

Proposal Full View

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APPLICANT INFORMATION

Organization Name *	Northeastern San Joaquin County Groundwater Banking Authority			
Tax ID	999999944			
Point Of Contact *	Division/Address List:	Stockton		
	Address1:	PO Box 1810	Address2:	
	City:	Stockton	State:	CA
	Zip:	95201		
	First Name:	Brandon	Last Name:	Nakagawa
	Email:	bnakagawa@co.san-joaquin.ca.us	Phone (Direct):	2099537460
Point Of Contact Position Title *	Water Resources Coordinator			
Proposal Name *	Eastern San Joaquin Region IRWM Drought Relief Program			
Proposal Objective*	Implement a program of urban and agricultural conservation and reclaimed water projects to provide annual water savings of over 14,000 acre-feet per year to reduce groundwater pumping and stretch available surface water supplies. Projects include municipal conservation programs sponsored by the City of Stockton and California Water Service, and tailwater recovery and on-farm conservation projects sponsored by the South San Joaquin Irrigation District.			

BUDGET

Other Contribution	0
Local Contribution	1937933.67
Federal Contribution	0
Inkind Contribution	0
Amount Requested *	4822666.73
Total Project Cost *	6760600.40

GEOGRAPHIC INFORMATION

Latitude *	DD(+/-): 38	MM: 0	SS: 0
Longitude *	DD(+/-): -121	MM: 5	SS: 59
Longitude/Latitude Clarification	Location		Rural San Joaquin County just east of the city of Stockton
County*	San Joaquin		
Ground Water Basin	San Joaquin Valley-Eastern San Joaquin		
Hydrologic Region	San Joaquin		
Watershed	North Valley Floor (6531), San Joaquin Delta (6544), San Joaquin Valley Floor (6535)		

LEGISLATIVE INFORMATION

Assembly District*	12th Assembly District,13th Assembly District,9th Assembly District
Senate District*	12th Senate District,5th Senate District
US Congressional District*	District 10 (CA),District 9 (CA)

Project Information

PROJECT NAME: STOCKTON WATER CONSUMPTION REPORTING AND CUSTOMER ENGAGEMENT WATERSMART SOFTWARE

STOCKTON WATER CONSUMPTION REPORTING AND CUSTOMER ENGAGEMENT WATERSMART SOFTWARE

Implementing Organization	City of Stockton - Municipal Utilities Department
Secondary Implementing Organization	
Proposed Start Date	5/27/2014
Proposed End Date	3/31/2015
Scope Of Work	Purchase and deploy WaterSmart Consumption Reporting and Customer Engagement Software to communicate customers? individual water use and recommend water conservation actions.
Project Description	The City of Stockton is requesting funding for the Water Consumption Reporting and Customer Engagement WaterSmart Software. The proposed software package purchase will cover for 10,000 homes; 25% of the City's residential connections. The software will help implement the residential conservation measures described in the City's 2010 Urban Water Management Plan by providing Home Water Reports to consumers. These reports are personalized reports sent by the City to households every billing period that use social norms-based messaging to persuade customers to engage in water-saving behaviors. Studies of effectiveness of this customer engagement software show average water demand reductions of 5 percent within six months of deployment. Additional results show that households receiving the Reports were 2.3 times more likely to participate in water conservation programs and 6 times more likely to request a home water survey than households not receiving Reports.
Project Objective	This project is to promote water conservation behaviors and obtain 5 percent urban water conservation to provide immediate regional drought relief and drought preparedness, and increase local water supply reliability and the delivery of safe drinking water by reducing demand on the potable water system, and reducing the need for groundwater extractions in a historically overdrafted basin.

PROJECT BENEFITS INFORMATION

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Conservation-Water Demand/Conservation	924	Water Use Reduction
Secondary	Clean Air	212000	GHG Reduction
Secondary	Other	405000	Energy Savings
Tertiary	Water Storage -- Groundwater-Water Quality Improvement	924	Decreased potential for mobilizing connate saline water

BUDGET

Other Contribution	0
Local Contribution	41932.67
Federal Contribution	0
Inkind Contribution	0
Amount Requested*	89855.73
Total Project Cost*	131788.40

GEOGRAPHIC INFORMATION

Latitude *	DD(+/-): 37	MM: 46	SS: 59
Longitude*	DD(+/-) -121	MM: 4	SS: 0

Longitude/Latitude Clarification		Location	City of Stockton
County*	San Joaquin		
Ground Water Basin	San Joaquin Valley-Eastern San Joaquin		
Hydrologic Region	San Joaquin		
Watershed	North Valley Floor (6531)		

