

**UPPER KINGS BASIN IRWM AUTHORITY
IRWM IMPLEMENTATION GRANT APPLICATION**

updated 12/6/10

Total Application for \$13,333,333						
Rank Order	Agency	Project	Total Project Cost	Local Cost Share		Grant Amount Requested
1	Consolidated ID	South and Highland Basin Project	\$4,627,000.00	\$400,000.00	8.6%	\$4,227,000.00
2	City of Clovis	Surface Water Treatment Plant Expansion	\$4,250,000.00	\$1,250,000.00	29.4%	\$3,000,000.00
3	County of Fresno	Drummond Jensen Avenue Sewer Connection Study	\$119,090.00	DAC Waiver	n/a	\$119,090.00
4	East Oroshi CSD	Water Well Rehabilitation Project	\$102,600.00	DAC Waiver	n/a	\$102,600.00
5	City of Fresno	Residential Water Meter Project (Area IV)	\$6,815,000.00	\$2,273,000.00	33.4%	\$4,542,000.00
6	Bakman WC	Water Meter Installation Project	\$1,342,643.00	DAC Waiver	n/a	\$1,342,643.00
		Totals =	\$17,256,333.00			\$13,333,333.00
		Total Project Cost (not including DAC Waiver Projects) =	\$15,692,000.00			
		Required Cost Share (25% of non-DAC Waiver Projects) =	\$3,923,000.00	\$3,923,000.00	25.0%	

Intended Prioritized for Reduced Amount of \$6,666,667 to be Noted in Application						
Rank Order	Agency	Project	Total Project Cost	Local Cost Share		Grant Amount Requested
1	Consolidated ID	South and Highland Basin Project	\$3,200,000.00	\$400,000.00	12.5%	\$2,800,000.00
2	City of Clovis	Surface Water Treatment Plant Expansion	\$4,250,000.00	\$1,250,000.00	29.4%	\$3,000,000.00
3	County of Fresno	Drummond Jensen Avenue Sewer Connection Study	\$119,090.00	DAC Waiver	n/a	\$119,090.00
4	East Oroshi CSD	Water Well Rehabilitation Project	\$102,600.00	DAC Waiver	n/a	\$102,600.00
5	City of Fresno	Residential Water Meter Project (Area IV)	\$6,815,000.00	\$6,170,023.00	90.5%	\$644,977.00
		Totals =	\$14,486,690.00			\$6,666,667.00
		Total Project Cost (not including DAC Waiver Projects) =	\$14,265,000.00			
		Required Cost Share (25% of non-DAC Waiver Projects) =	\$3,566,250.00	\$7,820,023.00	54.8%	

Consolidated Irrigation District || South and Highland Basin Project

In an attempt to reduce the demand on pumped groundwater within the Consolidated Irrigation District (CID), CID is pursuing the development of a groundwater banking project located approximately two miles east of the City of Fowler. CID currently has rights to obtain Kings River floodwater and Fisheries Agreement Schedule C flows during the fall and winter months.

However, with generally no irrigation demand during this time period, CID is not able to utilize these water sources, and most of this water continues past CID's main headworks along the Kings River.

The 75-acre recharge and banking facility would provide CID the ability to bank this water during the fall and winter months, and later extract the water using recovery wells during the irrigation season. The project will create an average annual water supply of approximately 2.500 AG, and be able to bank an average of approximately 3.200 AF of water each year that will be bade available to market. A monitoring program will be established to manage the project and monitor groundwater conditions in the vicinity.

This project is included in the existing Upper Kings Basin IRWMP, and ranked as one of the higher priority projects under the Proposition 50 Round 2 project vetting process.

City of Clovis || Surface Water Treatment Plant Expansion

The City of Clovis existing Surface Water Treatment Plant Expansion (Expansion) project will increase the treatment capacity of the Plant by approximately 7,711 AF annually. The City of Clovis Existing Surface Water Treatment Plant (Plant) is located at Bullard Avenue & Leonard Avenue in Clovis. The existing Plant has a current treatment capacity of 15,376 AF per year. The Plant was designed with the knowledge that as the City grew and the reliability of the groundwater wells declined, an expansion would be necessary.

