

Proposal Full View

Applicant Information

Organization Name City of Roseville *
 Tax ID **946000409**
 Proposal Name **Western Placer County Groundwater Recharge Mapping and Water Quality Protection Program ***
 Proposal Objective **Provide geologic, groundwater level, and water quality information to develop feasible groundwater management actions in Western Placer County. Seek funding to expand the existing groundwater monitoring network to assess where recharge occurs, groundwater/surface water interactions along four creeks, and refine the extent of fresh water/brackish water and how it affects water quality in the production aquifers. Provide critical information on groundwater inflow and outflow areas. The information gained will be used to assess the potential for augmenting groundwater recharge, protecting habitat, and preventing degradation of water quality by pumping. ***

Budget

Other Contribution	\$0.00
Local Contribution	\$48,504.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$250,000.00 *
Total Project Cost	\$298,504.00 *

Geographic Information

Latitude * DD(+/-) MM SS
 Longitude * DD(+/-) MM SS
 Longitude/Latitude Clarification **WPCGWMP Area. Northern Extent: 39deg 1min 21sec. Southern Extent: 38deg 43min 6sec. Western Extent: - 121deg 29min 4sec. Eastern Extent: - 121deg 13min 29sec** Location **Western Placer County, CA**
 County **Placer ***
 Ground Water Basin **Sacramento Valley-North American**
 Hydrologic Region **Sacramento River**
 Watershed **Valley-American**

Legislative Information

Assembly District **4th Assembly District,5th Assembly District ***
 Senate District **1st Senate District,4th Senate District ***
 US Congressional District **District 4 (CA) ***

Project Information

Project Name	Western Placer County Groundwater Recharge I
Implementing Organization	City of Roseville
Secondary Implementing Organization	City of Lincoln, Placer County Water Agency, California American Water
Proposed Start Date	4/1/2013
Proposed End Date	1/31/2015
Project Scope	This project involves the construction of monitoring wells at four locations to monitor ten discrete depth intervals. These wells will be used to monitor groundwater levels and quality as part of a monitoring network designed to define interactions between surface and groundwater; recharge areas; and interactions between deeper, brackish aquifers and shallow, fresh aquifers. This information will be used to develop management actions to preserve and enhance groundwater quality and quantity.
Project Description	In order to achieve the goal of the Western Placer County (WPC) Groundwater Management Plan (WPCGWMP) to "maintain the quality and ensure the long-term availability of groundwater to meet backup, emergency, and peak demands without adversely affecting other groundwater uses within the WPCGWMP area", the WPC Partners are seeking funding to install six monitoring wells at four locations. The wells will be single- to triple-completion nested monitoring wells that will monitor a total of 10 discrete depth intervals. These wells are strategically located based on previous investigations to help define and confirm groundwater recharge areas to the

	basin on segments of four creeks. The wells will also be used to assess whether the mixing or upwelling of brackish water in the deeper Ione Formation may be degrading the quality of water in the Laguna and Mehrten Formations, the primary drinking water aquifers. Water level monitoring will contribute to the data collection efforts of CASGEM. The wells will provide information to define the base of fresh water and the boundary conditions of the basin, and help manage groundwater to protect the quality of water in the production aquifers.
Project Objective	The primary objectives of this proposal are to define recharge areas in WPC and identify the potential for groundwater recharge, provide information about surface water/groundwater interactions to protect stream flows in salmon habitat, and define the base of fresh water and prevent upwelling of brackish water from deeper formations. The secondary objectives are to further refine subsurface inflow to and outflow from the basin.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage -- Groundwater-Recharge area developed	12000	Groundwater Recharge Alternatives
Primary	Water Storage -- Groundwater-Other	100000	Water Storage Potential

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="48504"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="0"/>
Amount Requested	<input type="text" value="250000"/>
Total Project Cost	<input type="text" value="298504"/>

Geographic Information

Latitude DD(+/-) MM SS
 Longitude DD(+/-) MM SS
 Longitude/Latitude Clarification
 County Placer Ground Water Basin Sacramento Valley-North American Hydrologic Region Sacramento River WaterShed Valley-American

Legislative Information

Assembly District	4th Assembly District,5th Assembly District
Senate District	1st Senate District,4th Senate District
US Congressional District	District 4 (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.
 City of Roseville, 2005 Hilltop Circle, Roseville, CA 95747

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.

Among the issues that Western Placer County (WPC) is facing are lowering of groundwater levels in the southwest portion of the basin, increasing demand in the area, and increasing TDS level trends in some wells suggesting the intrusion of brackish water into fresh water aquifers. These issues need to be addressed to protect this valuable resource. This project strives to offer solutions to these problems by providing valuable new information about the subsurface conditions that will aid in future management decisions. A regional, multi-agency partnership developed the Western Placer County Groundwater Management Plan (WPCGWMP) which was conceived and prepared to provide a regional approach to maintain the quality and ensure the long-term availability of groundwater to meet backup, emergency, and peak demands without adversely affecting other groundwater uses within the WPC portion of the North American River Groundwater Subbasin. The five basin management objectives (BMOs), described in Section 3.3 of the WPCGWMP, include the following: BMO#1. Management of the groundwater basin shall not have a significant adverse effect on groundwater quality. BMO#2. Manage groundwater elevations to ensure an adequate groundwater supply for backup, emergency, and peak demands without adversely impacting adjacent areas. BMO#3. Participate in State and Federal land surface subsidence monitoring programs. BMO#4. Protect against adverse impacts to surface water flows in creeks and rivers due to groundwater pumping. BMO#5. Ensure groundwater recharge projects comply with State and Federal regulations and protect beneficial uses of groundwater. The WPCGWMP in 2007 identified that much of the WPC area did not have wells suitable to track groundwater levels and water quality for managing the resource. Additional wells have been constructed, but gaps still exist, some in critical areas (recharge inflow and outflow areas). This proposed

