

### Proposal Full View

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**Applicant Information**

Organization Name Consolidated Irrigation District \* \*  
 Tax ID 999999981  
 Proposal Name Groundwater Monitoring Improvement Project \*  
 Proposal Objective The proposed project includes the construction of a combination of 12 shallow and deep groundwater monitoring wells to improve groundwater monitoring capabilities within CID. Many of the District's existing groundwater monitoring wells are very old and damaged or destroyed so that they are not usable for groundwater monitoring. The construction of new wells as part of the proposed project would replace many of these damaged or destroyed monitoring wells. For each new well, water quality will be sampled for baseline measurements. The hydrogeology and stratigraphy will be characterized using geologic logs from the well drilling and water quality results. The public will be involved through informational public meetings. The project is critically needed to fill gaps in the District-wide monitoring network and improve the capabilities of managing groundwater resources in a region experiencing groundwater overdraft. \*

**Budget**

Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$248,295.00 *
Total Project Cost	\$248,295.00 *

**Geographic Information**

Latitude \* DD(+/-)  MM  SS   
 Longitude \* DD(+/-)  MM  SS   
 Longitude/Latitude Clarification Coordinates for center of Consolidated Irrigation District. Project consists of replacement monitoring wells throughout the District. Location Near center of Consolidated Irrigation District, just north of Selma, CA  
 County Fresno,Tulare,Kings \*  
 Ground Water Basin San Joaquin Valley-Kings  
 Hydrologic Region Tulare Lake  
 Watershed 109 7551 South Valley Floor

**Legislative Information**

Assembly District 30th Assembly District,31st Assembly District \*  
 Senate District 14th Senate District,16th Senate District \*  
 US Congressional District District 20 (CA),District 21 (CA) \*

**Project Information**

Project Name	Groundwater Monitoring Improvement Project
Implementing Organization	Consolidated Irrigation District
Secondary Implementing Organization	
Proposed Start Date	4/1/2013
Proposed End Date	11/28/2014
Project Scope	Construct 12 groundwater monitoring wells: public outreach, well design, construction, testing, and reporting.
Project Description	The proposed project includes the construction of a combination of 12 shallow and deep groundwater monitoring wells to improve groundwater monitoring capabilities within CID. Many of the District's existing groundwater monitoring wells are very old and damaged or destroyed so that they are not usable for groundwater monitoring. The construction of new wells as part of the proposed project would replace many of these damaged or destroyed monitoring wells. For each new well, water quality will be sampled for baseline measurements. The hydrogeology and stratigraphy will be characterized using geologic logs from the well drilling and water quality results. The public will be involved through informational public meetings.

Project Objective

1) Replace old and damaged monitoring wells; 2) Improve capabilities to develop groundwater contour maps, and estimate groundwater gradients, groundwater overdraft and safe yield; 3) Improve capabilities to monitor effects of groundwater recharge and other overdraft mitigation measures; 4) Improve understanding of the local hydrogeology through data provided in well logs and water quality test results.

**Project Benefits Information**

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Groundwater Management-Monitoring wells installed	12	Project's 12 new monitoring wells would provide new groundwater level data for the region for long-term monitoring and reporting
Secondary	Groundwater Management-Groundwater quality samples taken	12	Project would provide baseline groundwater quality samples at the 12 new monitoring wells for regional groundwater quality monitoring and reporting
Secondary	Groundwater Management-Water level measurements taken	12	Project would include baseline groundwater level measurements at the 12 new wells, and will continue to provide long-term water level measurement capability for regional groundwater monitoring and management
Tertiary	Groundwater Management-Geophysical tests performed	12	Project would provide improved understanding of the local hydrogeology through data provided in well logs and water quality test results from the 12 new wells

Project Objective

**Budget**

Other Contribution	0
Local Contribution	0
Federal Contribution	0
Inkind Contribution	0
Amount Requested	248295
Total Project Cost	248295

**Geographic Information**

Latitude DD(+/-)	36	MM 36	SS 22
Longitude DD(+/-)	-119	MM 39	SS 47

Longitude/Latitude Clarification Coordinates for center of Consolidated Irrigation District. Project

Location Near center of Consolidate

County Fresno,Tulare,Kings Ground Water Basin San Joaquin Valley-Kings Hydrologic Region Tulare Lake WaterShed  
109 7551 South Valley Floor

**Legislative Information**

Assembly District	30th Assembly District,31st Assembly District
Senate District	14th Senate District,16th Senate District
US Congressional District	District 20 (CA),District 21 (CA)

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

APPLICANT INFORMATION AND QUESTION'S TAB

**Q1. Applicant Information**

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

Consolidated Irrigation District 2255 Chandler Street P.O. Box 209 Selma, CA 93662

**Q2. Proposal Description:**

Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.

