

### Proposal Full View

Print

**Applicant Information**

Organization Name Rancho California Water District \*  
 Tax ID **952415751**  
 Proposal Name Upper Santa Margarita Watershed Planning Region  
 IRWM Proposition 84 Round 1 Implementation  
 Proposal \*  
 Proposal Objective The objective of this Proposal is to obtain funding for five Implementation projects that are consistent with the Upper Santa Margarita Watershed (USMW) IRWM Plan. The five Implementation projects address critical watershed needs that purposefully implement regional and interregional planning and implementation of the USMW Planning Region goals, objectives, projects and programs. These projects are entirely consistent with Proposition 84 Guidelines and IRWM PSP eligibility requirements and represent significant coordination between the Upper Santa Margarita Watershed Planning Region RWMG and the other RWMGs in the San Diego Funding Area via Tri-County FACC. One of the projects also directly impacts the region's ability to comply with Santa Margarita River base flow requirements per settlement agreement. This Proposal seeks funding for all five projects as part of the implementation of the region's adopted IRWM Plan and Tri-County Funding Area Coordinating Committee Agreement. \*

**Budget**

Other Contribution	\$450,000.00
Local Contribution	\$16,691,080.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$4,332,008.00 *
Total Project Cost	\$21,473,088.00 *

**Geographic Information**

Latitude \* DD(+/-)  MM  SS   
 Longitude \* DD(+/-)  MM  SS   
 Longitude/Latitude Clarification Location  
 County Orange, San Diego, Riverside \*  
 Ground Water Basin Santa Margarita Valley, Temecula Valley  
 Hydrologic Region South Coast  
 Watershed Upper Santa Margarita River and  
 San Mateo Creek Watersheds

**Legislative Information**

Assembly District 64th Assembly District, 66th Assembly District, 73rd Assembly District \*  
 Senate District 36th Senate District, 37th Senate District, 38th Senate District \*  
 US Congressional District District 15 (CA), District 45 (CA), District 49 (CA) \*

**Project Information**

**Project Benefits Information**

Project Name WR-34 Hydroelectric Power Generation Pr

Project Benefit Type	Benefit Type	Measurement	Description
			Water supply in the Santa Margarita Watershed is governed by a settlement agreement and Cooperative Water Resource Management Agreement between Camp Pendleton and Rancho California Water District, defining Rancho California Water District's (RCWD) Gorge flow requirements to the Santa Margarita River system to be 2,500 acre-feet per year.

Primary	Other-Project Performance	166000	Maintaining base flows and other physical, hydrological, and biological processes and conditions is critical to maintaining the high resource values of the system. In addition to critical water supply needs, endangered and sensitive species as well as critical habitat areas rely on these Santa Margarita River base flows in order to sustain ecosystem function and values. The Santa Margarita River Outfall Project (WR-34 Turnout) was constructed by RCWD to provide imported water in order to help maintain required base flows to the Santa Margarita River. RCWD paid \$1.4 million to construct this turnout project, along with annual imported water purchases from the Metropolitan Water District. Construction of the subject WR-34 Hydroelectric Power Generation Project will strengthen Rancho California Water District's ability to continue to replenish the Santa Margarita River base flows required by settlement agreement with the Federal government by enhancing management of existing water management facilities and using available hydraulic flows to provide green energy in order to reduce costs associated with replenishment of Santa Margarita base flows. Since RCWD must use imported water to help meet this settlement agreement, more energy is being consumed to bring down this water from northern California, hundreds of miles. The subject hydropower project is a direct offset of energy for a water supply project. The project will generate average annual energy revenues of \$166,000.
Secondary	Ecosystem: Riparian Habitat	2500	The WR-34 Hydroelectric Power Generation Project provides the ability to maintain a flow of water into the Santa Margarita River ensuring sustained ecological benefits throughout the river corridor, including a sustainable habitat for the local wildlife population. The energy revenue provides stability in water rates and reliability in water supply, thereby maintaining the flow of water required in the River

**Budget**

Other Contribution	0
Local Contribution	335348
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1006044
Total Project Cost	1341392

