GHG emissions for individual projects/RMS and whether changes could be made to reduce/mitigate emissions and/or effects of climate change through project implementation. Furthermore, this section will discuss how climate change has been incorporated into the T-S Region's IRWM Plan as a whole.



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Subtask 4-1.19. Draft IRWM Plan

This subtask will be used to pull the subsection described in Subtask 4-1 above to generate a cohesive document and prepare an executive summary.

The draft T-S Region's IRWMP will be distributed for review by the RWMG and stakeholders identified during the completion of the draft Plan. At Meetings # 15, 22 and 23 the RWMG, stakeholders and public will have the opportunity to share their comments and to discuss appropriate comments.

Subtask 4-2. Prepare Final IRWM Plan

The appropriate comments will be incorporated into the final IRWM Plan document. At Meeting #24 the final T-S IRWM Plan will be adopted by the RWMG and then submitted to DWR.

Task 5: Grant Administration

This grant administration tasks will include invoicing, cost and match allocation, and preparation and submittal of quarterly reports/invoices, final report, and other written documents. These tasks are detailed as follows:

Subtask 5-1. Manage Grant Administration

This subtask includes preparing and gathering information for grant administration including tracking when grant deliverables are due (e.g., invoices, progress reports, draft and final IRWM Plan); maintaining electronic files of the deliverables, maintaining and updating the overall project schedule, etc.

Subtask 5-2. Track In-Kind Cost

This subtask includes tracking of costs including in-kind services and supporting documentation

(e.g., management information system (MIS) output, pay stubs, individual certification of time, for each participant, etc.) for invoice preparation.

Subtask 5-3. Prepare DWR Invoices

This subtask includes preparing invoice spreadsheet provided by DWR with costs for the specific time period for the invoice. Invoices will include tracking by task/sub-task for consultants and facilitator efforts as well as in-kind services provided by the PGC and stakeholders. Back-up documentation (e.g., pay stubs to document labor/overhead rates, etc.) to support the invoice will be provided by each PGC member/Stakeholder. This will also include review of back-up documentation for consistency with the time period, as well as, completeness for submittal to DWR to document in-kind services. It is expected that the invoicing will occur quarterly and that up to eight (8) invoices will be prepared during the duration of the IRWM Plan preparation.

Subtask 5-4. Prepare Quarterly Progress Reports

Quarterly Progress Reports will include preparation narrative to document progress made in the reporting period and consistency with invoice request, anticipated progress in future, if necessary changes to schedule including impact to the overall schedule, and other information requested by DWR.

Subtask 5-5. Prepare Final DWR Report

The Final DWR Report will include discussion of overall project preparation schedule, deviations from original schedule, transmittal of final work products, and other information requested by DWR.

Appendix A

MOU, Governance Principles and Financial Agreement

Memorandum of Understanding

Tuolumne - Stanislaus Integrated Regional Water Management Planning Program

This Memorandum of Understanding ("MOU") is entered into by and between the Tuolumne Utilities District, Groveland Community Services District, Twain Harte Community Services District, Lake Don Pedro Community Services District, County of Tuolumne, County of Calaveras, Calaveras County Water District, City of Sonora, City of Angels Camp, Tuolumne County Resource Conservation District, Stanislaus National Forest, Central Sierra Environmental Resource Center, Tuolumne River Preservation Trust, Central Sierra Audubon, Tuolumne Group of the Sierra Club, Tuolumne County Farm Bureau, and the Sierra Nevada Alliance hereafter referred to collectively as the "Parties," effective July 1, 2008.

Recitals

Whereas, the California Department of Water Resources is coordinating the preparation of Integrated Regional Water Management Programs (IRWMP) throughout the state; and

Whereas, Parties include, but are not limited to water agencies, local governments, local agencies, federal agencies, land use management agencies and non-governmental organizations with interests within the planning region shown on Exhibit A attached hereto; and

Whereas, the Parties recognize a need for working collaboratively in developing integrated water and natural resources management and watershed management coordination on a regional scale; and

Whereas, several phases of work will be required to develop an IRWMP for the upper Stanislaus and Tuolumne River watersheds within Tuolumne and Calaveras counties, as shown on Exhibit A attached hereto, including but not limited to grant application preparation, IRWMP preparation, and project development.

Now, therefore, the Parties enter into this Memorandum of Understanding to carry out the objectives of the Integrated Regional Water Management Program ("IRWMP") for the upper Stanislaus and Tuolumne watersheds, as shown on Exhibit A attached hereto, under the Terms and conditions contained herein and the Governance Principals and Financial Agreement attached hereto.

Terms

1. **Term.** This MOU is effective _____, and shall continue in effect until such time as a Planning Grant is awarded for the preparation of an IRWMP, subject to the

earlier withdrawal of any party as provided herein. This MOU may be extended by the written agreement of the parties hereto.

2. **Development of an IRWMP Proposition 84 Planning Grant application.** The first phase of work under this MOU is the preparation of an IRWMP Proposition 84 Grant Application. The parties agree to support and pursue the development, submission, and servicing of a Planning Grant Application for an Integrated Regional Water Management Plan for the upper Stanislaus and Tuolumne watersheds, as shown on Exhibit A attached hereto, to the California Department of Water Resources (DWR). The Parties hereby agree that:

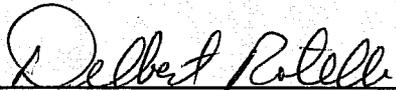
- a. The decision-making entity shall meet a minimum of once each month to review the status of the IRWMP and provide direction. Meetings shall be open to the public and provide reasonable opportunity for public comment. Decision-making shall be in compliance with the Governance Principles, attached hereto as Appendix A.
- b. Subcommittees and consultant work groups, formally or informally formed, may meet to carry out the tasks associated in support of the IRWMP Planning Grant Program's initial objective and consistent with the Governance Principles.
- c. The Parties will support the process and tasks necessary to develop and submit a Proposition 84 IRWMP Planning Grant with the intention to ultimately work cooperatively on the development of an upper Stanislaus and Tuolumne watershed IRWMP Plan as shown on Exhibit A attached hereto.
- d. The Tuolumne Utilities District (TUD) shall act as the program administrative agency as described in the Financial Agreement, attached hereto as Appendix B. TUD shall provide meeting rooms, appurtenant equipment, conference rooms and other "in kind" services as needed and provided in the Financial Agreement.
- e. TUD shall provide staff and the program consultant to support the IRWMP Planning Program as provided in the Financial Agreement.
- f. Other parties shall also provide support as provided in the Financial Agreement.
- g. The participating Parties will continue to seek other sources of funding in support of the IRWMP Planning effort.
- h. In support of the objective of obtaining an IRWMP Planning grant, the Parties will develop and submit written comments on the anticipated grant program Guidelines from the Department of Water Resources (DWR).

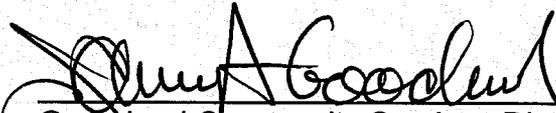
- i. The Parties may participate in opportunities, both formally and informally, to provide additional comments and suggestions to the DWR as related to the IRWMP.
3. **Role and Authority of the Parties.** This MOU does not create any new authority in any Party and does not transfer any existing authority from one Party to another. The sole purpose of this MOU is to promote coordination among the Parties in the development; submission and servicing of an IRWMP Planning grant application to the DWR. This MOU does not provide authority for any Party to bind another Party.
4. **Administrative Agency.** The Tuolumne Utilities District (TUD) shall serve as the administrative agency for this MOU, to provide appropriate services in support thereof, and to receive, disburse, and account for funds related to this MOU as provided in the Financial Agreement. The TUD shall be responsible for any necessary financial reporting under this MOU, including reports needed to comply with the terms of any grant agreement.
5. **Withdrawal from MOU.** Any Party may withdraw from this MOU upon written notice to the other Parties. Withdrawal shall be in compliance with any responsibilities contained within the Financial Agreement.
6. **General Provisions.**
 - a. Notices and Contact Persons. All notices required or permitted under this MOU shall be sent to all signatories of this MOU.
 - b. Effect of MOU. In entering into this MOU, it is the intention of the Parties that this MOU shall not be construed to be an enforceable contract or agreement, but is rather a statement of principles and intentions, and shall not be the basis for litigation between the parties or by any third party. This MOU is not intended to, and does not create, any right, benefit, or trust responsibility, substantive or procedural, enforceable at law or equity, against any of the Parties or their agencies or officers or against any person.
 - c. Public Information and Records. Any information furnished to the Forest Service or other federal agency under this MOU is subject to the Freedom of Information Act (5 U.S.C. 552). Records of the other public Parties are subject to the California Public Records Act (Government Code Section 6250 et seq.).
 - d. Participation in Similar Activities. This MOU in no way restricts the Parties from participating in similar activities with other public or private agencies, organizations, or individuals.
 - e. Funding of Parties. Except to the extent identified within the Financial Agreement or expressly provided for in support of IRWMP Plan, the Parties