LEGISLATIVE INFORMATION

Assembly District*	13th Assembly District
Senate District*	5th Senate District
US Congressional District*	District 9 (CA)

PROJECT NAME: SOUTH SAN JOAQUIN IRRIGATION DISTRICT WEST BASIN WATER REUSE PROJECT

SOUTH SAN JOAQUIN IRRIGATION DISTRICT WEST BASIN WATER REUSE PROJECT

Implementing Organization	South San Joaquin Irrigation District
Secondary Implementing Organization	
Proposed Start Date	10/16/2014
Proposed End Date	12/29/2015
Scope Of Work	Design and construct infrastructure improvements to capture stormwater and tail water flows for farming reuse.
Project Description	The West Basin Water Reuse Project consists of infrastructure improvements to capture stormwater and tail water flows from flood irrigation activities and direct these flows to a 37.5 acre-foot storage reservoir containing a 14,500 gpm capacity pump station. The basin will provide the aquifer with groundwater recharge and the pump station will return 10,000 acre-feet of tail water back into a pressurized irrigation system for water application on 3,000 acres of farmland via drip, micro, and solid state sprinkler systems. Stormwater flows will also be directed to the project's basin for recharge of the groundwater aquifer. The project will supply a pressure irrigation system that reduces water use by 10 inches per acre of irrigated land. The tail water recovery system will reduce farm runoff to rivers and increase groundwater recharge to the aquifer. This project will increase water supply to the pressure irrigation system which reduces private groundwater pumping as growers use more District surface water reducing groundwater basin overdraft and the potential for saline water migration, meeting increased crop water demands, and providing water to lands that would not otherwise received water due to surface water curtailments.
Project Objective	The project objective is to increase the drought resiliency of the SSJID water supply by maximizing the beneficial use of the District's water use in a long term, sustainable manner thereby reducing the risk of not meeting existing drinking water demands and the risk of not meeting existing agricultural water demands, and providing direct groundwater recharge.

PROJECT BENEFITS INFORMATION

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Recycling-Water Supply Enhancement	10000	Capture stormwater and tail water flows for agricultural use
Secondary	Other	2340000	Energy Savings
Tertiary	Clean Air	0	Eliminate diesel pump motors by supplying surface water
Tertiary	Stormwater Flood-Water Quality Improvement	0	Capture stormwater to prevent ag runoff

					to streams
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BUDGET

Other Contribution	0
Local Contribution	1327891
Federal Contribution	0
Inkind Contribution	0
Amount Requested*	3983673
Total Project Cost*	5311564

GEOGRAPHIC INFORMATION

Latitude *	DD(+/-): 37	MM: 43	SS: 7
Longitude*	DD(+/-): -121	MM: 12	SS: 31
Longitude/Latitude Clarification		Location	5 miles south of Manteca CA
County*	San Joaquin		
Ground Water Basin	San Joaquin Valley-Eastern San Joaquin		
Hydrologic Region	San Joaquin		
Watershed	San Joaquin Valley Floor (6535)		

LEGISLATIVE INFORMATION

Assembly District*	12th Assembly District,13th Assembly District
Senate District*	12th Senate District,5th Senate District
US Congressional District*	District 10 (CA)

PROJECT NAME: SOUTH SAN JOAQUIN IRRIGATION DISTRICT ON-FARM WATER CONSERVATION PROGRAM

SOUTH SAN JOAQUIN IRRIGATION DISTRICT ON-FARM WATER CONSERVATION PROGRAM

Implementing Organization	South San Joaquin Irrigation District
Secondary Implementing Organization	
Proposed Start Date	10/16/2014
Proposed End Date	6/29/2016
Scope Of Work	Provides financial incentives to improve existing distribution systems and measure water usage. The program incentivizes use of less water to accomplish the same purpose by encouraging the efficient use of District surface water to meet crop water requirements.
Project Description	SSJID developed the On-Farm Water Conservation Program in 2011 to promote and incentivize on-farm physical improvements, irrigation management practices and water measurement that promote water conservation. This is a successful existing program that lacks only funding for its further implementation. The Project includes conservation measures for the installation of delivery measurement devices for pumps, conversion from flood to sprinkler or drip/ micro irrigation, tailwater recovery systems to prevent runoff, scientific irrigation scheduling, and soil moisture monitoring. The South San Joaquin Irrigation District's system was built in the early 1900s for flood irrigation and has evolved as growers work to conserve water and to improve crop yields with the installation of more efficient irrigation systems and implementation of advanced farming practices. SSJID provides financial incentives to accelerate improvements to the existing distribution system, enhance farm irrigation practices and provide for measurement of water usage while engaging as many growers as possible. The District's urban wholesale customers have been compelled to implement significant water conservation measures. Each acre-foot of water conserved reduces the risk of not meeting existing drinking water demands. Stretching available supplies to irrigate additional lands reduces the risk of not meeting existing agricultural water demands and helps meet increased crop water demands while adapting to surface water curtailments.
	The objective of this project is to incentivize more efficient use of available surface water supplies to