**Geographic Information**

Latitude DD(+/-)	33	MM 28	SS 50
Longitude DD(+/-)	-117	MM 8	SS 42
Longitude/Latitude Clarification	Location		

	Riverside
Ground Water Basin	Santa Margarita Valley
Hydrologic Region	South Coast
WaterShed	Upper Santa Margarita River Watershed

**Legislative Information**

Assembly District	66th Assembly District
Senate District	36th Senate District
US Congressional District	District 49 (CA)

**Project Information**

**Project Benefits Information**

Project Name

Water Quality Enhancements in Riverside

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Educational	0	<p>The USM Watershed IRWM Proposal provides for educational opportunities most directly through the Water Quality Enhancements in Riverside County project while the other proposed projects may have incidental educational components. This project includes education and outreach through two components: • Preparation of presentations, development of handout materials, and developing a post presentation survey; and • Conducting 40 workshops, printing distribution handout materials, and conducting post-presentation survey. The goal of the education component of the project is to educate homeowners on the need and benefits associated with retrofitting existing common landscaped areas to include features that reduce the use of potable water and promote infiltrations. While it is difficult to quantify the benefits of education, it has been proven that education in many forms and communication methods reaches the variety of communities we serve and results in action at some level, either immediately or in the future. The survey will be developed in an attempt to characterize the behavioral and retrofit changes that were implemented at the site following the presentation.</p>
Primary	Other-Water quality in general	0	<p>The primary goal of the plans (hydromodification management plan and retrofit guidance/study) is to promote low impact development BMPs to effectively manage runoff. Since runoff will be reduced to the natural streams, contaminants will also be reduced. In addition, negative hydromodification impacts resulting from new development projects, including increased runoff and concentrated flows, will be mitigated to the pre-developed condition and management of existing hydromodification problems will be identified and highlighted as potential retrofit areas, thus minimizing hydromodification</p>

			within the watershed.
Secondary	Ecosystem: Riparian Habitat	0	Hydromodification management and retrofitted sites will reduce runoff and contaminants to downstream natural channels therefore adding another level of protection and preservation of existing habitat. Because infiltration will be used extensively to manage hydromodification, groundwater recharge sites will be utilized.
Secondary	Management Plans-Other	0	The cost of not implementing this project include costs of fines from the San Diego Regional Water Quality Control Board, costs of TMDLs and other regional treatment projects, costs to restore habitat otherwise preserved by reducing the negative impacts on hydromodification, costs to import water that would otherwise infiltrate into the groundwater through infiltration BMPs, and costs to import waters that would otherwise have been reused through the use of cisterns and rainbarrels.

**Budget**

Other Contribution	0
Local Contribution	114281
Federal Contribution	0
Inkind Contribution	0
Amount Requested	342644
Total Project Cost	456925

**Geographic Information**

Latitude DD(+/-)	33	MM 30	SS 19
Longitude DD(+/-)	-117	MM 3	SS 39
Longitude/Latitude Clarification	Location		

County	Riverside
Ground Water Basin	Santa Margarita Valley, Temecula Valley
Hydrologic Region	South Coast
WaterShed	Upper Santa Margarita River Watershed

**Legislative Information**

Assembly District	64th Assembly District, 65th Assembly District
Senate District	36th Senate District, 37th Senate District
US Congressional District	District 45 (CA), District 49 (CA)

**Project Information**

**Project Benefits Information**

Project Name: Implementing Nutrient Management in the S

Project Benefit Type	Benefit Type	Measurement	Description
			The Implementing Nutrient Management in the Santa Margarita River Watershed project could result in avoided water imports by RCWD if found that they could use recycled water instead of imported