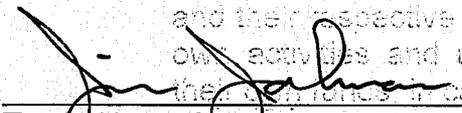
and their respective organizations and agencies and offices will handle their own activities and use their own resources, including the expenditure of their own funds, in carrying out activities related to this Program.

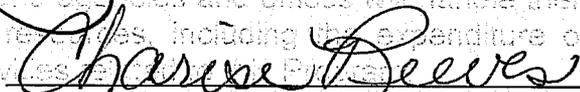
- f. Future MOU Signatories. New signatories to this MOU shall be approved upon consensus of the Parties hereto. Addition of new signatories shall not require revision of this MOU.

The Parties hereto have executed this instrument


Tuolumne Utilities District

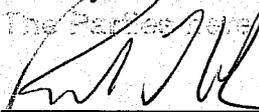

Groveland Community Services District


Twain Harte Community Services District

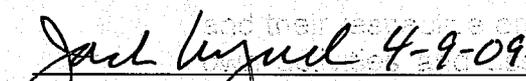

Lake Don Pedro Community Services Dist.

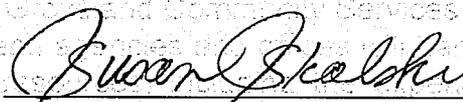
 sbd/08
County of Tuolumne

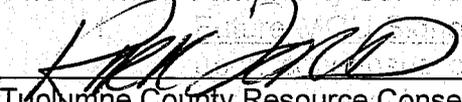

County of Calaveras

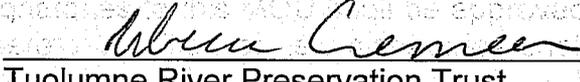

Calaveras County Water District

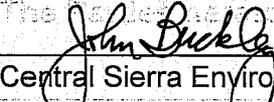

City of Sonora

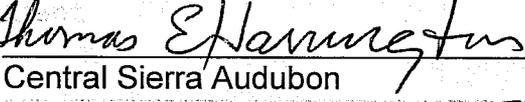
 4-9-09
City of Angels Camp


Stanislaus National Forest


Tuolumne County Resource Conservation Dist.
County of Tuolumne

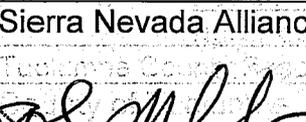

Tuolumne River Preservation Trust
County of Calaveras

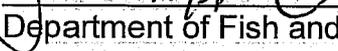

Central Sierra Environmental Resource Center
Calaveras County Water District


Central Sierra Audubon
City of Sonora

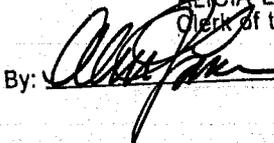

Tuolumne Group of the Sierra Club
City of Angels Camp


Tuolumne County Farm Bureau
Lake Don Pedro Community Services Dist.


Sierra Nevada Alliance
Tuolumne County Resource Conservation Dist.

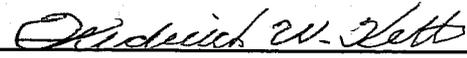

Department of Fish and Game

I hereby certify that according to the provisions of Government Code Section 25103, delivery of this document has been made. sbd/08

Alicia L. Jamar
Clerk of the Board
By: 

Page 2 of Signatures

The Parties hereto have executed this agreement



Murphys Sanitary District



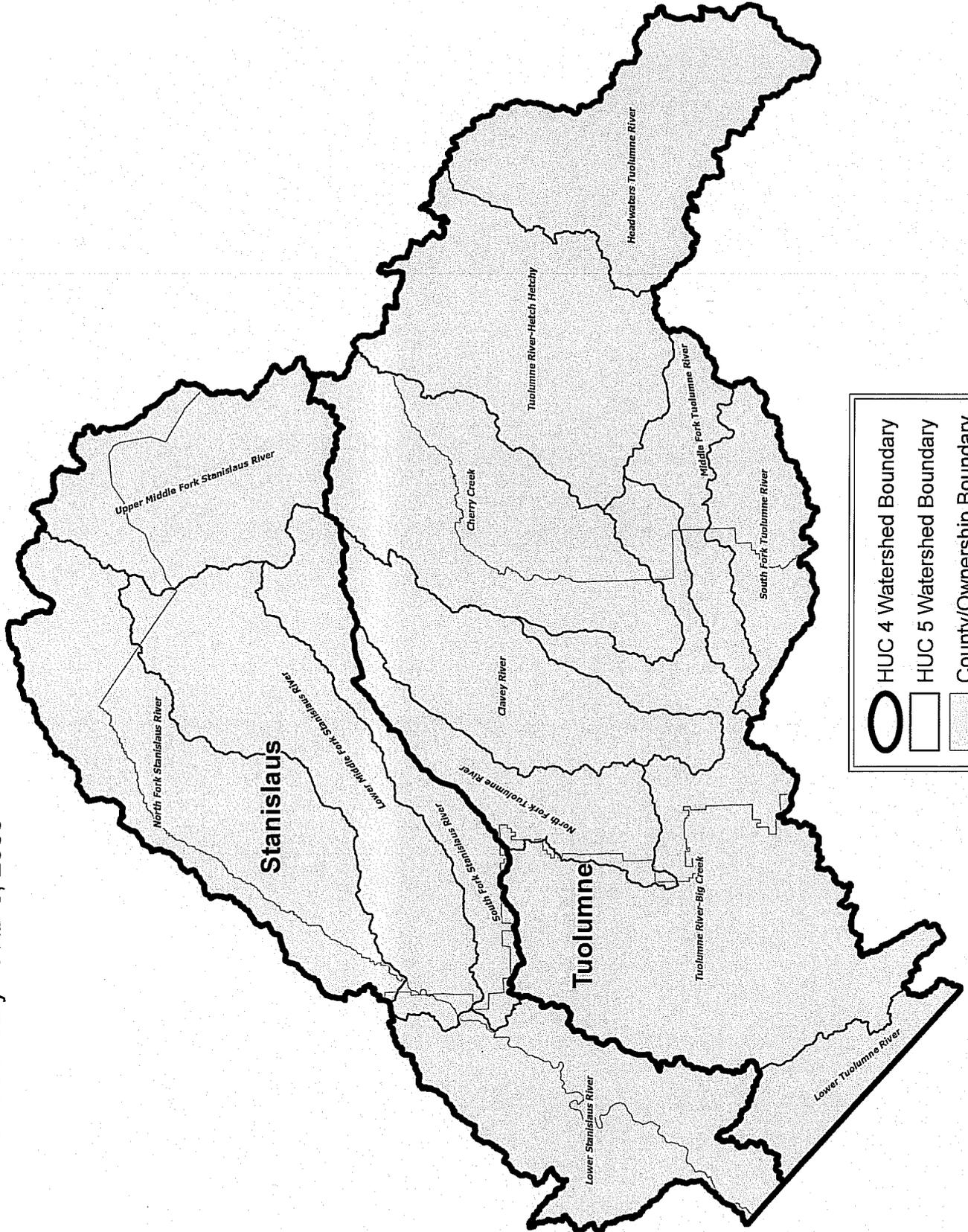
Union Public Utility District



Utica Power Authority

Tuolumne-Stanislaus Regional Water Management
Draft Boundary - FEB 6, 2008

Exhibit A



APPENDIX A

Tuolumne - Stanislaus Integrated Regional Water Management Program Governance Principles

I. PURPOSES

The primary purposes of the Tuolumne - Stanislaus Integrated Regional Water Management Program (IRWMP) is to draft, submit, and service an application to the California Department of Water Resources for a Grant to obtain funds to ultimately develop an Integrated Regional Water Management Plan (IRWMP) for the subject area, develop an IRWMP, and if agreed upon by participating Parties, seek funding sources for and jointly develop implementation projects.