The proposed Expansion would be installed on the same site as the existing Plant and would allow for an added treatment capacity of 8 MGD. The Expansion will include additional membrane filtration racks, filtration equipment, and expansion of the existing solids handling location. The added capacity provided by the Expansion would allow the City to reduce their dependence on groundwater wells. Reduced pumping would benefit the local groundwater basin through an "in-lieu" recharge to aid the reduction of overdraft and help stabilize the groundwater table in the area.

This project is included in the existing Upper Kings Basin IRWMP, and ranked as one of the higher priority projects under the Proposition 50 Round 2 project vetting process.

County of Fresno || Drummond Jensen Avenue Sewer Connection Study

The proposed project serves a critical water supply and water quality need of a Disadvantaged Community. With assistance from its partner, Self-Help Enterprises, County of Fresno's proposed project will ultimately provide sanitary sewer service to 28 properties that currently rely on generally failing septic systems in the Drummond Jensen Avenue unincorporated area adjacent to the City of Fresno. The proposed project, at this stage, is a Feasibility Study which includes preliminary engineering, environmental work, preliminary surveying and design of the wastewater collection system extension from the City of Fresno to the Drummond Jensen Avenue neighborhood. Connection of these residences to the City's sewer system will ultimately allow them to discontinue the use of failing septic tanks and their continued contribution of excessive nitrates to area groundwater, which is also used by the City of Fresno and neighboring communities.

East Orosi Community Services District || Water Well Rehabilitation Project

The proposed project serves a critical water supply and water quality need of a Disadvantaged Community. With assistance from its partner, Self-Help Enterprises, East Orosi CSD's proposed project Feasibility Study would evaluate options and locations for at least one test well in the Orosi area to determine quantity and quality of water from various aquifers. The project includes a test well being constructed to determine site feasibility. If successful, a production well would

be designed to tie this well into the Orosi PUD water system, creating an intertie between Orosi and East Orosi. An environmental assessment would be completed to evaluate potential impacts of the proposed new well project.

City of Fresno || Residential Water Meter Project (Area IV)

The City of Fresno is seeking funding assistance with installation of 10,000 of the planned 110,000 residential water meters which are required by law to be installed by January 1, 2013. To meet that deadline, the overall project has been sectioned into eleven (11) contract areas throughout the City. The work covered by this funding request is for Area IV and will help the City move forward to complete the project within the constrictive timeline. Work related to the funding request, and other continuing efforts in work areas throughout the City will include installation of: water meter boxes; water meters; Automatic Meter Reading Devices (AMR's); and initializing citywide system automation within each completed work area.