Primary	Sediment Removal-Water Supply Enhancement	4000	raw water to augment flows in the Santa Margarita River. The proposed project would study and refine water quality objectives for the Santa Margarita River watershed, which could possibly find that a broader range of water sources, such as recycled water, may be naturally sustained to the Santa Margarita River.
Secondary	Ecosystem: Riparian Habitat	0	<p>The establishment of WQOs could potentially find that a broader range of water sources, such as recycled water, could be naturally sustained by the Santa Margarita River watershed. If this project finds that recycled water can be delivered to the Santa Margarita River, then other water purveyors in addition to RCWD may choose to augment river flows in this manner.</p> <p>Currently, some water purveyors within the project area divert their recycled water flows to the Santa Ana River watershed, because they are not permitted to deliver recycled water to Santa Margarita River watershed. If this was to change, it would substantially increase in-stream flows within the Santa Margarita River watershed. Increases in in-stream flows to Santa Margarita River watershed, as described previously, could potentially be a result of the Implementing Nutrient Management in the Santa Margarita River Watershed project. Increased river flows within the project area would enhance the habitat for fish and wildlife within the region, including the southern steelhead trout, which is a listed species pursuant to the Endangered Species Act. These ecosystem benefits were not quantified and/or monetized.</p>
Secondary	Watershed Protection-Water Quality Improvement	0	<p>The Implementing Nutrient Management in the Santa Margarita River Watershed project will involve the establishment of water quality objectives (WQOs), which will be based on the level of nutrients in the Santa Margarita River and will determine what additional nutrients the watershed can sustainably assimilate. The project will include data collection that will support modeling in the estuary and watershed in order to develop and implement nutrient reduction and water conservation best management practices (BMPs) that will be required to achieve the TMDL for nutrients that will be issued by the San Diego RWQCB. Implementation of the proposed project is anticipated to impart economic water quality benefits, because it will take place in a manner that improves water quality in the Santa Margarita River watershed and that is protective of the beneficial uses provided by these water bodies. The water quality benefits that protect beneficial uses were not quantified</p>

			and/or monetized.
Secondary	Other-Impaired water bodies - improved water body	0	The Implementing Nutrient Management in the Santa Margarita River Watershed project will involve the establishment of water quality objectives (WQOs), which will be based on the level of nutrients in the Santa Margarita River and will determine what additional nutrients the watershed can sustainably assimilate. The project will include data collection that will support modeling in the estuary and watershed in order to develop and implement nutrient reduction and water conservation best management practices (BMPs) that will be required to achieve the TMDL for nutrients that will be issued by the San Diego RWQCB. Implementation of the proposed project is anticipated to impart economic water quality benefits, because it will take place in a manner that improves water quality in the Santa Margarita River watershed and that is protective of the beneficial uses provided by these water bodies. The water quality benefits that protect beneficial uses were not quantified and/or monetized.

**Budget**

Other Contribution	450000
Local Contribution	172500
Federal Contribution	0
Inkind Contribution	0
Amount Requested	67500
Total Project Cost	690000

**Geographic Information**

Latitude DD(+/-)	33	MM 30	SS 19
Longitude DD(+/-)	-117	MM 3	SS 39
Longitude/Latitude Clarification	Location		

County	Riverside
Ground Water Basin	Santa Margarita Valley, Temecula Valley
Hydrologic Region	South Coast
WaterShed	Upper Santa Margarita River Watershed

**Legislative Information**

Assembly District	64th Assembly District, 65th Assembly District
Senate District	36th Senate District, 37th Senate District
US Congressional District	District 45 (CA), District 49 (CA)