The IRWMP grant application is a necessary precursor to the ultimate development of an IRWMP. The planning grant application should be developed by the Parties consistent with the procedures, policies, and guidance within the final DWR IRWMP Proposition 84 Grant and Project Solicitation Proposal Guidelines.

The IRWMP should provide for an integrated approach to water management across two watersheds of the region -- the upper Stanislaus River watershed (in southern Calaveras County and northern Tuolumne County) and the upper Tuolumne River watershed (entirely in Tuolumne County), as shown on Exhibit A attached hereto. A soundly developed IRWMP, anchored on balanced objectives and supported by a broad and diverse spectrum of interests within the region, will provide multiple opportunities from various funding sources (federal, state and local) to develop and implement a visionary and effective Plan. Implementation measures could provide for enhancing the beneficial uses of water resources and man-made infrastructure of the region, while restoring or protecting natural aquatic systems and watersheds. They could also improve water reliability, improve the affordability of water for beneficial uses, and improve water quality. A completed Tuolumne - Stanislaus IRWMP could also assure that all of the various components of the Plan share a common and overarching environmental stewardship covenant.

II. IRWM GRANT APPLICATION TIMETABLE

The first phase of work consists of the preparation and the servicing of a Proposition 84 grant application. The grant application program horizon is from execution of the MOU through the award of the planning grant, estimated to be approximately 12 months.

III. TUOLUMNE – STANISLAUS WATERSHEDS STAKEHOLDER INTERIM IRWMP GOVERNANCE STRUCTURE

1. **Planning Grant Committee:** The Planning Grant Committee, comprised of organizations representing diverse interests from within both the upper Stanislaus and Tuolumne watersheds, as shown on Exhibit A attached hereto is the interim decision - making body of the Tuolumne – Stanislaus IRWMP. Members of the Planning Grant Committee must execute the Memorandum of Understanding for the Tuolumne - Stanislaus IRWMP Program.
2. **Designated Committees:** Various committees may be appointed from time to time by the Planning Grant Committee based on the needs of the IRWMP effort. Designated Committees may meet to participate with and/or assist staff and consultants with a variety of matters for which staff needs more regular input and consultation.

Designated Committees may play a role in the development of the IRWMP Grant Application at the request of the Planning Committee, but they will have no independent decision-making authority.

3. **Public Forum:** The “Public Forum” is the term used to describe the general public and the broad range of organizations interested in the Tuolumne - Stanislaus IRWMP Grant Application processes that seek information about planning grant activities either by attendance at meetings or through other means of communication. The planning grant process will seek input from the Public Forum through verbal and written comments.

IV. ROLES AND RESPONSIBILITIES

Planning Grant Committee

1. Organizations and governmental agencies participating in the Tuolumne – Stanislaus IRWMP process will select one formal designee to represent them on the Tuolumne – Stanislaus IRWMP Planning Grant Committee. The designee will represent the views of the organization that selected them to participate in the process.
2. Planning Grant Committee members will attend meetings consistently and, if unable to attend any session, will send an alternate also chosen by their participating group. The use of alternates is not encouraged as this can interfere with the continuity of discussion and decision-making. Time is of the essence in this process as the schedule is set by the DWR.
3. The Planning Grant Committee is the interim decision-making body of the Tuolumne – Stanislaus IRWMP Planning grant application process. Its members

will make a good faith effort to achieve consensus in order to produce an application with the strongest support possible.

4. Members will regularly communicate information about the process to their organizations or agencies, as well as to the individual constituencies and communities they represent.
5. The Planning Grant Committee will make decisions in accordance with the rules set out in Section VIII on Decision-Making.
6. A Planning Grant Committee member's eligibility to take part in Tuolumne – Stanislaus IRWMP decision-making also depends on active participation by that member. Active Participation is defined in Section VIII (4) below.

Designated Committee(s)

1. Designated Committees may consist of any number of members as approved by the Planning Grant Committee.
2. The role of a Designated Committee may include process planning and logistics or other work to assist staff and consultants with scheduling, recommendations for process, modifications, communication, and other tasks as needed in between Planning Grant Committee meetings.
3. Designated committees will have no decision-making authority.
4. A Designated Committee will strive for consensus and, lacking that, will present the full range of opinions on any proposal to the Planning Grant Committee to inform the Planning Grant Committee's decisions.
5. The number of committees designated by the Planning Grant Committee should be kept to a minimum in recognition of both available times from Planning Grant Committee members and budget management.

Public Forum

The "Public Forum" is the term used to describe the general public and the broad range of organizations that may be interested in the Tuolumne – Stanislaus IRWMP Planning process and that seek information about related activities either by attendance at meetings or through other means of communication. The Tuolumne – Stanislaus IRWMP Planning process will seek input from the Public Forum on the program's direction and content.

Strategies for reaching this larger audience include:

1. Public comment time at Planning Grant Committee meetings allowed in a flexible and inclusive manner rather than limited to a single period;
2. Developing a master mailing list compiled by the Planning Grant Committee consisting of lists contributed by member organizations as well as from public inquiries, meeting attendance lists, and website sign-ins;
3. Materials created by the Tuolumne – Stanislaus IRWM Planning grant effort or its members to assist in updating constituents and others on planning activities and to inform local and regional media of milestone achievements;
4. Outreach to tribal governments to elicit their input in a manner consistent with protocols on government-to-government relationships;
5. Additional efforts to identify and communicate with any Environmental Justice communities throughout the region; and
6. Other public participation strategies as developed by the Planning Grant Committee or a Designated Committee.

V. PLANNING GRANT COMMITTEE MEETING SCHEDULE

The regular meeting day for Planning Grant Committee meetings will be the third Wednesday of every month, from 9:00 a.m. to 1:00 p.m. or meetings will end at the conclusion of business. Modifications to this schedule may be made by agreement of the Planning Grant Committee.

VI. ATTENDANCE

Given the tasks ahead and the desire for consensus-based decision-making, regular attendance by each member or his/her designated representative is essential.

VII. COMMUNICATION

1. Meeting summaries will be provided following each Planning Grant Committee meeting.
2. Planning Grant Committee Members are asked to speak only for their organization or themselves when communicating with external parties, including the media, about the Tuolumne - Stanislaus IRWMP, unless there has been a formal adoption of a statement, concept, schedule, or recommendation by the Planning Grant Committee.
3. In addition, staff of participating Parties will be reasonably available to provide presentations of the group's work at meetings, conferences, or other venues consistent with budget management. Members are strongly encouraged to

provide or arrange presentations about the group's work wherever feasible to increase awareness of the Tuolumne – Stanislaus IRWM Planning efforts.