The proposed project includes the construction of a combination of 12 shallow and deep groundwater monitoring wells to improve groundwater monitoring capabilities within CID. There are 82 monitoring wells located within the CID boundary which are currently used, or have been used in the past, by the District. The wells are evenly

dispersed and generally arranged on a 2 mile grid system throughout the District. Over time, some of the wells are gone dry due to falling groundwater levels, and some have been damaged at the ground surface. The majority of the original wells have casing diameters ranging between 1/2 and 1 1/2 inches and readings can only be taken with a tape measure. During the past 15 to 20 years, the District has replaced approximately half of the monitoring wells within CID with larger diameter wells that facilitate easier monitoring measurements. The construction of new wells as part of the proposed project would replace many of the remaining damaged or destroyed monitoring wells. For each new well, water quality will be sampled for baseline measurements. The hydrogeology and stratigraphy will be characterized using geologic logs and water quality results. The public will be involved through informational public meetings. The project is critically needed to fill gaps in the District-wide monitoring network and improve the capabilities of managing groundwater resources in a region experiencing groundwater overdraft. One of the primary BMOs in the GWMP is the reduce groundwater overdraft, which is a critical issue within CID and the region as a whole. Water users within CID are reliant upon groundwater pumping to supplement CID's limited surface water supply. Surface water supplies are typically available to CID growers for only 1 to 3 months per year. As a result, CID must manage groundwater supplies through the conjunctive use surface and groundwater supplies and through its extensive network of groundwater recharge ponds. To effectively manage its conjunctive use program, CID must be able to monitor groundwater levels throughout the district to make water management decisions and review its groundwater recharge program. The project included in this Proposal would improve CID's groundwater monitoring capability and enhance its conjunctive use program.

### Q3. 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.**

Phillip Desatoff General Manager Consolidated Irrigation District 2255 Chandler Street P.O. Box 209 Selma, CA 93662 Phone: (559)896-1660 Email: pdesatoff@cidwater.com

### Q4. Project Manager:

**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.**

Phillip Desatoff General Manager Consolidated Irrigation District 2255 Chandler Street P.O. Box 209 Selma, CA 93662 Phone: (559)896-1660 Email: pdesatoff@cidwater.com

### Q5. Additional Information:

**Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:**

[http://www.water.ca.gov/groundwater/groundwater\\_basics/gw\\_contacts\\_info.cfm](http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm)

- 1)  Northern Region
- 2)  North Central Region
- 3)  South Central Region
- 4)  Southern Region

### Q6. Additional Information:

**Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.**

Adopted April 8, 2009 (motioned during CID Board meeting to adopt the GWMP). CID has the authority to manage the groundwater resources within its service area through California Water Code, Division 6, Part 2.75 (Sections 10750 et seq.).

### Q7. Additional Information:

**Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).**

A) To develop CID's GWMP, there are cooperative agreements with local agencies in the region to be participatory agencies in developing, contributing to, and commenting on CID's GWMP: 1) MOU between CID and California Water Service Company, 2) MOU between CID and City of Kingsburg, 3) MOU between CID and City of Sanger, 4) MOU between CID and City of Parlier. B) Upper Kings Basin Integrated Regional Water Management Joint Powers Agreement: Purpose is for stakeholders in the IRWM region to 1) engage in IRWMP planning and related activities for the benefit of water users participating in the JPA; 2) Coordinate, manage, maintain, modify, amend, and implement the IRWMP; 3) participate in water management projects consistent with the IRWMP; and 4) engage in such other related activities that are incidental, necessary, and convenient to the mutual benefit and interest of JPA members. Interested parties (members) include water users in the Upper Kings Basin, including cities and irrigation districts. C) Upper Kings Basin Integrated Regional Water Management Plan: One of the primary goals of the Upper Kings IRWMP is to reduce overdraft through conjunctive use and groundwater management using both structural projects (direct/in-lieu recharge) and non-structure management measures (monitoring; integration of land use and water supply plans; adaptive management; etc.). As one of the larger stakeholders within the Authority, CID integrates the components from Integrated Regional Water Management Plan into its own Groundwater Management Plan.

### Q8. Additional Information

**Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".**

No other contributions

### Q9. Eligibility:

**List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.**

None

### Q10. Eligibility:

**Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.**

NA

**Q11. Completeness Check:**

Have all of the fields in the application been completed?

Yes

**Q.11. Completeness Check (cont)**

If no, please explain. If yes, answer this question with "NA".

NA

**Section : Application Attachments Tab**

## APPLICATION ATTACHMENTS TAB

**Attachment 1. Authorizing Documentation**

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 01\_LGA12\_CID\_AuthDoc\_1of1.pdf

**Attachment 2. Eligible Applicant Documentation**

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 02\_LGA12\_CID\_EligDoc\_1of1.pdf

**Attachment 3. Status of GWMP**

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 03\_LGA12\_CID\_GWMP\_1of1.pdf

**Attachment 4. Project Description**

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 04\_LGA12\_CID\_ProjD\_1of1.pdf

**Attachment 5. Work Plan**

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 05\_LGA12\_CID\_WrkPln\_1of1.pdf

**Attachment 6. Budget**

Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 06\_LGA12\_CID\_BUDGET\_1of1.pdf

**Attachment 7. Schedule**

Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 07\_LGA12\_CID\_SCHED\_1of1.pdf

**Attachment 8. Quality Assurance**

Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 08\_LGA12\_CID\_QA\_1of1.pdf

**Attachment 9. Past Performance**

Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 09\_LGA12\_CID\_PERFORM\_1of1.pdf

**Attachment 10. AB1420 and Water Meter Implementation Compliance**

Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: 10\_LGA12\_CID\_1420\_1of1.pdf