**Project Information**

**Project Benefits Information**

Project Name: Vail Lake Stabilization and Conjunctive Us

Project Benefit Type	Benefit Type	Measurement	Description

Secondary	Public Access/Recreation	0	<p>Vail Lake beneficial uses will be improved as a result of the entire Proposal, particularly to Vail Lake and the region's creeks for their continued recreational use. Riverside County residents of all socio-economic backgrounds find continual enjoyment in recreational activities in and around Vail Lake and the creeks in their healthy and natural state. Each of these areas provide a diverse range of recreational opportunities including such things as walking, hiking, bird watching, fishing, mountain biking, horseback riding, camping, boating, and swimming. Vail Lake reservoir is located in western Riverside County on the Temecula Creek and Santa Margarita River watershed approximately 10 miles from Old Town Temecula. The convenient location is a popular recreational destination to more than 425 boats monthly on an annual average. The lake is operational year-round, with the heaviest use in the summer months with more than 700 boats monthly. This equates to more than 1,700 users monthly on an annual average and nearly 3,000 monthly users in the summer months. The lake was created in 1948 by the owners of Vail Ranch and owned and operated by the RCWD since 1978. The 11,000+ acre property surrounding Vail Lake is privately owned, providing recreational opportunities with over 9,000 acres of ancient, shady oaks in a natural California chaparral setting. The Vail Lake Transmission Main and Pump Station will provide the much needed water for storage in Vail Lake, which will increase the water levels in the lake, improving the use of the boat docks, and therefore, enhancing recreational beneficial use. Additionally, controlling the Quagga Mussel population and improving the natural vegetation will ensure continued use and operation of the lake, limiting closure days and further enhancing the recreational beneficial uses of the lake.</p>
Secondary	Ecosystem: Shallow Water/ Marsh/ Wetland Habitat	0	<p>Specifically, the Vail Lake Stabilization and Conjunctive Use Project provides restorative benefits to the ecosystem through increased water supply in the lake, beneficial groundwater impacts, and sustainable vegetation that provides a sustainable habitat for the local</p>

			wildlife population.
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**Budget**

Other Contribution	0
Local Contribution	15746510
Federal Contribution	0
Inkind Contribution	0
Amount Requested	1948500
Total Project Cost	17695010

**Geographic Information**

Latitude DD(+/-)	33	MM 30	SS 18
Longitude DD(+/-)	-117	MM 1	SS 25
Longitude/Latitude Clarification	Location		

County	Riverside
Ground Water Basin	Santa Margarita Valley, Temecula Valley
Hydrologic Region	South Coast
WaterShed	Upper Santa Margarita River Watershed

**Legislative Information**

Assembly District	64th Assembly District
Senate District	36th Senate District
US Congressional District	District 45 (CA)

**Project Information**

**Project Benefits Information**

Project Name Agricultural Irrigation Efficiency Program

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Ecosystem: Agricultural Lands-Prime	0	<p>The Program shows that pilot testing of irrigation scheduling technologies such as weather-based irrigation controllers, soil-moisture and salinity sensing technologies, weather stations and associated wireless telemetry systems, all of which have been proven to increase irrigation efficiency. Pilot testing in urban settings, The Residential Runoff Reduction Study, of weather based irrigation controllers showed that runoff was reduced by 50% in the study area without an increase in non-point source pollutant concentrations, thereby translating to an estimated 50% reduction in pollutants. Similar runoff reductions anticipated will result from the implementation of the Program.</p> <p>Since the Program will be implemented throughout the USM Watershed Planning region, runoff reductions will occur region wide resulting in improved ecosystem health in local creeks and waters.</p>
			<p>Implementation of the Agricultural Irrigation Efficiency Program (Program) will result in the following water quality benefits: Reduction of irrigation runoff</p>

Primary	Agricultural Drainage-Water Quality Improvement	0	through maximization of irrigation water infiltration; o Reduction in non-point source pollution loads; and o Improvements in surface and groundwater quality in the Santa Margarita Watershed. If implemented, the proposed Program will benefit regional water quality through on-farm irrigation system retrofits. These irrigation system retrofits will lead to water quality improvements by minimizing deposition of potential pollutants such as pesticides and fertilizers into regional water supplies through runoff and deep percolation. More specifically, these system retrofits will lead to enhanced levels of irrigation efficiency in terms of properly specified sprinkler precipitation rates, increased distribution uniformity, and enhanced efficiency of timing of irrigation water applications.
Secondary	Other-Project Performance	1708049	The Program will result in energy savings as shown in Table 16. Energy savings will result in approximately 1,500 kilowatt hours (kWh) per acre foot of water pumped. At an average rate per kWh of \$0.09, more than \$95,000 per year in savings in the first three years will be realized, and more than \$285,000 per year in savings for the next 11 years will be realized. To determine the estimate of energy savings benefits, energy requirements in kWh for pumping an acre foot of water were applied to estimated acre feet of water supply benefits. RCWD currently uses an average rate per kWh of \$0.09 for all power projections. Energy savings are calculated at 1,500 kWh per acre foot of water pumped. The Program will realize approximately 705 AFY in the first three years, 2,115 AFY in the next 11 years, and 705AFY for the final two years for a total of nearly 27,000 AF of avoided water purchases over the life of the project as shown in Attachment 7, Water Supply Benefits, also resulting in energy savings. The estimated energy savings resulting from this project are \$1.7 million.