VIII. PLANNING GRANT COMMITTEE DECISION-MAKING

1. **Consensus as the Fundamental Principle:** The Planning Grant Committee shall strive for consensus (agreement among all participants) in all of its decision-making. Working toward consensus is a fundamental principle of the Tuolumne – Stanislaus IRWM Program process.
2. **Definition of “Consensus”:** In reaching consensus, some Planning Grant Committee members may strongly endorse a particular proposal, while others may accept it as just "workable." Others may be only able to “live with it.” Still others may choose to “stand aside” by verbally noting a disagreement, yet allowing the group to reach a consensus without them if the decision does not affect them or compromise their interests. Any of these actions still constitutes consensus.
3. **Definition of Active Participation by Planning Grant Committee Members:** Active participation means regular attendance at Planning Grant Committee meetings. If there is a question as to whether a Planning Committee member should be considered “active” for purposes of decision-making, the Planning Grant Committee will make that determination based upon attendance records. Active participants will be Parties who have not missed more than two consecutive preceding official Planning Grant Committee meetings without representation from their organization.
4. **Check-Ins:** Throughout the process, in order to determine if the group is moving in a productive direction, the program consultant may also ask for an informal “read” of the group’s perspective. Answers to this type of program consultant’s request are used for the purpose of developing the dialogue and are not in anyway binding.
5. **Conditional Endorsements:** It is also understood that Planning Grant Committee members represent organizations and, in some cases, may not be able to make final commitments without conferring first with their organization. In this case, agreements will be considered conditionally endorsed, pending organizational confirmation.

IX. TUOLUMNE – STANISLAUS WATERSHEDS IRWM PROGRAM PHILOSOPHY

The Tuolumne – Stanislaus IRWMP Planning Grant Committee is the interim decision-making body responsible for approving the Planning Grant Application and for directing resources to service that application. Members of the Planning Grant Committee affirm their commitment to work in good faith with all the diverse interests represented on the Committee. Good faith implies an obligation to regularly attend and participate in meetings and strive to understand all perspectives, engage in dialogue and deliberation, and earnestly work toward building common ground and consensus with fellow Planning Grant Committee members.

The Tuolumne – Stanislaus IRWM Planning philosophy also recognizes that Planning Grant Committee members and their organizations may have to occasionally unilaterally pursue their interests during the process. This does not imply that an organization is violating their good faith participation. No interest participating in the process is being asked to abandon their obligations to their organizations or give up any type of rights.

X. GROUND RULES

The Planning Grant Committee will utilize the following standing ground rules regarding meeting protocol and may modify them as appropriate.

They individually and collectively agree to:

- Listen and frankly discuss subject matter with others who hold diverse views;
- Recognize and treat disagreements as problems to be solved rather than battles to be won;
- Refrain from ascribing motives or intentions to other participants; and
- Respect the integrity and values of other participants.

Several specific rules apply during meetings. The group agrees to:

- Efficiently use time and speak briefly when possible;
- Use conversational courtesy by raising hands so that the meeting facilitator can provide fair and orderly opportunities to speak;
- Keep pagers and mobile phones silent during meetings, and return calls during breaks; if possible
- Maintain schedules and agenda time allotments, including group discussions and public input periods.

XI. OPEN PROCESS

1. All meetings of the Tuolumne – Stanislaus IRWM Program Planning Grant Committee are open to the public.
2. Planning Grant Committee agendas will be sent out in advance of the meetings to the Tuolumne - Stanislaus IRWMP mailing list and will be posted on the TUD website.
3. At each meeting members of the public will be allowed timely opportunities to comment.
4. Members of the public are expected to adhere to the above Tuolumne – Stanislaus IRWM Program ground rules.

XII. AMENDMENTS TO THIS DOCUMENT

The Planning Grant Committee, utilizing the decision-making process as described in Section VIII above, may adopt changes to any portion of this document as desired.

APPENDIX B

Tuolumne - Stanislaus Integrated Regional Water Management Program FINANCIAL AGREEMENT

This Financial Agreement (FA) is to support the Memorandum of Understanding for the development of the Tuolumne - Stanislaus Integrated Regional Water Management Program (IRWMP). The purpose of the FA is to identify and assign financial support and responsibility to participants in the IRWMP.

The FA assigns contribution responsibilities to support the IRWMP effort for the period March 1, 2008 through June 30, 2009. This initial funding period is intended to support a consensus-based public process that will work towards achieving support for the submission of a grant application to the Department of Water Resources at the earliest possible time following release of the funding notice. This FA is based on a budget developed for a sixteen-month period.

The funding for the period March 1, 2008, to June 30, 2008, covers the costs for those activities in support of moving the IRWM program along, providing information to participating agencies, communicating with participants and DWR, and working on program materials. Those costs are borne in the interim by the Tuolumne Utilities District and are to be repaid proportionately by those agencies which execute the MOU and provide financial contributions.

The funding for the period of July 1, 2008, to June 30, 2009, covers the cost for those activities in support of continuing the IRWM process toward submission of a planning grant application, coordinating and managing the grant application preparation, direct grant application costs, providing technical engineering assistance, maintaining the administrative record of proceedings, servicing the grant application through funding, providing information to participating agencies, communicating with participants and DWR, and working on program materials.

Additionally, there may be contingency costs incurred during the period of the FA, upon the direction of the IRWM Planning Committee. Those contingency costs will be proportionately shared, per this agreement, between those agencies which execute the MOU and provide financial contributions. The Parties hereto agree that prior to July 1, 2009; a subsequent FA will be developed.

The schedule is an estimate of time which will be required to achieve the necessary support to ultimately work collaboratively on a grant application and to develop a working interim partnership governing structure. Due to the uncertainty in both the funding process and the IRWMP standards that will be in the planning grant guidelines

promulgated by the DWR, the FA costs are an estimate based upon current information. It is anticipated that if the process or the schedule changes, adjustments may need to be made in the budget and therefore the contributions. Such adjustments would be made through the Planning Grant Committee decision-making process as consistent with this FA.

Participation in the Planning Committee with financial contributions for public water service agencies shall be as follows for all water agencies the amount of financial participation shall be based on the total estimated number of retail water connections as estimated below:

Tuolumne Utilities District	13,500 customers
Calaveras County Water Dist.	13,500
Groveland Community Serv. Dist.	3,200
Twain Harte Community Serv. Dist.	1,600
Lake Don Pedro Comm. Serv. Dist.	1,450

The County of Tuolumne would pay an amount that is equal to the Tuolumne Utilities District or based on 13,500 utility connections. The County of Calaveras would pay the amount that is equal to the Calaveras County Water District or based on 13,500 utility connections. Other water agencies shall pay based on estimated number of connections. The City of Sonora would pay an amount based on its population; 4,668. The City of Angels Camp would pay an amount based on its population; 3,592.

Thus, total customers upon which to base allocation would equal 68,510. Each customer amount is divided by this total to provide an allocation percentage, which is rounded down, below.

Estimates of a proportional contribution to the budget for the 16-month period (approximately \$67,634, including a 10% contingency) would be:

Estimated Budget Total	\$ 67,634		
Agency	Customer Basis	Percentage of Total	Cost
Tuolumne Utilities District	13,500	19.71%	\$ 13,327
Calaveras County Water Dist.	13,500	19.71%	\$ 13,327
Groveland Community Serv. Dist.	3,200	4.67%	\$ 3,159
Twain Harte Community Serv. Dist.	1,600	2.34%	\$ 1,580
Lake Don Pedro Comm. Serv. Dist.	1,450	2.12%	\$ 1,431
Tuolumne County	13,500	19.71%	\$ 13,327
Calaveras County	13500	19.71%	\$ 13,327
City of Sonora	4668	6.81%	\$ 4,608
City of Angels	3592	5.24%	\$ 3,546
Totals	68,510	100%	\$ 67,634

These payments would be made proportionately as follows:

By July 1, 2008, 50% of the actual program costs to that time would be paid to the Tuolumne Utilities District.

By January 1, 2009 the remaining 50% of the actual program costs for that time period would be paid to the Tuolumne Utilities District.

Voluntary contributions from non-government organizations are encouraged as signatories of the MOU. Parties will continue to seek support and participation from other water and wastewater districts.

In the event of withdrawal or addition of any number of financial participants, the total budget will be reallocated using the same methodology stated above.

The Tuolumne Utilities District will act as the Administering Agency and maintain financial records for the IRWMP and act as the paying agent for all costs incurred during that time, subject to the reimbursement schedule herein defined.

For all non-governmental organizations, or those agencies which cannot contribute financial resources, the contribution of "in kind" services, such as technical assistance, public affairs, outreach, data and information may serve to meet their proportional share of the program costs for the period of the FA.

