

Proposal Full View

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Applicant Information

Organization Name *

Tax ID **942147007**

Proposal Name CLWA's West Saugus Formation
Groundwater Resources
Monitoring Project *

Proposal Objective The objective of the project is to collect subsurface data to define the horizontal and vertical extent of perchlorate contamination in the Saugus Formation that is threatening the use of several deep production wells in the eastern subbasin of the Santa Clara Valley. The project will include a permanent, multi-level monitoring well and will provide geologic, hydraulic, and water quality data for an area near water supply wells that have been impacted by perchlorate. These wells are completed in the Saugus Formation, which is the deeper of two aquifers that are present in the Santa Clarita Valley. Currently, it is unknown whether perchlorate has migrated downgradient of the group of perchlorate-impacted Saugus Formation wells and to what extent, if any, the downgradient wells might be threatened with future contamination. This uncertainty is of heightened concern to the water purveyors in the valley because of the importance of the Saugus Formation aquifer for providing drought-year firming supplies for urban areas in the Santa Clarita Valley. Consequently, conducting the proposed project to meet the data needs objectives specified above will also address and inform a larger CLWA objective of implementing its groundwater management plan and developing long-term solutions for managing the perchlorate plume that is present in the Saugus Formation. Another similar LGA grant application is being submitted by NCWD for a deep Saugus Formation monitoring well. The NCWD monitoring well is located in a different part of the aquifer and is intended to support groundwater monitoring efforts that are necessary to protect NCWD production wells. Both the CLWA and NCWD proposed monitoring wells are necessary and essential. *

Budget

Other Contribution	<input type="text" value="\$0.00"/>
Local Contribution	<input type="text" value="\$378,576.00"/>
Federal Contribution	<input type="text" value="\$0.00"/>
Inkind Contribution	<input type="text" value="\$0.00"/>
Amount Requested	<input type="text" value="\$250,000.00"/> *
Total Project Cost	<input type="text" value="\$628,576.00"/> *

Project Description

permanent, multi-level monitoring well that can be used to monitor for perchlorate presence and/or changes in perchlorate concentrations through time. Currently, it is unknown whether perchlorate has migrated downgradient of the group of perchlorate-impacted Saugus Formation wells and to what extent, if any, that the downgradient wells might be threatened with future contamination. This uncertainty is of heightened concern to the water providers in the valley because of the importance of the Saugus Formation aquifer for providing drought-year firming supplies for urban areas in the Santa Clarita Valley. Additionally, this uncertainty has a bearing on current efforts to design a hydraulic containment system that has the objective of containing the perchlorate plume while restoring groundwater production (with wellhead treatment) at the impacted production wells. Consequently, conducting the proposed project to meet the data needs objectives specified above will also address and inform a larger CLWA objective of implementing its groundwater management plan and developing long-term solutions for managing the perchlorate plume that is present in the Saugus Formation.

Project Objective

The primary objective of the project is to determine the horizontal and vertical extent of perchlorate migration in the northwest portion of the Saugus Formation, a major source of drinking water in the Santa Clarita valley. The permanently installed monitoring well will provide geologic, hydraulic, and water quality data for an area downgradient of water supply wells that have been impacted by perchlorate.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Groundwater Studies	0	Monitoring

Project Objective

Budget

Other Contribution	0
Local Contribution	378576
Federal Contribution	0
Inkind Contribution	0
Amount Requested	250000
Total Project Cost	628576

Geographic Information

Latitude DD(+/-)	34	MM 25	SS 8
Longitude DD(+/-)	118	MM 33	SS 32
Longitude/Latitude Clarification		Location	Upper Santa Clara

County Los Angeles Ground Water Basin Santa Clara River Valley-Santa Clara River Valley East
 Hydrologic Region South Coast WaterShed Upper Santa Clara River Watershed

Legislative Information

Assembly District	38th Assembly District
Senate District	17th Senate District, 19th Senate District
US Congressional District	District 25 (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.

Castaic Lake Water Agency 27234 Bouquet Canyon Road Santa Clarita, CA 91350 Phone: (661) 513-1282 Fax: (661) 297-1611

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 project consists of planning, design, and construction of a deep, multi-level monitoring well. It includes borehole drilling, multi-level monitoring well installation, and groundwater monitoring at a location downgradient of areas of known perchlorate contamination in the Santa Clarita basin's deep aquifer system (the Saugus Formation). Specific activities to occur are: ? Well siting, agency coordination, design of the new monitoring well and selection of a qualified drilling contractor; ?