**Budget**

Other Contribution	0
Local Contribution	322440
Federal Contribution	0
Inkind Contribution	0
Amount Requested	967320
Total Project Cost	1289760

**Geographic Information**

Latitude DD(+/-)	33	MM 30	SS 44
Longitude DD(+/-)	-117	MM 10	SS 24

Longitude/Latitude Clarification	Location
County	Riverside
Ground Water Basin	Santa Margarita Valley, Temecula Valley
Hydrologic Region	South Coast
WaterShed	Upper Santa Margarita River Watershed

**Legislative Information**

Assembly District	64th Assembly District, 66th Assembly District
Senate District	36th Senate District
US Congressional District	District 45 (CA), District 49 (CA)

**Section : Applicant Information and Question's Tab**

APPLICANT INFORMATION AND QUESTION'S TAB

**Q1. PROPOSAL DESCRIPTION**

Provide a brief abstract of the Proposal, including a listing of individual project titles or types. Please note which projects, if any, directly address a critical water supply or water quality issue for a DAC or Native American Tribal communities.

The vision of the IRWM Plan as established by the Upper Santa Margarita Watershed stakeholders is stated as: "The IRWM Plan will take a balanced and consensus-based approach that will provide for the protection and sustainability of the Upper Santa Margarita Watershed's water resources, natural resources, and habitats." Based on this vision, the following goals and objectives were developed for the Approved IRWM Plan. The proposed Work Plan goals and objectives are consistent with the IRWMP Plan listed below: A. Develop more reliable and diverse portfolio of water supplies B. Promote economic, social and environmental sustainability C. Improve water quality D. Restore, enhance and maintain habitats and open space E. Manage floodplain impacts F. Account for recreational opportunities G. Implement effective land use planning H. Increase stakeholder involvement The projects included in this proposal all serve to meet these goals and objectives. The emphasis in the selected projects is to maximize water resources, as shown in that all five of the projects are specifically water resources projects. The Upper Santa Margarita Watershed Planning Region IRWM Implementation Proposal includes a suite of five projects that, when implemented both individually and collectively, will provide multiple water supply, water quality and environmental benefits. The following is a list of proposed projects, along with letters indicating the goals and objectives addressed by the project.

Uppercase letters indicate that the project directly contributes to the goal, while lower-case letters indicate that the project indirectly or somewhat contributes to the goal. 1. Vail Lake Stabilization and Conjunctive Use Project: A, B, c, d, F, g 2. Agricultural Irrigation Efficiency Program: A, B, C, E, g, H 3. WR-34 Hydroelectric Power Generation Project: a, B, C 4. Water Quality Enhancement in Riverside County: A, B, C, D, E, F, G, H 5. Implementing Nutrient Management in the Santa Margarita River Watershed-Phase I: a, C, h The purpose of the Proposal is to further meet the goals and objectives listed above for the region by implementing projects that are in line with the stated goals and objectives. As shown by the listed goals and objectives, the need to improve water quality and increase water supply has been identified, and the primary purpose of the suite of projects included in the Proposal serves to bring the region closer to meeting those needs.

**Q2. PROJECT DIRECTOR**

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Perry Louck, Director of Planning, Rancho California Water District, (951) 296-6927, louckp@ranchowater.com

**Q3. PROJECT MANAGEMENT**

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Wendy Katagi, CEP, Principal, CDM, (213) 457-2200, katagiwr@cdm.com

**Q4. APPLICANT INFORMATION**

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

Rancho California Water District, 42135 Winchester Road, Temecula, CA 92590

**Q5. ADDITIONAL INFORMATION**

Provide the funding area(s) in which projects are located.