Activity	Meeting Frequency	Hourly Rate	Hours Each	Sixteen Month Total
Plannng Committee mtg. and direct support				
TUD General Manager	Monthly (16 mos)	\$125.00	0	\$0.00
TUD Consultant	Monthly (16 mos)	\$115.00	5.5	\$10,120.00
TUD Engineering Professional Staff	Two meetings total	\$100.00	2	\$400.00
TUD Administrative Staff Support	Monthly (16 mos)	\$50.00	4	\$2,400.00
Direct Costs Materials etc.	Monthly			\$240.00
Subtotal				\$13,160.00

Supporting technical tasks - staff to staff & DWR coordination re: Guidelines	Frequency	Hourly Rate	Monthly Hours	Sixteen Month Total
TUD General Manager	Ongoing (12 mos)	\$125.00	0.5	\$750.00
TUD Consultant	Ongoing (16 mos)	\$115.00	4	\$7,360.00
Subtotal				\$8,110.00

Stakeholder coordination communication	Frequency	Hourly Rate	Monthly Hours	Sixteen Month Total
TUD Consultant	Ongoing (16 mos)	\$115.00	4	\$7,360.00
TUD Administrative Staff Support	Ongoing (16 mos)	\$50.00	0.25	\$200.00
Subtotal				\$7,560.00

Grant Application Development	Frequency	Hourly Rate	Monthly Hours	Sixteen Month Total
TUD General Manager	Ongoing over 4 months	\$125.00	0.5	\$250.00
TUD Consultant	Ongoing over 4 months	\$115.00	22	\$10,120.00
TUD Engineering Professional Staff	Ongoing over 4 months	\$100.00	6	\$2,400.00
Grant Writer (see assumption 1 below)	Ongoing over 4 months	\$90.00	28	\$10,080.00
TUD Administrative Staff Support	Ongoing over 4 months	\$50.00	2	\$400.00
Subtotal				\$23,250.00

Grant Application Servicing	Frequency	Hourly Rate	Monthly Hours	Sixteen Month Total
TUD General Manager	Ongoing over 3 months	\$125.00	1	\$375.00
TUD Consultant	Ongoing over 3 months	\$115.00	14	\$4,830.00
TUD Engineering Professional Staff	Ongoing over 3 months	\$100.00	4	\$1,200.00
Professional Grant Writer (assumption 2 below)	Ongoing over 3 months	\$90.00	10	\$2,700.00
TUD Administrative Staff Support	Ongoing over 3 months	\$50.00	2	\$300.00
Subtotal				\$9,405.00

Total Administrative & Professional Support Costs	\$61,485.00
Contingency @10%	\$6,148.50
Total Budget	\$67,634

Assumption 1
Grant Writer staff time will be supplimented above this amount by NGO entities at a total rate of 20 hrs. per month for 4 months

Assumption 2
Grant Writer staff time will be supplimented above this amount by NGO entities at a total rate of 10 hrs. per month for 3 months

Appendix B

National Park Service-Yosemite National Park
Letter of Intent to Sign MOU



United States Department of the Interior
NATIONAL PARK SERVICE

Yosemite National Park
P.O. Box 577
Yosemite, California 95389

IN REPLY REFER TO:
A4415(YOSE-RMS)

SEP 23 2010

Mr. Delbert Rotelli
Tuolumne Utilities District
Tuolumne-Stanislaus Integrated Regional Water Planning Program Group
18885 Nugget Blvd
Sonora, California 95370

Dear Mr. Rotelli:

The purpose of this letter is to confirm our intent to sign the Tuolumne-Stanislaus Integrated Water Resources Management Program (IRWMP) group Memorandum of Understanding (MOU). We understand you would prefer that Yosemite National Park finalize the signatures prior to the September 28, 2010 submission of your planning grant application to the state of California. However, MOU's require approval by the Pacific-West Regional Director of the National Park Service and this process may take several weeks. If the MOU has not been approved by that time we sincerely hope that this letter of intent will serve to indicate the park's support of the Integrated Water Resources Management Program planning group.

Any questions related to signing the MOU should be addressed to Jim Roche, Yosemite Park Hydrologist at (209) 379-1446.

Sincerely,
/s/ Don L. Neubacher

Don L. Neubacher
Superintendent

cc: Niki Stephanie Nicholas, Ph.D., Chief, Resources Management and Science, Yosemite National Park
Joe Meyer, Branch Chief, Physical Science and Landscape Ecology, Yosemite National Park
Jim Roche, Hydrologist, Yosemite National Park
Jim Johnson, President, Twain Harte Community Services District
Phil McCarty, President, Calaveras County Water District
Jack Lynch, Mayor, City of Angels Camp
John Buckley, Executive Board of Director, Central Sierra Environmental Resource Center
Jon Sturtevant, President, Tuolumne Group of the Sierra Club
Jim Goodrich, General Manager, Groveland Community Services District
Charise Reeves, Director, Lake Don Pedro Community Services District
Ron Stearn, Council Member, City of Sonora
Steve Wilensky, 2cd Supervisorial District, County of Calaveras
Susan Skalski, Supervisor, Stanislaus National Forest, National Forest Service
Tom Harrington, Secretary, Central Sierra Audubon Society
Dick Gaiser, President, Tuolumne County Farm Bureau
Beth Hartline, President, Murpheys Sanitary District
Vern Pyle, General Manager, Utica Power Authority
Bill Riedel, President, Union Public Utility District

Appendix C

Current T-S Region's E-mail Notification List

Attachment 3: Appendix C - Current T-S Region's Email Notification List

Organization	Contact	Email Address
Amador Tuolumne Community Action Agency	Shelly Hance	shance@atcaa.org
Amador Tuolumne Community Action Agency	Craig Case	ccase@atcaa.org
Angel Camp	Garett Walker	garettwalker@angelscamp.gov
Bay Area IRWMP	Paul Helliker	phelliker@marinwater.org
Bay Area IRWMP	Thomasin Grim	t_grim@marinwater.org
Breeze-Martin Consulting	Rick Breeze-Martin	rick@breeze-martin.com
Bureau of Land Management	Kim Bunn	kim_bunn@ca.blm.gov
Bureau Of Reclamation	Claire Hsu	chsu@mp.usbr.gov
Bureau Of Reclamation	Mark Leu	mark.leu@ch2m.com
CA Depart of Fish & Game	Dan Applebee	dapplebee@dfg.ca.gov
CA Depart of Fish & Game	John Shelton	jshelton@dfg.ca.gov
CA Depart of Water Resources		weisser@water.ca.gov
CA Depart of Water Resources	Gary Lippner	glippner@water.ca.gov
CA Depart of Water Resources	Glenn Moeller	gmoeller@water.ca.gov
CA Depart of Water Resources	Keith Wallace	kawallac@water.ca.gov
CA Depart of Water Resources	Michelle Dooley	mmdooley@water.ca.gov
CA Depart of Water Resources	Paula Landis	plandis@water.ca.gov
CA Depart of Water Resources	Pierre Stephens	jrstephe@water.ca.gov
CA Depart of Water Resources	Tanya Meeth	tmeeth@water.ca.gov
CA Regional Water Quality Control Board		rmuhl@waterboards.ca.gov
Cal Fire	Mike Noonan	mnoonan@fire.ca.gov
Calaveras County Asst Administrative Officer	Shirley Ryan	sryan@co.calaveras.ca.us
Calaveras County Board of Supervisor		mkrksa@co.calaveras.ca.us
Calaveras County Board of Supervisor	Russ Thomas	rthos2020@caltel.com
Calaveras County Planner	Dave Pastizzo	dpastizzo@co.calaveras.ca.us
Calaveras County Planner	Debra Lewis	dlewis@co.calaveras.ca.us
Calaveras County Water District	Dennis Dooley	dooley.ccw@yaho.com
Calaveras County Water District	Don Stump	donstump1@gmail.com
Calaveras County Water District	Ed Pattison	edwinp@ccwd.org
Calaveras County Water District	Mona Walker	monaw@ccwd.org
California Water Institute	Sarge Green	sgreen@csufresno.edu
Center for Collaborative Policy	Carolyn Lott	carolynlott@sbcglobal.net
Central Sierra Audubon	Rick Baird	rickbaird2@cs.com
Central Sierra Audubon	Tom Harrington	applehill@sonnet.com
Central Sierra Audubon	Joyce Schiefenstein	bobandjoyces@yahoo.com
Central Sierra Environmental Resource Center	John Buckley	johnb@cserc.org
Central Sierra Environmental Resource Center	Rebecca Cremeen	rebeccac@cserc.org
Central Sierra Planning Council		cspc@mlode.com
Central Sierra Resource Conservation & Development	Dick McCleery	dick.mccleery@ca.usda.gov
Central Valley Regional Water Quality Control Board	Catherine Gill	cgill@waterboards.ca.gov
East Bay Municipal Utility District		custsvc@ebmud.com
Eco:Logic Engineering	Doug Brewer	brewer@ecologic-eng.com
Foothill Conservancy		chris@foothillconservancy.org
Groveland Community Services District	Jim Goodrich	jgoodrich@gcsd.org
Groveland Community Services District	Randy Klaahsen	rklaahsen@gcsd.org
Hetch Hetchy		info@hetchhetchy.org
Jamestown Sanitary District		jsdistrict@mlode.com
Kennedy/Jenks Consultants	Sachi Itagaki	sachiitagaki@kennedyjenks.com
Kennedy/Jenks Consultants	Tracie Mueller	traciemueller@kennedyjenks.com