Project Objective reduce private groundwater pumping and reducing groundwater basin overdraft and the potential for saline water migration.

PROJECT BENEFITS INFORMATION

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Conservation-Water Demand/Conservation	3000	Water measurement, conversion from flood irrigation, tailwater recovery, and other
Secondary	Other	1053000	Energy Savings
Tertiary	Water Storage -- Groundwater-Water Quality Improvement	3000	Decreased potential for mobilizing connate saline water

BUDGET

Other Contribution	0
Local Contribution	270000
Federal Contribution	0
Inkind Contribution	0
Amount Requested*	500000
Total Project Cost*	770000

GEOGRAPHIC INFORMATION

Latitude *	DD(+/-): 37	MM: 57	SS: 0
Longitude*	DD(+/-): -121	MM: 17	SS: 59
Longitude/Latitude Clarification	Location		All area of South San Joaquin Irrigation District, in around Manteca CA
County*	San Joaquin		
Ground Water Basin	San Joaquin Valley-Eastern San Joaquin		
Hydrologic Region	San Joaquin		
Watershed	San Joaquin Valley Floor (6535)		

LEGISLATIVE INFORMATION

Assembly District*	12th Assembly District,13th Assembly District
Senate District*	12th Senate District,5th Senate District
US Congressional District*	District 10 (CA)

PROJECT NAME: CALIFORNIA WATER SERVICE CO. COMPREHENSIVE CONSERVATION PROGRAM

CALIFORNIA WATER SERVICE CO. COMPREHENSIVE CONSERVATION PROGRAM

Implementing Organization	California Water Service - Stockton
Secondary Implementing Organization	

Proposed Start Date	1/17/2014
Proposed End Date	3/29/2017
Scope Of Work	Implement a suite of not locally cost-effective residential and non-residential conservation programs to provide immediate drought relief within central Stockton.
Project Description	Cal Water is seeking a grant to fund a combination of residential and non-residential conservation measures, and will provide a high cost match. This funding will enable Cal Water to accelerate the implementation of its 20x2020 compliance plan in order to provide drought relief to customers within the Cal Water Stockton service area. The grant funds will be used to augment the existing water conservation program and allow us to extend to more customers those measures most capable of providing immediate drought relief. The following programs will be funded under this grant request: residential and non-residential high water use audits & customer assistance, large landscape water use reports, large landscape water use audits & customer assistance, residential and non-residential irrigation smart controller rebates, non-residential commercial irrigation system rebates, residential and non-residential turf replacement rebates, residential conservation kit distribution, ultra high-efficiency toilet and urinal rebates, and high-efficiency clothes washer rebates. Approximately 70% of the grant funding and cost match will be directed to programs reducing landscape water uses. Programs funded under this grant are expected to reduce urban water demands in Cal Water's Stockton service district by 414 acre-feet between 2015 and 2021.
Project Objective	Implementing programs to assist implementing conservation programs and measures that are not locally cost-effective to provide immediate regional drought preparedness and increase local water supply reliability and the delivery of safe drinking water by reducing demand on the potable water system, and reducing the need for groundwater extractions in a historically overdrafted basin.

PROJECT BENEFITS INFORMATION

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Conservation-Water Demand/Conservation	28	Water use reduction
Secondary	Clean Air	12800	GHG Reduction
Secondary	Other	24400	Energy Savings
Tertiary	Water Storage -- Groundwater-Water Quality Improvement	28	Decreased potential for mobilizing connate saline water

BUDGET

Other Contribution	0
Local Contribution	298110
Federal Contribution	0
Inkind Contribution	0
Amount Requested*	249138
Total Project Cost*	547248

GEOGRAPHIC INFORMATION

Latitude *	DD(+/-): 37	MM: 46	SS: 59
Longitude*	DD(+/-): -121	MM: 4	SS: 0
Longitude/Latitude Clarification	Location		Central Stockton, CA
County*	San Joaquin		
Ground Water Basin	San Joaquin Valley-Eastern San Joaquin		

