

## **1.5 Project Consistency with an adopted IRWM Plan**

As mentioned previously, the RWMG adopted the updated Kern IRWM Plan on January 23, 2012. The original prioritized project list was prepared in July 2009. The Governance structure allows the RWMG and participants to update the project list on a more frequent basis without having to re-adopt the entire Plan document. This project list update is typically scheduled every one to two years. The last project list update occurred in 2012 in preparation for the Proposition 84 Round 2 Implementation Grant.

In order to have sufficient time for conducting the project prioritization process for potential grant funding in 2014, the RWMG issued a new call for projects in August 2013 with a due date of October 31, 2013. After the receipt of new projects submittal forms, each subregion (see **Figure 1.5-1**) was tasked with scoring the projects within their subregion using the Tier I scoring criteria as defined in the Project Prioritization Process of the Kern IRWM Plan (Section 12.1). The subregions were required to submit their scored projects, including their top five projects, to the Executive Committee. The top five projects, if applicable, from each subregion were used to create the high priority list. Consistent with the Kern IRWMP project prioritization process, the remaining projects were sorted into the medium and low priority lists based on their scores (see **Appendix 1.5-A**).

With the announcement of Drought Solicitation Implementation Grant and its drought specific criteria, a Supplemental Project Information Form was distributed to the participants to solicit information on how a proponent's project addresses drought issues. Each project sponsor was also required to address readiness to proceed with their project and with preparing a grant application should their project be selected by the Executive Committee.

To increase outreach with disadvantaged communities (DACs), RWMG representatives contacted several of the DACs or their representatives who are not active in attending meetings or responding to correspondence. Self Help Enterprises was also contacted to solicit information on potential drought-related projects in the Kern Region. Based on this correspondence, it was determined that most of the urgent DAC drought-related drinking water projects are currently being handled through expedited CDPH grant funding available in 2014.

After the collection of this additional information, the final project list was reviewed with the RWMG at the April 28, 2014 meeting. After the RWMG meeting was conducted, the Executive Committee met to score the high priority project list using the Tier II scoring criteria. Based on the Tier II scores and the Supplemental Forms specific for the Drought Solicitation, four (4) projects were selected for inclusion in this Grant Proposal. These four projects are located in three of the seven subregions. All of these projects were included in the 2013/2014 prioritized project list.

These multi-benefit projects help address the current and future severe drought impacts in this Region. Taken together, these projects will achieve several of the Kern Region IRWM Plan objectives and increase cooperation and integration by multiple parties on long-standing local resource issues. The projects and proponents are listed in **Table 1.5-1** along with and Kern IRWM Plan objectives they address.