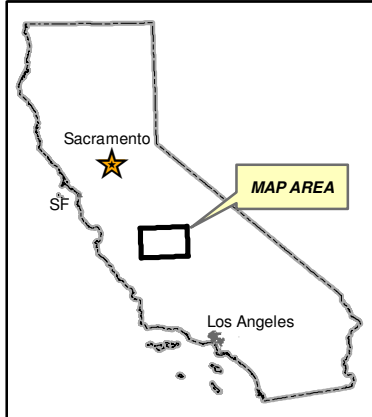
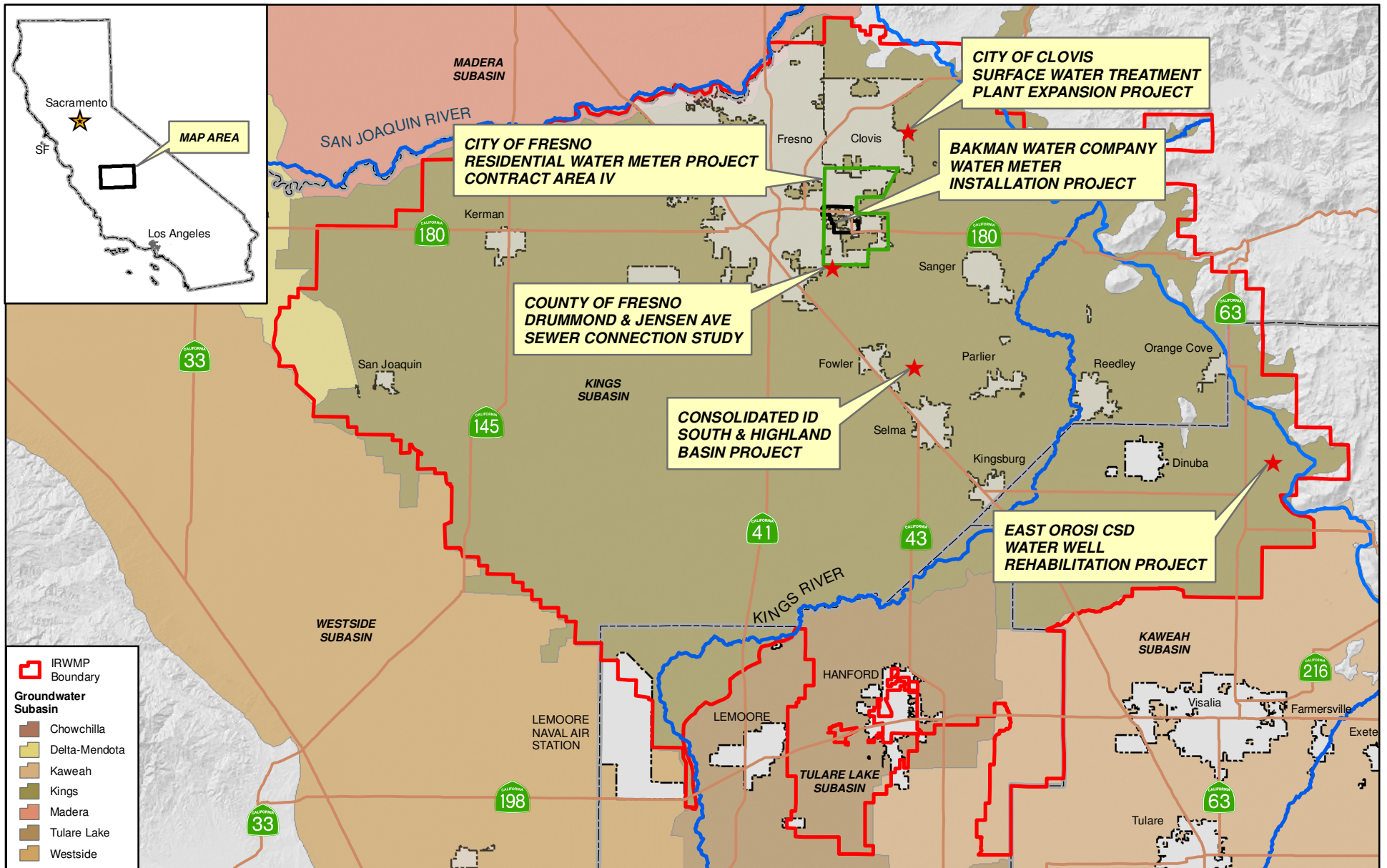
The project under this funding request will help save a minimum of 10% of current residential water usage (1,008 AF per year), reduce groundwater overdraft, support local and regional water supplies and reliability through conservation, and improve the water management system through measurement automation.

Bakman Water Company || Water Meter Installation Project *(included only in \$13M option)*

The proposed project serves a critical water supply and water quality need of a Disadvantaged Community. Bakman Water Co. proposes to install water meters at all of its service connections.

Bakman currently serves a permanent population of about 8,500 through 2,137 service connections, including 1,802 residential, 284 commercial, and 51 irrigation connections. All 284 commercial connections are currently metered. Current average water consumption for Bakman is approximately 4,200 AF per year.

The project will include installation of water meters at all service connections within the service area, including the 51 irrigation connections and 1,802 residential connections, plus an additional 600 connections associated with individual apartments and mobile homes. This project is expected to reduce water consumption by about 15%. The project will also aid in slowing the movement of nearby groundwater contamination plumes.



IRWMP Boundary

Groundwater Subbasin

- Chowchilla
- Delta-Mendota
- Kaweah
- Kings
- Madera
- Tulare Lake
- Westside

0 4 8 Miles

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**Upper Kings Basin
 IRWMP Authority**

Project Locations Map