Hydrologic Region	San Joaquin
Watershed	North Valley Floor (6531)

LEGISLATIVE INFORMATION

Assembly District*	13th Assembly District
Senate District*	5th Senate District
US Congressional District*	District 9 (CA)

Section : Applicant Information and Questions Tab

APPLICANT INFORMATION AND QUESTIONS TAB

Q1. Project Representative

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

Thomas Gau, Director of Public Works, San Joaquin County 1810 E. Hazelton Ave., Stockton CA 95201 (209) 468-3100 tagu@sjgov.org

Q2. Project Manager

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

Brandon Nakagawa, San Joaquin County Water Resources Coordinator 1810 E. Hazelton Ave., Stockton CA 95201 (209) 953-7460
bnakagawa@sjgov.org

Q3. Funding Area Information

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

San Joaquin Funding Area

Q4. DAC Waiver Cost Share Request

Are you applying for a DAC cost share waiver? If yes, fill out Attachment 8.

- a) Yes
- b) No

Q5. Responsible Regional Water Quality Control Board(s) (RWQCB):

List the name of the RWQCB in which your Proposal is located. For a region that extends beyond one RWQCB boundary, list the name of each Board.

Central Valley RWQCB

Q6. Eligibility

The Implementation Grant Program requires a minimum funding match of 25% of total project cost unless there is a DAC project included in the proposal. Are your matching funds less than 25%? If so, please explain.

Matching funds will exceed 25%.

Q7. Eligibility

Does the application represent an IRWM Region approved in the RAP? To verify, see RAP website:

<http://www.water.ca.gov/irwm/grants/rap.cfm>.

- a) Yes
- b) No

If yes, include the name of the IRWM Region. If no, please explain.

This project is being submitted by the Eastern San Joaquin County Integrated Regional Water Management Region, which has been approved in the 2009 RAP.

Section : Application Attachments Tab

Application Attachments Tab

Attachment 1: Authorization and Eligibility Requirements

Upload "Authorizing" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_1of14.pdf

Upload "Eligible Applicant" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_5of14.pdf

Upload "Acknowledgement Form – Submittal of Additional Information" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_6of14.pdf

Upload "Adopted IRWM Plan and Proof of Formal Adoption" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_7of14.pdf,Att1_DG_Eligible_2of14.pdf

Upload "Project and Consistency with an adopted IRWM Plan" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_8of14.pdf

Upload "Urban Water Management Compliance" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_9of14.pdf

Upload "Agricultural Water Management Compliance" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_10of14.pdf

Upload "Surface Water Diverter Compliance" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_11of14.pdf

Upload "Groundwater Management Compliance" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_12of14.pdf,Att1_DG_Eligible_3of14.pdf

Upload "CASGEM Compliance" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_13of14.pdf,Att1_DG_Eligible_4of14.zip

Upload "Water Conservation Programs and Measures" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att1_DG_Eligible_14of14.pdf

Attachment 2: Drought Impact

Upload "Drought Impact" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att2_DG_Impact_1of2.pdf,Att2_DG_Impact_2of2.pdf

Attachment 3: Project Justification

Upload "Project Justification" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments:

Att3_DG_ProJust_1of8.pdf,Att3_DG_ProJust_2of8.pdf,Att3_DG_ProJust_3of8.pdf,Att3_DG_ProJust_4of8.pdf,Att3_DG_ProJust_5of8.pdf

Attachment 4: Work Summary

Upload "Work Summary" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments:

Att4_DG_WorkSummary_1of1.pdf,Att3_DG_ProJust_6of8.pdf,Att3_DG_ProJust_7of8.pdf,Att3_DG_ProJust_8of8.pdf

Attachment 5: Budget Summary

Upload "Budget Summary" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att5_DG_Budget_1of1.pdf

Attachment 6: Schedule

Upload "Schedule" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att6_DG_Schedule_1of1.pdf

Attachment 7: Program Preferences

Upload "Program Preferences" documentation here. This attachment is mandatory.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att7_DG_Preference_1of1.pdf

Attachment 8: Disadvantaged Community Assistance

Upload "Disadvantaged Community Assistance" documentation here. This attachment is optional.

Ensure file name is consistent with Section V of the 2014 IRWM Drought Grant PSP.

Last Uploaded Attachments: Att8_DG_DAC_1of1.pdf