[http://www.water.ca.gov/irwm/integregio\\_fundingarea.cfm](http://www.water.ca.gov/irwm/integregio_fundingarea.cfm)

San Diego Funding Area

**Q6. RESPONSIBLE REGIONAL WATER QUALITY CONTROL BOARD(S)**

List the name of the Regional Water Quality Control Board (RWQCB) in which your proposal is located. For a region that extends beyond more than one RWQCB boundary, list the name of each Board.

[http://www.waterboards.ca.gov/waterboards\\_map.shtml](http://www.waterboards.ca.gov/waterboards_map.shtml)

San Diego Regional Water Quality Control Board

**Q7. ELIGIBILITY**

Proposition 84 requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Requirements for DAC funding match reductions are included in Exhibit G of this PSP. If your matching funds are less than 25%, please explain.

The funding match proposed is not less than 25% of the project cost.

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#### **Q8. ELIGIBILITY**

Does the application represent a single application from an IRWM Region approved in the RAP (see Section II.B, Table 1)? If yes, include the name of the IRWM Region. If not, explain.  
Yes. Upper Santa Margarita Watershed Planning Region.

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#### **Q9. ELIGIBILITY**

Is the applicant a local agency or non-profit organization as defined in Appendix B of the Grant Guidelines?

- a) Yes
- b) No

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#### **Q10. ELIGIBILITY**

List the urban water suppliers that will receive funding from the proposed grant. Those listed must submit self certification of compliance with CWC §525 et seq. and AB 1420. If there are none, so indicate and you do not have to answer Q11 and Q12.

Rancho California Water District

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#### **Q11. ELIGIBILITY**

Have all of the urban water suppliers, listed in Q10 above, submitted complete 2005 Urban Water Management Plans (UWMP) to DWR? Have those plans been verified as complete by DWR? If not, explain and provide the anticipated date for having a complete UWMP. Will all of the urban water suppliers listed in Q10, along with any additional urban water suppliers that meet the urban water supplier definition threshold for the first time, submit updated 2010 UWMPs, consistent with the 2010 UWMP Guidebook and verified as complete by DWR, before the execution of a grant agreement? If not, explain.

Yes, a complete 2005 UWMP was submitted to DWR by Rancho California Water District. Yes, the 2005 Rancho California Water District plan was verified as complete by DWR. Yes an updated 2010 UWMP consistent with the 2010 UWMP Guidebook will be submitted before execution of a grant agreement.

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#### **Q12. ELIGIBILITY**

Have any urban water suppliers listed in Q10 recently submitted AB 1420 compliance tables and supporting documentation to DWR for a different grant program within the past three months? If so, please list the urban water supplier and the grant program. An urban water supplier must submit AB 1420 compliance documentation to DWR. If the urban water supplier has not submitted AB 1420 documentation, or that documentation was determined to be incomplete by DWR, the urban water supplier's projects will not be considered eligible for grant funding. Refer to Section II.B of the Guidelines for additional information.

Yes. Rancho California submitted AB 1420 compliance tables and supporting documentation for the 2010 IRWM Proposition 84 Planning Grant Round

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#### **Q13. ELIGIBILITY**

Does the Proposal include any groundwater management or groundwater recharge projects or projects with potential groundwater impacts? If so, provide the name(s) of the project(s) and list the agency(ies) that will implement the project(s).

Yes. 1) Vail Lake Stabilization and Conjunctive Use Project (Rancho California Water District), 2) WR-34 Hydroelectric Power Generation Project (Rancho California Water District)

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#### **Q14. ELIGIBILITY**

For the agency(ies) listed in Q13, how has the agency complied with CWC §10753 regarding GWMPs, as described in Section III.B of the Grant Guidelines?