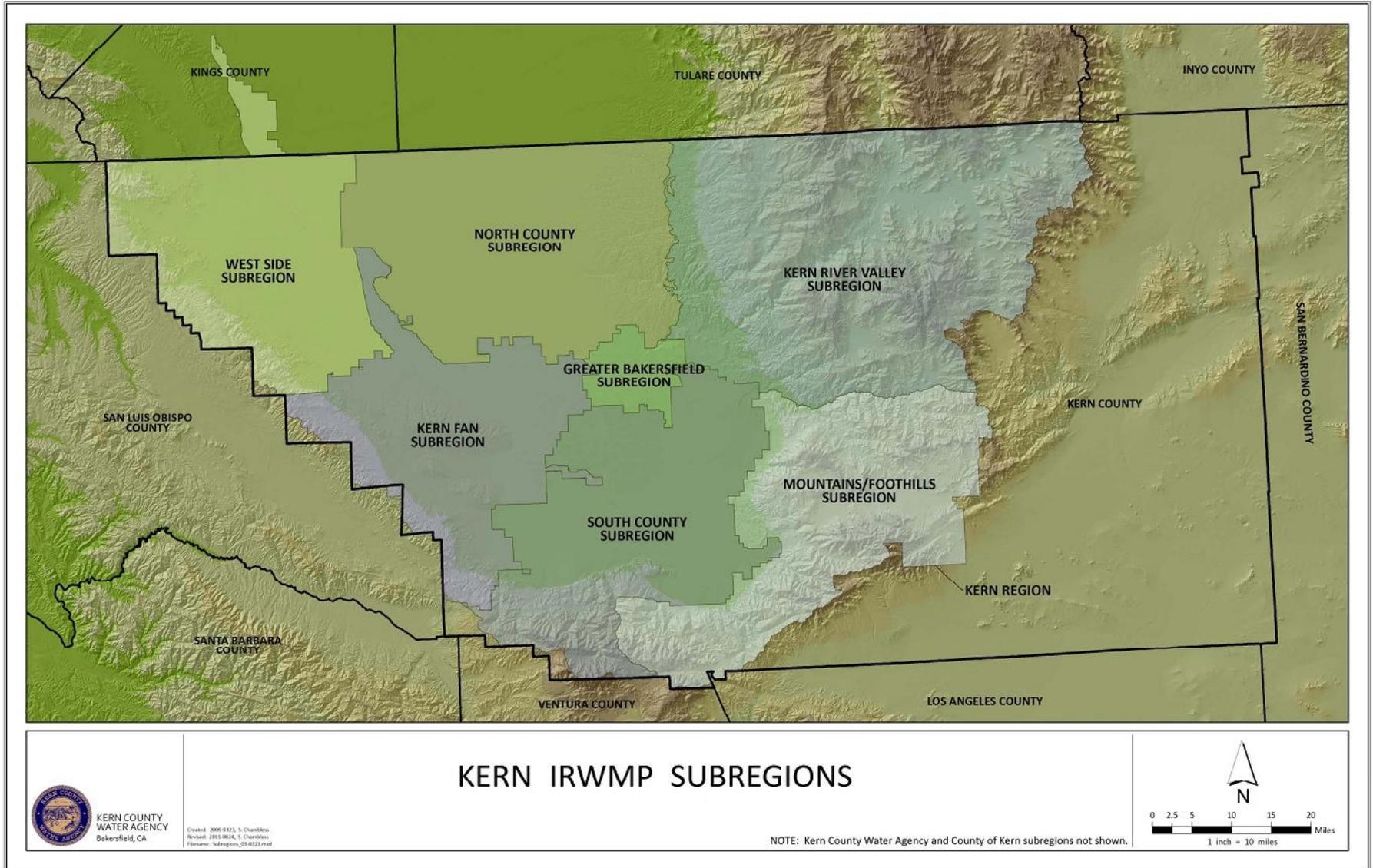


Figure 1.5-1: Kern IRWMP Plan Sub-regions

Table 1.5-1: Kern IRWM Plan Objectives Addressed by Projects

Kern IRWM Plan Objectives	Project 1 BVWSD Brackish GW Recovery Project	Project 2 ID4 CVC Extension Lining Project	Project 3 AEWSD In-lieu Recharge Project	Project 4 BCWD Water Main Replacement / Meter Install Project
<b>Increase Water Supply (WS)</b>				
Through cooperation and collaboration with other regions restore water supplies to levels that will mitigate for water lost from the Region and eliminate overdraft	X	X	X	X
Pursue and implement cost effective water use efficiency programs		X		X
Increase water storage capacity in the region by increasing recharge acreage and expanding groundwater banking programs before all prime recharge land has been developed 8,000 recharge acres as soon as practicable			X	
Increase/augment water supplies to meet region demands (e.g., M&I, agricultural, environmental) by 2050.	X	X	X	X
<b>Improve Operational Efficiency (OE)</b>				
Optimize local management of water resources to improve water supply reliability over the planning horizon	X	X	X	X
<b>Improve Water Quality (WQ)</b>				
Identify and preserve prime recharge areas in the Kern fan area and other areas				
Improve water quality for DACs and the watershed over the planning horizon	X		X	X
Continue to provide drinking water that meets or exceeds water quality standards; and support efforts to attain appropriate standards throughout the planning horizon		X		X
Maximize the use of lesser quality water for appropriate uses (landscaping, certain ag crops, "aesthetic" projects) throughout the planning horizon	X			
<b>Promote Land Use Planning and Resource Stewardship (LU)</b>				
Increase educational opportunities to improve public awareness of water supply, conservation, and water quality issues throughout the planning horizon		X	X	X
Improve and coordinate integrated land use planning to support stewardship of environmental resources, such as local rivers and streams and the Kern Fan, and integrate with habitat conservation plans and other ongoing planning efforts from this point forward	X	X		
Preserve and improve ecosystem/watershed health throughout the planning horizon	X	X		
<b>Improve Regional Flood Management (FM)</b>				
Improve regional flood management by addressing preparedness, response, and post flood actions throughout the planning horizon			X	
Identify and promote innovative flood management projects to protect vulnerable areas			X	
Plan new developments to minimize flood impacts from this point forward				