Attachment 3: Appendix C - Current T-S Region's Email Notification List

Organization	Contact	Email Address
Lake Don Pedro Community Services District	Bill Kinsella	billaleen@yahoo.com
Lake Don Pedro Community Services District	Charise Reeves	charise@ldpcsd.org
Lake Don Pedro Community Services District	Jason McCulloch	jason@ldpcsd.org
Lake Don Pedro Community Services District	Jeff Mann	jmann@ldpcsd.org
Lake Don Pedro Community Services District	Sally Punte	sallyp@throckwisp.com
MAC IRWMP	Gene Mancebo	gmancebo@amadorwa.com
MAC IRWMP	Rob Alcott	robalcott@aol.com
Madera County Planning Department	Leona Montalvo	lmontalvo@madera-county.com
Madera County Resource Management Agency	Ray Beach	rbeach@madera-county.com
Mariposa County Administration	Rick Benson	rbenson@mariposacounty.org
Mariposa County Board of Supervisors		mwilliams@mariposacounty.org
Mariposa County Board of Supervisors	Kevin Cann	kcann@mariposacounty.org
Mariposa County Resource Conservation District	Len McKenize	lenmckenzie@yahoo.com
Mariposa IRWMP	Mandy Vance	mvance@sierranevada.ca.gov
Mariposa Public Utility District		mpud@sti.net
Merced Irrigation District	Hicham Eltal	heltal@mercedid.org
Merced Irrigation District	Robert Lindsey	rlindsey@mercedid.org
Mi Wuk Village Mutual Water Company	Seve Durgin	steve@miwukwater.com
Modesto Irrigation District	Bill Ketscher	billk@mid.org
Morrison Associates	Carl Morrison	cmorrison@morrisonassociates.com
Murphys Sanitary District		murphyssd@sbcglobal.net
Murphys Sanitary District	Beth Hartline	bethharline@att.net
Murphys Sanitary District	Ralph Emerson	msdmgr57@yahoo.com
Northern California Power Agency	Ed Warner	ed.warner@ncpagen.com
Northern California Power Agency	Jim Pope	jim.pope@ncpa.com
Northern California Power Agency	Randy Bowersox	randy.Bowersox@ncpagen.com
Oakdale Irrigation District		info@oakdaleirrigation.com
Pacific Gas & Electric	Steven Peirano	SLP2@pge.com
Pacific Gas & Electric	Terry Moore	TLM8@pge.com
Phoenix Lake Task Force	LeRoy Bushart	wilmaleroyb@sonnet.com
Pinecrest Permittees Association		ppa@sonnet.com
Restore Hetch Hetchy	Jerry Cadagan	socialchr@aol.com
Ron Ringen		inspect@mlode.com
San Francisco PUC	Bill Sears	wsears@sflower.org
San Francisco PUC	Molly Petrick	mpetrick@sflower.org
San Joaquin County Board of Supervisors		lsahyoun@co.san-joaquin.ca.us
Self Help Enterprises	Bree	bres@selfhelpenterprises.org
Sierra Nevada Alliance		sna@sierranevadaalliance.org
Sierra Nevada Alliance	Marion Gee	Marion@sierranevadaalliance.org
Sierra Pacific Industries	Ted Tremayne	ttremayne@spi-ind.com
Sonora, City of	Ed Wyllie	edwyllie@sonoraca.com
Sonora, City of	Tim Miller	tmiller@sonoraca.com
Sonora, City of	David Sheppard	manxscot@att.net
South Sierra IRWM Grant Writer	Elissa Brown	elissa@elissabrown.com
South Sierra Project Manager	Bobby Kamansky	bobinator1@hotmail.com
Stanislaus National Forest	Jim Frazier	jfrazier@fs.fed.us
Stockton East Water District	Jeanette Thomas	jrthomas@sewd.net
Stockton East Water District	Kevin Kauffman	kkauffman@sewd.net
Tri Dam	Dan Pope	dpope@tridamproject.com

Attachment 3: Appendix C - Current T-S Region's Email Notification List

Organization	Contact	Email Address
TuCare		tucare@mlode.com
Tuolumne Band of Me-Wuk Indians	Reba Fuller	rfuller@mlode.com
Tuolumne City Sanitary District	Harold Welborn	welborn@ecologic-eng.com
Tuolumne County Administration	Daniel Richardson	drichardson@co.tuolumne.ca.us
Tuolumne County Board of Supervisors		bos@tuolumnecounty.ca.gov
Tuolumne County Board of Supervisors	Teri Murrison	tmurrison@co.tuolumne.ca.us
Tuolumne County Building Industry		ratz@sonnet.com
Tuolumne County Community Development	Bev Shane	bshane@co.tuolumne.ca.us
Tuolumne County Community Development	Mike Laird	mlaird@co.tuolumne.ca.us
Tuolumne County Community Development	Renee' Hendry	rhendry@co.tuolumne.ca.us
Tuolumne County Fam Bureau	Sasha Farkas	sjfarkas@hotmail.com
Tuolumne County Farm Bureau	Jesse Cover	jcover5@juno.com
Tuolumne County Farm Bureau	Stan Kellogg	skellogg@sonorahs.k12.ca.us
Tuolumne County Historical Society		president@tchistory.org
Tuolumne County Public Works	Darin Grossi	dgrossi@co.tuolumne.ca.us
Tuolumne County Resource Conservation District	Corinne Munger	corinne_munger@live.com
Tuolumne County Resource Conservation District	Phil Lefman	plefman@sfwater.org
Tuolumne County TuCare		tucare@mlode.com
Tuolumne County TuCare	Gil Fyer	bevngil@mlode.com
Tuolumne Economic Development Authority	Genia Mierop	g.teda@blackoakcasino.com
Tuolumne Economic Development Authority	Lester Lingo	l.teda@blackoakcasino.com
Tuolumne Economic Development Authority	Reba Fuller	rfuller@mlode.com
Tuolumne Group Sierra Club	Frank Oyung	frank-oyung@sbcglobal.net
Tuolumne Group Sierra Club	Jon Sturtevant	js3060@yahoo.com
Tuolumne MeWuk Tribal Council	Sonny Hendricks	receptionist@mlode.com
Tuolumne River Trust	Patrick Koepele	patrick@tuolumne.org
Tuolumne River Trust	Staff	staff@tuolumne.org
Tuolumne Utilities District	John Mills	sixbit@sonnet.com
Tuolumne Utilities District	Pete Kampa	pkampa@tuolumneutilities.com
Turlock Irrigation District	Debbie Liebersback	dcl@tid.org
Turlock Irrigation District	Jeff Barton	jtbarton@tid.org
Turlock Irrigation District	Steve Boyd	seboyd@tid.org
Twain Harte Community Services District	Scot Moody	smoody@twainhartecsd.com
Twain Harte Community Services District	Yvonne Hilton	yhilton@twainhartecsd.com
Union Democrat Calendar	Megan Haggerty	mhaggerty@uniondemocrat.com
Union Public Utility District	Diane Severud	dianeupud@goldrush.com
Union Public Utility District	Julie McManus	cfo@mlode.com
University of California Cooperative Extension	Becky Miller-Cripps	RMCripps@co.tuolumne.ca.us
University of California Cooperative Extension	Scott Oneto	SOneto@co.tuolumne.ca.us
Utica Power Authority	Karen Sue Rojas	admin@uticapower.net
Yosemite National Park Service	Jim Roche	jim_roche@nps.gov