The Rancho California Water District (RCWD) receives groundwater from the Temecula-Murrieta Basin (Basin) which underlies southwestern Riverside County and a portion of northern San Diego County, within the Santa Margarita River (SMR) Watershed. Two aquifers within the Basin ??? the Pauba aquifer and the Temecula aquifer ??? include eight underlying groundwater basins, which are based upon surface water hydrology subbasins. The Basin has been governed under court jurisdiction since 1928, as part of the Santa Margarita River Watershed system, including judgments decreed in 1940 and 1963, incorporated into a Modified Final Judgment in 1966. Permits for water use were first filed in 1946, issued in 1948 and amended in 2009. Years of disputes over interpretation by multiple parties, including the U.S. Marine Corps Camp Pendleton, over water use in the watershed basins, citing the judgments did not fully meet the needs of the parties for effective water management. A settlement agreement between Camp Pendleton and RCWD was finally reached and executed in March 2002. This agreement more effectively implements the judgments and remains today to manage surface water flow in the SMR and use of the Basin. In December 2006, a Groundwater Management Agreement between RCWD and the Pechanga Indians was executed to govern the management of groundwater pumping from the Wolf Valley Groundwater Basin, a sub-basin to the Basin, in a manner that protects groundwater resources. Further, a Watermaster, assigned by the court, oversees uses within the SMR Watershed, including the Santa Margarita Groundwater Basin, Anza Groundwater Basin, and Temecula-Murrieta Groundwater Basin, although does not manage the basins. The Watermaster works cooperatively with a steering committee comprised of entities within the watershed and overlying the groundwater basin and prepares an Annual Watermaster Report, reporting annual water conditions in the watershed, including surface and subsurface water, imports and exports, water rights, water production and use, threats to water supply, water quality, review of agreements, and five-year projection of Watermaster activities. The Court retains jurisdiction over all surface flows of the SMR Watershed and all underground waters determined by the Court to be subsurface flow of streams/creeks that support/contribute to the SMR stream system. The RCWD works cooperatively with the Watermaster to 1) manage the basin on a watershed-wide basis under Court jurisdiction, using the Annual Watermaster Report and agreements, 2) implement projects through the Upper Santa Margarita Watershed Planning Region IRWMP, and 3) prepare an annual groundwater hydrogeologic assessment that guides the management of the Basin on a sustainable safe yield basis. A comprehensive groundwater model covering the area of the region???'s watershed is included, making the Temecula-Murrieta Basin one of the most studied basins???'s in the state. Collectively, the documents discussed above meet the requirements of a groundwater management plan pursuant to CWC 10753.7. Specifically, addressing the following: basin management objectives; monitoring/management of groundwater levels; monitoring of inelastic land surface subsidence; monitoring protocols; groundwater quality; surface flows and quality; map of the groundwater basin and the area subject to requirements of groundwater management, and cooperatively working with public entities within the watershed and overlying the groundwater basin. Based on recent resolution of the lengthy and extensive litigation in the watershed on water rights and use, RCWD will seek to work cooperatively with the entities in the affected groundwater basin area toward bringing together the components of the documents listed above that govern surface and groundwater management in the watershed into a single groundwater management plan, while understanding the governing Court documents and

agreement remain the authoritative

**Q15. ELIGIBILITY**

Does the IRWM region receive water supplied from the Sacramento-San Joaquin Delta? Please answer yes or no. If no, please explain. If yes, please answer Question 16.

Yes

**Q16. ELIGIBILITY**

Does the existing IRWM Plan help reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

Yes

**Q17. ELIGIBILITY**

If an update to the plan takes place in the near future, will the updated plan continue to reduce dependence on the Sacramento-San Joaquin Delta for water supply? Please answer yes or no. If no, please explain. If yes, please complete Attachment 15.

Yes

**Section : Application Attachments Tab**

APPLICATION ATTACHMENTS TAB

**A1. ATTACHMENT 1**

Upload Authorization and Eligibility documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att1\_IG1\_Eligible\_1of6.pdf

Upload additional Authorization and Eligibility documentation here.

Last Uploaded Attachments: Att1\_IG1\_Eligible\_2of6.pdf

Upload additional Authorization and Eligibility documentation here.

Upload additional Authorization and Eligibility documentation here.

**A2. ATTACHMENT 2**

Upload Proof of Formal Adoption documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att2\_IG1\_Adopt\_1of1.pdf

Upload additional Proof of Formal Adoption documentation here.

Last Uploaded Attachments: Att1\_IG1\_Eligible\_5of6.pdf

Upload additional Proof of Formal Adoption documentation here.