**Appendix 1.5-A**

**Project Prioritization Process of Kern IRWM Projects: Tier I Scores**

**Kern IRWM Group  
Project Prioritization List**

4/10/2014

Form #	Subregion	Project Applicant	Title	Tier 1 Score (1)	Subregion Top 5	Priority	Supplemental Drought Form Submitted
CK-1	County of Kern	County of Kern	South Shafter Sewer	31	Y	High	
CK-2	County of Kern	County of Kern	Caliente Creek Habitat Restoration	44	Y	High	
CK-3	County of Kern	County of Kern	Lakeshore Pines Leachfield Restoration	29	Y	High	
CK-4	County of Kern	County of Kern	Lake Isabella Detailed Sewer Study	33	Y	High	
CK-5	County of Kern	County of Kern	Krista Mutual Water Company Water Project	30	Y	High	
CK-6	County of Kern	County of Kern	Reeder Tract WWT Facility	22		Low	
CK-7	County of Kern	County of Kern	Sandy Creek Bank and Erosion Protection	24		Low	
CK-8	County of Kern	County of Kern	South Taft Sewer Improvements	26		Low	
CK-9	County of Kern	County of Kern	Cuddy Creek Restoration Project	28		Low	
CK-10	County of Kern	County of Kern	Reconstruction of Adams/Jefferson St - Ford City	13		Low	
CK-11	County of Kern	County of Kern	Disadvantaged Community Leak Detection Program	27		Low	
CK-12	County of Kern	County of Kern	Athal Water Project			A	
GB-1	Greater Bakersfield	Improvement District No. 4	Recharge Improvement Project	19	Y	High	
GB-2	Greater Bakersfield	Improvement District No. 4	Beardsley Pipeline	22	Y	High	Y
GB-3	Greater Bakersfield	Improvement District No. 4	CVC Extension Lining	17	Y	High	Y
GB-4	Greater Bakersfield	Improvement District No. 4	Groundwater Monitoring Wells	16	Y	High	
GB-6	Greater Bakersfield	Improvement District No. 4	Surface Water Quality Monitoring Stations	10	Y	High	
GB-5	Greater Bakersfield	City of Bakersfield	Water Conservation Project for Metropolitan Bakersfield	20		Rd2 Imp. Grant	
WA-1	KCWA	Kern County Water Agency	Biodenitrification of Groundwater Pilot Program	24	Y	High	
WA-2	KCWA	Kern County Water Agency	Photovoltaic Arrays	21	Y	High	
WA-3	KCWA	Kern County Water Agency	Well-head Arsenic Treatment	23	Y	High	
KF-2	Kern Fan	Kern Water Bank Authority	Kern Water Bank Short-Term Storage Program	21	Y	High	Y
KF-3	Kern Fan	Buena Vista Water Storage District	Brackish Groundwater Remediation Project	27	Y	High	Y
KF-4	Kern Fan	Buena Vista Water Storage District	Conservation Easement Water Acquisition and Management Project	20	Y	High	Y
KF-5	Kern Fan	Buena Vista Water Storage District	Groundwater Recharge and Recovery Project	36	Y	High	Y
KF-1	Kern Fan	Kern Water Bank Authority	Kern Water Bank Recharge and Recovery Enhancement Project	36		Rd2 Imp. Grant	
KF-6	Kern Fan	Tulare Basin Wildlife Partners	Goose Lake Wetlands Reserve Program Residual Value Purchase			Low	
KF-7	Kern Fan	Tulare Basin Wildlife Partners	Goose Lake Conservation Plan and DFG CAPP			Low	
KF-8	Kern Fan	Tulare Basin Wildlife Partners	Riparian and Wildlife Corridor Planning Area - Kern River			Low	
KF-9	Kern Fan	Buena Vista Water Storage District	Water Exchange Project			Low	
KF-10	Kern Fan	Buena Vista Water Storage District	On-Farm Water Use Efficiency	18		Low	
KF-11	Kern Fan	Buena Vista Water Storage District	Northern Improvement Project	19		Low	
KF-12	Kern Fan	Buena Vista Water Storage District	Kern Fan Direct Recharge and Recovery Project			Low	
KF-13	Kern Fan	Buttonwillow County Water District	Waterline Replacement Project	18		Low	