Appendix D

Summary of T-S Region's Meetings and Participants

Attachment 3: Appendix D - Summary of T-S Region's Meetings and Participants

Name	Agency	# of Mtgs attended	8/24/07	10/19/07	11/19/07	1/16/08	2/20/08	4/16/08	5/21/08	6/18/08	7/16/08	8/20/08	9/17/08	10/15/08	11/19/08	12/17/08	1/21/09	2/18/09	4/15/09	7/15/09	8/19/09	10/21/09	11/18/09	1/20/10	2/17/10	3/17/10	8/18/10
Craig Case	Amador-Tuolumne Community Action Agency	1																									x
Rick Breeze-Martin	Breeze Martin Consulting	1			x																						
Brian Deason	Bureau of Reclamation	1				x																					
Claire Hsu	Bureau of Reclamation	1	x																								
Mark Leu	Bureau of Reclamation	1	x																								
Russ Thomas	Calaveras County Board of Supervisors	1																		x							
Lynn Oconnor	Calaveras County Community Development Department	1					x																				
Ed Pattison	Calaveras County Water District	23	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Bertha Underhill	Calaveras County Water District Board	1													x												
Dennis Dooley	Calaveras County Water District Board	1																							x		
Don Stump	Calaveras County Water District Board	4																						x	x	x	x
Robert Dean	Calaveras County Water District Board	3											x	x							x						
Penny Sarvis	Calaveras Planning Coalition	1								x																	
Daniel Applebee	Calif. Dept. of Fish & Game	14				x	x		x			x		x		x	x	x			x	x	x	x		x	x
Joyce Schieferstein	Central Sierra Audubon	6										x	x	x					x						x		
Rick Baird	Central Sierra Audubon	22			x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x
Tom Harrington	Central Sierra Audubon	21			x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x
Brenda Whited	Central Sierra Environmental Resources Center	3			x	x		x																			
John Buckley	Central Sierra Environmental Resources Center	21			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x		x	x	x
Carol E. Woolf	City of Angels Camp	6	x	x														x		x	x			x			
Garett Walker	City of Angels Camp	4																	x	x					x		x
Ed Wylie	City of Sonora	1				x																					
Greg Applegate	City of Sonora	3				x						x											x				
Gary Lippner	Department of Water Resources	1																					x				
Glenn Moeller	Department of Water Resources	1																							x		
Maria Pang	Department of Water Resources	1														x											
Michelle Dooley	Department of Water Resources	1																									x
Pierre Stephens	Department of Water Resources	1																				x					
Doug Brewer	ECO Logic Engineering	1						x																			
Jim Goodrich	Groveland Community Service District	17	x		x		x	x		x	x	x	x		x	x		x		x		x	x		x	x	x
Randy Klaahsen	Groveland Community Service District	19	x		x		x	x	x	x	x		x	x	x	x		x		x		x	x	x	x	x	
Sachi Itagaki	Kennedy/Jenks Consultants	1																									x
Tim Williams	Kennedy/Jenks Consultants	1																	x								

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Tracie Mueller	Kennedy/Jenks Consultants	1																										x
Charise Reeves	Lake Don Pedro CDS	4																	x		x		x		x			
Sally Punte	Lake Don Pedro CDS	6																	x	x	x		x		x	x		
Bob Kent	Lake Don Pedro CSD	1		x																								
Robert Lindsey	Merced Irrigation District	2																							x	x		
Bill Ketscher	Modesto Irrigation District	1		x																								
Beth Hartline	Murphys Sanitary District	1																										x
Ralph Emerson	Murphys Sanitary District	2																			x		x					
Julie Leimbach	Sierra Nevada Alliance	1			x																							
John Romena	Sierra Pacific Industries	3											x		x												x	
Ted Tremayne	Sierra Pacific Industries	2										x	x															
Jim Frazier	Stanislaus National Forest	20	x	x		x	x	x	x		x		x	x		x	x	x	x	x	x	x		x	x	x	x	x
Sharon Grant	Stanislaus National Forest	0																										
James Damschroder	The Union Democrat	1									x																	
Steve Felte	Tri-Dam Project	8	x	x	x				x	x			x	x				x										
Melinda Fleming	TuCare	1																			x							
Ron Ringen	TUD Rate Payer	4																						x	x	x	x	
Reba Fuller	Tuolumne Band of Me-Wuk Indians	1																										x
Harold Welborn	Tuolumne City Sanitary District	3		x	x									x														
Daniel Richardson	Tuolumne County Administration Office	7							x	x		x		x			x						x					
Steve Boyack	Tuolumne County Administration Office	7		x	x	x	x	x	x	x																		
Dick Pland	Tuolumne County Board of Supervisors	2				x								x														
Teri Murrison	Tuolumne County Board of Supervisors	8						x			x		x	x		x		x						x			x	
Debra Reynolds	Tuolumne County Community Development Department	11				x	x	x	x		x	x		x	x	x		x	x									
Mike Laird	Tuolumne County Community Development Department	1			x																							
Renee Hendry	Tuolumne County Community Development Department	7																			x	x	x		x	x	x	x
Jesse Cover	Tuolumne County Farm Bureau	1																							x			
Marilyn Rice	Tuolumne County Farm Bureau	2				x				x																		
Sasha Farkas	Tuolumne County Farm Bureau	16			x	x	x	x	x		x	x	x	x		x		x	x			x		x		x	x	x
Jerry Cadagan	Tuolumne County Resident	12			x	x	x					x	x				x	x		x				x	x	x	x	x
Corinne Munger	Tuolumne County Resource Conservation District	10											x	x	x				x	x	x	x			x	x	x	x
Gil Fryer	Tuolumne County Resource Conservation District	3		x	x	x																						
Phil Lefman	Tuolumne County Resource Conservation District	2	x	x																								