Upload additional Proof of Formal Adoption documentation here.

Last Uploaded Attachments: Att1\_IG1\_Eligible\_3of6.pdf

Upload additional Proof of Formal Adoption documentation here.

**A3. ATTACHMENT 3**

Upload the Work Plan here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att3\_IG1\_WorkPlan\_1of5.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3\_IG1\_WorkPlan\_2of5.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3\_IG1\_WorkPlan\_4of5.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3\_IG1\_WorkPlan\_3of5.pdf

Upload additional work plan components here.

Last Uploaded Attachments: Att3\_IG1\_WorkPlan\_5of5.pdf

**A4. ATTACHMENT 4**

Upload the Budget here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att4\_IG1\_Budget\_1of1.pdf

Upload additional budget components here.

#### **A5. ATTACHMENT 5**

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Upload the Schedule here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att5\_IG1\_Schedule\_1of1.pdf

Upload additional schedule components here.

#### **A6. ATTACHMENT 6**

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Upload Monitoring, Assessment, and Performance Measures here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att6\_IG1\_Measures\_1of1.pdf

Upload additional Monitoring, Assessment, and Performance Measures here.

#### **A7. ATTACHMENT 7**

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Upload Economic Analysis - Water Supply Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att7\_IG1\_WSBen\_1of1.pdf

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

Upload additional Economic Analysis - Water Supply Costs and Benefits documentation here.

#### **A8. ATTACHMENT 8**

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Upload Water Quality and Other Expected Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att8\_IG1\_WQOtherBen\_1of1.pdf

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

Upload additional Water Quality and Other Expected Benefits documentation here.

### **Section : Application Attachments Tab (cont)**

#### **APPLICATION ATTACHMENTS TAB (CONT)**

#### **A9. ATTACHMENT 9**

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Upload Economic Analysis - Flood Damage Reduction Costs and Benefits here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.

Last Uploaded Attachments: Att1\_IG1\_Eligible\_4of6.pdf

**Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.**

Last Uploaded Attachments: Att1\_IG1\_Eligible\_6of6.pdf

**Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.**

**Upload additional Economic Analysis - Flood Damage Reduction Costs and Benefits documentation here.**

#### **A10. ATTACHMENT 10**

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Upload Costs and Benefits Summary here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att10\_IG1\_BSummary\_1of1.pdf

**Upload additional Costs and Benefits Summary documentation here.**

#### **A11. ATTACHMENT 11**

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Upload Program Preference documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att11\_IG1\_Preference\_1of1.pdf

**Upload additional Program Preference documentation here.**

**Upload additional Program Preference documentation here. Upload additional Program Preference documentation here.**

**Upload additional Program Preference documentation here.**

#### **A12. ATTACHMENT 12**

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Upload Disadvantaged Community Assistance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att12\_IG1\_DAC\_1of1.pdf

**Upload additional Disadvantaged Community Assistance documentation here.**

#### **A13. ATTACHMENT 13**

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**Upload AB 1420 and Water Meter Compliance documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).**

**Upload additional AB 1420 and Water Meter Compliance documentation here.**

**Upload additional AB 1420 and Water Meter Compliance documentation here.**

**Upload additional AB 1420 and Water Meter Compliance documentation here.**

**Upload additional AB 1420 and Water Meter Compliance documentation here.**

#### **A14. ATTACHMENT 14**

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Upload Consent Form here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin).

Last Uploaded Attachments: Att14\_IG1\_Consent\_1of1.pdf

**Upload additional Consent Form documentation here.**

#### **A15. ATTACHMENT 15**

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Upload IRWM Plan - Reduce Delta Water Dependence documentation here. Ensure file name is consistent with section V of the Implementation Grant PSP (disregard the 5 digit pin). For the "AttachmentName" in the naming convention of BMS, use "Delta" for this attachment.

Last Uploaded Attachments: Att15\_IG1\_Deltawater\_1of1.pdf

**Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.**

**Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.**

**Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.**

**Upload additional IRWM Plan - Reduce Delta Water Dependence documentation here.**

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