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Form #	Subregion	Project Applicant	Title	Tier 1 Score (1)	Subregion Top 5	Priority	Supplemental Drought Form Submitted
KR-1	Kern River Valley	County of Kern	Weldon Regional Water Project	39	Y	High	
KR-2	Kern River Valley	Tubatulabal Tribal Water Board	Phase II Safe Drinking Water and Tribal Allotments Community Water System	48	Y	High	Y
KR-3	Kern River Valley	Tubatulabal Tribal Water Board	Phase II Safe Drinking Water and Community Use Area - White Blanket Allotment	38	Y	High	
KR-4	Kern River Valley	Desert Mountain Resources Conservation and Development Council	Eradication of Invasive Weeds in the Kern River Valley and Walker Basin	47	Y	High	Y
KR-5	Kern River Valley	County of Kern	Tradewinds Auxiliary Well or Uranium Treatment	30	Y	High	Y
MF-1	Mountains/Foothills	County of Kern	GHSC Force Main Project	27	Y	High	
MF-4	Mountains/Foothills	Bear Valley Community Services District	Radio Nuclides Treatment Project	23	Y	High	Y
MF-2	Mountains/Foothills	Tehachapi-Cummings County Water District	Tehachapi Regional Water Conservation Program	36		Rd2 Imp. Grant	
MF-3	Mountains/Foothills	Tehachapi-Cummings County Water District	Public Facility Distribution Line and Nitrate Removal Program	41		Rd2 Imp. Grant	
	Mountains/Foothills	Frazier Park Public Utility District	Well Replacement		Y	Removed	
NC-1	North County	City of Shafter	Well No. 15	27	Y	High	
NC-2	North County	City of McFarland	Browning Road Storage Tank and Booster Facility	37	Y	High	Y
SC-8	South County	Arvin-Edison Water Storage District	In-Lieu Banking Program	78	Y	High	Y
SC-11	South County	Arvin-Edison Water Storage District	Improved Stormwater Management and Flood Control	75	Y	High	
SC-10	South County	Arvin-Edison Water Storage District	South Canal Balancing Reservoir	67	Y	High	
SC-7	South County	Arvin-Edison Water Storage District	Forrest Frick Rehabilitation Project	56	Y	High	Y
SC-1	South County	Arvin-Edison Water Storage District/Kern Delta Water District	AEWSD Intake Canal and Kern Delta Buena Vista River Canal Intertie Project	54	Y	High	
SC-2	South County	City of Arvin	Sycamore Drainage Facilities	32		Rd2 Imp. Grant	
SC-3	South County	Wheeler Ridge-Maricopa Water Storage District	Groundwater Storage and Recover in White Wolf Basin	43		Low	
SC-9	South County	Arvin-Edison Water Storage District	Lateral Capacity Improvement Project	43		Low	
SC-5	South County	Mettler County Water District	Mettler Groundwater Protection Project	38		Low	
SC-4	South County	Arvin-Edison Water Storage District	Wasteway Basin Improvement Project	32		Low	
SC-14	South County	Lamont Public Utilities District	Renovation of Belowground Storage Reservoir	20		Low	
SC-15	South County	Arvin Community Services District	Arsenic Mitigation Project	16		Low	
SC-13	South County	Lamont Public Utilities District	Water Quality Improvement Project for Well No. 16	14		Low	
SC-12	South County	Lamont Public Utilities District	Well No. 19 Arsenic Reduction Blending Project	12		Low	
SC-6	South County	Wheeler Ridge-Maricopa Water Storage District	Solar Power Generation	3		Low	
SC-16	South County	Mettler County Water District	Mettler Well No. 4 Project			Low	

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Form #	Subregion	Project Applicant	Title	Tier 1 Score (1)	Subregion Top 5	Priority	Supplemental Drought Form Submitted
WS-1	Westside	Lost Hills Water District	Regional Brackish Water Treatment Project	13	Y	High	Y
WS-2	Westside	Berrenda Mesa Water District	Westside Districts' Groundwater Banking Project	25	Y	High	
WS-3	Westside	Berrenda Mesa Water District	Lost Hills Surface Water Treatment Plant	19	Y	High	
WS-4	Westside	Lost Hills Utility District	Construction of a New Well to Provide a Firm Water Supply to the LHUD Users	17	Y	High	Y
WS-5	Westside	Lost Hills Utility District	Storage Tank Rehabilitation to the LHUD 2.0 MG Storage Tank	11	Y	High	Y
WS-6	Westside	City of Taft	Storm Drain and Floodplain Basin Project	8		Low	
WS-7	Westside	City of Maricopa	Maricopa Wastewater Project	6		Low	
WS-8	Westside	Tulare Basin Wildlife Partners	Buena Vista Lake-Kern Lake Conservation Plan and DFG CAPP	8		Low	