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Name	Agency	# of Mtgs attended	8/24/07	10/19/07	11/19/07	1/16/08	2/20/08	4/16/08	5/21/08	6/18/08	7/16/08	8/20/08	9/17/08	10/15/08	11/19/08	12/17/08	1/21/09	2/18/09	4/15/09	7/15/09	8/19/09	10/21/09	11/18/09	1/20/10	2/17/10	3/17/10	8/18/10
Ty Wivell	Tuolumne County Resource Conservation District	3	x	x											x												
Kirk Ford	Tuolumne County Resource Conservation District/Stanislaus County Planning	2	x	x																							
Frank Oyung	Tuolumne Group Sierra Club	8										x	x	x	x							x	x		x		x
Jon Sturtevant	Tuolumne Group Sierra Club	19			x	x		x	x	x	x	x		x	x	x	x			x	x		x	x	x	x	x
Cynthia King	Tuolumne River Trust	7			x	x		x	x	x	x	x															
Galen Weston	Tuolumne River Trust	7			x	x	x			x			x						x								
Patrick Koepele	Tuolumne River Trust	4																				x	x	x			x
Rebecca Cremeen	Tuolumne River Trust	9										x		x	x		x	x						x	x	x	x
Delbert Rotelli	Tuolumne Utilities District	1	x																								
Leonard Mauro	Tuolumne Utilities District	1	x																								
Lisa Westbrook	Tuolumne Utilities District	1									x																
Melissa McMullen	Tuolumne Utilities District	2																								x	x
Sharon Norris	Tuolumne Utilities District	1										x															
Sheri Barnett	Tuolumne Utilities District	1																						x			
Tom Scesa	Tuolumne Utilities District	2	x								x																
Pete Kampa	Tuolumne Utilities District	19	x	x	x	x	x	x	x	x	x	x			x	x	x	x			x		x	x	x		x
Barbara Balen	Tuolumne Utilities District Board	3		x					x													x					
Bob Behee	Tuolumne Utilities District Board	16									x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Joseph Day	Tuolumne Utilities District Board	1														x											
John S. Mills	Tuolumne Utilities District Water Consultant	24	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Casey Prunchak	Tuolumne Utilities Water District	23	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Steve Boyd	Turlock Irrigation District	1																		x							
Gary Sipperly	Twain Harte Community Service District	2		x	x																						
Mike Stacher	Twain Harte Community Service District	7	x	x	x	x	x	x	x																		
Scot Moody	Twain Harte Community Service District	8													x	x	x			x	x	x			x	x	
Yvonne Hilton	Twain Harte Community Service District	1																									x
Bill Bryant	Twain Harte Community Service District Board	8				x		x		x	x	x	x	x	x												
Diane Severud	Union Public Utility District	9												x	x	x	x	x	x		x	x	x				
Julie McManus	Union Public Utility District	2	x	x																							
Dick McCleery	USDA-NRCS-CSRC&D	3				x				x											x						
Karen Rojas	Utica Power Authority	0																									
Mitch Pyle	Utica Power Authority	5														x	x				x		x				
Vern Pyle	Utica Power Authority	12										x	x		x		x	x		x	x	x	x	x	x	x	x
Jim Roche	Yosemite National Park	4													x				x	x			x				
	Meeting Attendance Count	375	19	19	24	26	18	20	18	18	20	22	23	22	26	23	20	19	23	22	23	21	20	20	29	25	32

Appendix E

Current Projects/Reports and
Related Program Preferences/State Priorities

Attachment 3: Appendix E - Current Projects/Reports and Related Program Preferences/Statewide Priorities

Agency	Project/Report Title	11.1 Include Regional Projects/Programs	11.2 Integrate water management within hydrologic region	11.3 Effectively resolve significant water-related conflicts within or between regions	11.4 Contribute to attainment or one or more objectives to Cal Fed	11.5 Address critical water supply/quality needs of DAC	11.6 Effectively integrate water management with land use planning	11.7 For Flood Management - projects that provide multiple benefits	11.8 Address Statewide Priorities of:	11.8.1 Drought Preparedness	11.8.2 Use and Reuse Water More Efficiently	11.8.3 Climate Change Response Actions	11.8.4 Expand Environmental Stewardship	11.8.5 Practice Integrated Flood Management	11.8.6 Protect Surface Water and Groundwater Quality	11.8.7 Improve Tribal Water and Natural Resources	11.8.8 Ensure Equitable Distribution of Benefits
Amador-Tuolumne Community Action Agency (ATCAA)	Energy efficiency/Weatherization in DAC																x
Calaveras County	Calaveras County General Plan		x				x										
Calaveras County																	
Calaveras County Water District (CCWD)	Regional Wastewater Study	x															
Calaveras County Water District (CCWD)	2005+2010 Urban Water Management Plan						x		x	x							
Center for Collaborative Policy (CCP)																	
Center for Collaborative Policy (CCP)	Facilitation of Project Selection Criteria			x													x
Central Sierra Environmental Resource Center (CSERC)	Water Quality Sampling and Study Report (2009 and 2010)														x		
Central Sierra Resource Conservation and Development Council (RC&D)	Stewardship through Education Program	x											x				
City of Angels Camp	City of Angels Camp General Plan						x										
City of Sonora	Sonora Creek Watershed Study							x						x			
Clavey Watershed Council	Clavey River Watershed Action Plan						x										
Department of Water Resources (DWR)	Project Selection Criteria Grant Agreement																
Federal Energy Regulatory Commission (FERC)	FERC Licenses (Spring Gap Stanislaus-PG&E, Beardsley Donnels-SSJID, Phoenix-PG&E, Upper Utica-Northern CA Power Agency, Pinecrest, Don Pedro, Stanislaus)	x		x													
Groveland Community Services District (GCSD)	Water Master Plan																
Groveland Community Services District (GCSD)	Wastewater Master Plan																
Groveland Community Services District (GCSD)	Parks Master Plan																
Groveland Community Services District (GCSD)	District Property Land Use Study																
Groveland Community Services District (GCSD)	Recycled Water Disposal Expansion Study								x	x	x						x
Groveland Community Services District (GCSD)	Wastewater Treatment Plant Upgrade Study																x
Groveland Community Services District (GCSD)	Septic System Water Quality Study						x										x
Groveland Community Services District (GCSD)	2005+2010 Urban Water Management Plan						x		x	x							
Multiple Agencies (TCRCD/TUD/SNC, Master Gardeners, TRT, USFS, Tuolumne county)	Great Sierra River cleanup												x				x
San Francisco Public Utilities Commission (SFPUC)	EIR for System Upgrades																
San Francisco Public Utilities Commission (SFPUC)	Tuolumne River Studies												x				
Sonora Agency Foundation																	
Tuolumne Band of Me-Muk Indians																	
Tuolumne County (TC)	Infrastructure Blueprint	x															x
Tuolumne County (TC)	Tuolumne County General Plan						x										
Tuolumne County (TC)	Emergency Operations Plan																
Tuolumne County (TC)	Wastewater Ordinance Revisions																
Tuolumne County (TC)																	
Tuolumne County (TC)																	
Tuolumne County (TC)	The Foothill Watershed Assessment	x															x
Tuolumne County (TC)	Tuolumne County Water Quality Plan																x
Tuolumne County Resource Conservation District (TCRCD)	Stream Team Water Quality data													x			x
Tuolumne County Resource Conservation District (TCRCD)	Meadow Restoration Outreach (as subcontractor to Environmental Defense Fund)											x	x				x
Tuolumne County Resource Conservation District (TCRCD)	Watershed Coordinator Grant												x				
Tuolumne River Trust																	
Tuolumne Utilities District (TUD)	Regional Wastewater Treatment and Reuse Plan	x								x	x	x					x
Tuolumne Utilities District (TUD)	Tuolumne Ditch System Sustainability Project	x									x						x
Tuolumne Utilities District (TUD)	2005+2010 Urban Water Management Plan						x		x	x							
Tuolumne Utilities District (TUD)	TUD Phoenix Lake Preservation and Restoration Plan		x				x						x				x
Twain Harte Community Services District (THCSD)																	
U.S. Census Bureau	2000 Census GIS Block Maps and Median Household Income Data						x										
U.S. Forest Service (USFS)	Stanislaus National Forest planning documents, resource management strategies, water management policies																
U.S. Forest Service (USFS)	Stanislaus National Forest Plan																
U.S. Forest Service (USFS)	Stanislaus National Forest Land and Resource Management Plan	x					x						x				
U.S. Forest Service (USFS)	Wild and Scenic River Study																
U.S. Forest Service (USFS)	Tuolumne River Wild and Scenic River Management Plan		x														x
U.S. Forest Service (USFS)	Emigrant Wilderness Management Plan						x										
U.S. Forest Service (USFS)	Central Stanislaus Watershed Analysis						x										
U.S. Forest Service (USFS)	Clavey River Wild and Scenic River Value Review						x										
U.S. Forest Service (USFS)	Water Quality Management on National Forest Lands in California: Best Management Practices												x				x
U.S. Forest Service (USFS)	Forest Service Manual												x				x
U.S. Forest Service (USFS)/Clavey River Ecosystem Project	Clavey River Watershed Assessment						x										
U.S. National Park Service	Yosemite National Park Wild and Scenic River Study and Management Plan for Tuolumne River		x				x										
UC Cooperative Extension	Master Gardener Program									x							