project would construct single- to triple-multi-level groundwater monitoring wells with 10 discrete depth intervals at 4 different locations to supplement the current network. These new monitoring wells would support the goal of the WPCGWMP by: 1. Providing monitoring points to track water quality and manage pumping to prevent brackish water intrusion (BMO#1). 2. Providing data that will help in identifying groundwater recharge areas and potential artificial recharge alternatives (BMO#2 and #5). 3. Improving our understanding of the aquifer relationships toward the west (BMO#2). 4. Understanding the groundwater/surface water interactions in local creeks (BMO#4). The findings from this project will be used to develop groundwater management actions including: 1. Identify the groundwater recharge potential in Miners Ravine. 2. Protect salmon habitat in Secret Ravine. 3. Identify whether Dry Creek is a groundwater recharge area. 4. Balance pumping to prevent upwelling of brackish water. 5. Provide a revised base of fresh water map for well permitting agencies. The project will improve groundwater management and understanding of the groundwater basin. The project will benefit municipal, industrial, and agricultural groundwater users within WPC by providing depth-discrete groundwater levels that will allow the WPC Partners to develop specific groundwater management actions. Sacramento County and Sutter County will also receive benefit because groundwater from WPC is a significant source of recharge to aquifers beneath the County.

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.

Mr. Ray Kerridge, City Manager, 311 Vernon Street, Roseville, CA 95678, (916)774-5362, citymanager@roseville.ca.us

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.

Ms. Cathy Lee, Senior Engineer, Environmental Utilities Department, 2005 Hilltop Circle, Roseville, CA 95747, (916)746-1703, clee@roseville.ca.us

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

- 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.

The City of Roseville formally adopted the Western Placer County Groundwater Management Plan (WPCGWMP) on August 1, 2007. Placer County Water Agency formally adopted the WPCGWMP on September 6, 2007. The City of Lincoln formally adopted the WPCGWMP on November 27, 2007. With a December 3, 2007 letter California American Water Company approved and adopted the management principles of the WPCGWMP. These agencies are collectively referred to as the WPC Partners.

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).

The Western Placer County Groundwater Management Partners include the City of Roseville, City of Lincoln, Placer County Water Agency (PCWA), and California American Water Company (Cal Am). The list below shows the collaboration of these agencies and other stakeholders in the basin. In addition to the list below, and far too numerous to list, are the attendance and participation of the City of Roseville and Cal Am in the neighboring Sacramento Groundwater Association and their management activities. WPCGWMP document list showing collaboration: 1. City of Roseville, August 1, 2007. Resolution 07-426, formally adopting Western Placer County Groundwater Management Plan. 2. Placer County Water Agency, September 6, 2007. Resolution 07-25, formally adopting Western Placer County Groundwater Management Plan. 3. City of Lincoln, November 27, 2007. Resolution 2007-198, formally adopting Western Placer County Groundwater Management Plan. 4. California American Water Company, December 3, 2007. Letter adopting the water management principles of the Western Placer County Groundwater Management Plan. 5. WPCGWMP Quarterly Meeting, October 3, 2011 6. WPCGWMP Quarterly Meeting, June 27, 2011 7. WPCGWMP Quarterly Meeting, March 24, 2011 8. WPCGWMP Quarterly Meeting, May 23, 2011, draft Joint Powers Authority circulated 9. WPCGWMP Quarterly Meeting, November 3, 2010 10. WPCGWMP Quarterly Meeting Minutes, March 12, 2012. Included presentation and discussion of a draft Governance Table and a draft Memorandum of Understanding. 11. MWH, March 2012. Well Installation Completion Report Western Placer County AB303 Grant and City of Roseville ASR Well Installation Project. 12. City of Roseville, March 21, 2012. Executed Professional Services Agreement, Years 4 and 5 Implementation with GEI Consultants, Inc. and Resolution No. 12-75. Work funded by GWMP partner agencies. Work to include preparation of a Bi-Annual Status of the Basin report. 13. WPCGWMP Quarterly Meeting Minutes, June 4, 2012. Discussion to approve AB303 grant application. All Partners completed CASGEM monitoring for Spring 2012. Status of water balance and safe yield report to help in the development of groundwater management activities.

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".

The following entities are providing funds to the Project that are reported under the Local Contributions. The funds provided are in labor and property. City of Roseville is providing project management and coordination, grant fund administration, CEQA assessment, properties for construction of the monitoring wells and long term monitoring of groundwater levels and quality. City of Rocklin is providing property for monitoring well construction. Cal Am is providing property for monitoring well construction and long term monitoring of groundwater levels and quality. PCWA and the City of Lincoln are providing for long term monitoring of groundwater levels and quality.

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.

City of Roseville, Ms. Cathy Lee, Senior Engineer, Environmental Utilities Department, 2005 Hilltop Circle, Roseville, CA 95747, (916)746-1703, clee@roseville.ca.us

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.

The City of Roseville has completed and submitted a 2010 UWMP to DWR.

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: Att1_LGA12_WesternPlacerCo_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: Att2_LGA12_WesternPlacerCo_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: Att3_LGA12_WesternPlacerCo_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: Att4_LGA12_WesternPlacerCo_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: Att5_LGA12_WesternPlacerCo_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: Att6_LGA12_WesternPlacerCo_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: Att7_LGA12_WesternPlacerCo_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: Att8_LGA12_WesternPlacerCo_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: Att9_LGA12_WesternPlacerCo_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: Att10_LGA12_WesternPlacerCo_1420_1of1.pdf