Notes:

(1) Highlight indicates project re-submitted & rescored

**Appendix 1.5-B**

**Project Prioritization Process of Kern IRWM Projects: Proponent Selection**

Form #	Subregion	Project Applicant	Title	Tier 2 Score	Project Cost Low	Project Cost High	Project Scalable	Cost Share	Benefits	Discussion Notes
KF-3	Kern Fan	Buena Vista Water Storage District	Brackish Groundwater Remediation Project	31	\$ 1,000,000	\$10,000,000	Y	Y	WQ, WS, Energy	
SC-8	South County	Arvin-Edison Water Storage District	In-Lieu Banking Program	29	\$1,000,000	\$10,000,000	Y	Y	WS, Delta, FC, Energy/GHG	
GB-3	Greater Bakersfield	Improvement District No. 4	CVC Extension Lining	28	\$4,054,000	\$10,000,000	Y	Y	WS, Energy/GHG, Delta	
CK-11	County of Kern	County of Kern	Disadvantaged Community Leak Detection Program	28	\$100,000	\$200,000	N	N	WS, WQ, Energy/GHG, DAC	
KF-13	Kern Fan	Buttonwillow County Water District	Waterline Replacement and Meter Installation Project	22		\$4,000,000	Y	N	WS, WQ, Energy/GHG, DAC	
						Total:				
KF-2	Kern Fan	Kern Water Bank Authority	Kern Water Bank Short-Term Storage Program	32		\$400,000	N	Y	Water Supply, Habitat, Energy/GHG, Delta	
KF-4	Kern Fan	Buena Vista Water Storage District	Conservation Easement Water Acquisition and Management	31	\$500,000	\$1,000,000	Y	Y	Habitat, WS,	
KF-5	Kern Fan	Buena Vista Water Storage District	Groundwater Recharge and Recovery Project	31	\$900,000	\$1,500,000	?	Y	WS, Habitat, Delta, FC	
KR-4	Kern River Valley	Desert Mountain Resources	Eradication of Invasive Weeds in the Kern River Valley and Walker	31	\$50,000	\$65,000	Y	N	Habitat, WS, DAC, FC	
GB-2	Greater Bakersfield	Improvement District No. 4	Beardsley Pipeline	28	\$1,000,000	\$10,500,000	Y	Y	WS, Energy/GHG	
KR-2	Kern River Valley	Tubatulabal Tribal Water Board	Phase II Safe Drinking Water and Tribal Allotments Community	28	\$75,000	\$150,000	N	N	WQ, WS, DAC	Other funding sources better suited for project
SC-7	South County	Arvin-Edison Water Storage District	Forrest Frick Rehabilitation Project	29	\$8,200,000	\$12,300,000		Y	WS, Energy/GHG, OE	
NC-2	North County	City of McFarland	Browning Road Storage Tank and Booster Facility	27	\$1,500,000	\$2,300,000		Y	WS, WQ, OE, DAC	Poso Group proposes to include in their Application
WS-1	Westside	Lost Hills Water District	Regional Brackish Water Treatment Project	27	\$2,000,000	\$42,000,000	Y	Y	WS, WQ, Energy/GHG, Delta	
MF-4	Mountains/Foothills	Bear Valley Community Services	Radio Nuclides Treatment Project	26		\$650,000	N	Y	WS, WQ, Delta	
WS-4	Westside	Lost Hills Utility District	Construction of a New Well to Provide a Firm Water Supply to	25	\$500,000	\$800,000		0	WS, WQ, DAC	Poso Group proposes to include in their Application
WS-5	Westside	Lost Hills Utility District	Storage Tank Rehabilitation to the LHUD 2.0 MG Storage Tank	25		\$900,000		0	OE, DAC	
KR-5	Kern River Valley	County of Kern	Tradewinds Auxiliary Well or Uranium Treatment	22		\$265,000	N	0	WS, WQ, DAC	