Drilling and geologic and geophysical logging to identify hydrostratigraphic units at the drilling location; and ? Installing a permanent, multi-level monitoring well that can be used to monitor for perchlorate presence and/or changes in perchlorate concentrations through time. The primary goal of the project is to determine the horizontal and vertical extent of perchlorate migration in the Saugus Formation, a major source of drinking water in the Santa Clarita Valley. The permanently installed monitoring well will provide geologic, hydraulic, and water quality data for an area downgradient of water supply wells that have been impacted by perchlorate. These wells are completed in the Saugus Formation, which is the deeper of two aquifers that are present in the Valley. Currently, it is unknown whether perchlorate has migrated downgradient of the group of perchlorate-impacted Saugus Formation wells and to what extent, if any, that the downgradient wells might be threatened with future contamination. This uncertainty is of heightened concern to the water purveyors in the Valley because of the importance of the Saugus Formation aquifer for providing drought-year firming supplies for urban areas in the Valley. Additionally, this uncertainty has a bearing on current efforts to design a hydraulic containment system that has the objective of containing the perchlorate plume while restoring groundwater production (with wellhead treatment) at the impacted production wells. Consequently, conducting the proposed project to meet the data needs objectives specified above will also address and inform a larger CLWA objective of implementing its groundwater management plan and developing long-term solutions for managing the perchlorate plume that is present in the Saugus Formation. Specifically, conducting this project at a location west and northwest of VWC-201 and VWC-205 will inform groundwater modeling and other hydrogeologic and engineering analyses that are in progress by CLWA. These analyses are evaluating the likely ability of alternative pumping strategies to meet the CLWA's goals of creating a hydraulic containment zone in the Saugus Formation, protecting downgradient impacted wells, and (with wellhead treatment) restoring water supply production capacity at impacted Saugus Formation wells. In meeting this broader objective, the proposed project will further facilitate CLWA's ability to address concerns by state regulatory agencies with which it is working (the county Department of Public Health and the Department of Toxic Substances Control, which is reviewing and overseeing the ongoing voluntary cleanup activities in the area). This project is aligned with CLWA's GWMP and will help accomplish the following objectives of the GWMP: 1. Preserve groundwater quality for beneficial use in the basin, and for beneficial use of surface water and groundwater discharges from the basin. Included in this management goal is the active characterization and solution of any groundwater contamination problems, through cooperation with responsible parties or through independent action. 2. Assess groundwater basin conditions to determine a range of operational yield values to avoid groundwater overdraft and the undesirable effects associated with it. 3. Formalize both a network of wells for groundwater monitoring and a program for water level measurements, water quality sampling, and other pertinent groundwater data collection (Primary GWMP Element 1).

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.

Dan Masnada, General Manager Castaic Lake Water Agency 27234 Bouquet Canyon Road Santa Clarita, CA 91350 Phone: (661) 297-1600 Fax: (661) 297-1611 dmasnada@clwa.org

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.

Santa Clarita, CA 91350 Phone: (661) 513-1282 Fax: (661) 297-1611 leverett@clwa.org

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.

CLWA prepared a groundwater management plan in accordance with the provisions of Water Code Section 10753.7, which was originally enacted by AB 3030, for its wholesale service area, which covers all four retail water purveyors service areas. The Agency adopted the plan on November 13, 2002.

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).

1. Memorandum of Understanding Between Castaic Lake Water Agency, Santa Clarita Water Division of the Castaic Lake Water Agency, Los Angeles Waterworks District No. 36, Newhall County Water District and Valencia Water Company to establish a voluntary cooperative groundwater monitoring association (October 27, 2011)
2. Castaic Lake Water Agency Groundwater Management Plan Santa Clara River Valley Groundwater Basin East Subbasin (Luhdorff & Scalmanini, 2003)
3. 2001 Memorandum of Understanding Between the Santa Clara River Valley Upper Basin Water Purveyors and United Water Conservation District 4. 2009 Groundwater Supplies and Basin Yield Report prepared for the Santa Clarita Valley Municipal Water Purveyors (Luhdorff & Scalmanini, GSI, Inc. 2009)
5. 2010 Santa Clara Valley Urban Water Management Plan (Kennedy/Jenks, et al., 2011)

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.

CLWA is the Applicant and also the Urban Water Supplier that will receive funding from this Local Groundwater Assistance Grant. As such, Self-Certification forms for documenting compliance with CWC §525 for Water Meter Installation and AB 1420 for Best Management Practice implementation are provided (see Attachment 10 of this Application).

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.

CLWA submitted its 2010 UWMP to DWR on July 21, 2011. The Plan included its four local retail water agencies in the Santa Clarita Valley: CLWA's Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), Valencia Water Company (VWC), and Los Angeles County Waterworks District No. 36 (LACWWD #36). The completed plan was also uploaded to the online DOST submittal tool. DWR reviewed the Agency and retailer plans and found that the plans address the requirements of the California Water Code via a letter date January 24, 2012.

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_CLWA_AuthDoc_1of2.pdf,!
Att1_LGA12_CLWA_AuthorizingDocumentation_2of2.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_CLWA_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_CLWA_GWMP_1of2.pdf,
Att3_LGA12_CLWA_GWMP_2of2.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_CLWA_ProjD_2of4.pdf,
Att4_LGA12_CLWA_ProjD_3of4.pdf,!Att4_LGA12_CLWA_ProjD_4of4.pdf,
Att4_LGA12_CLWA_ProjD_1of4.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_CLWA_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_CLWA_BUDGET_1of3.pdf,
Att6_LGA12_CLWA_BUDGET_2of3.pdf,!Att6_LGA12_CLWA_BUDGET_3of3.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_CLWA_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_CLWA_QA_1of1.pdf

Attachemnt 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_CLWA_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_CLWA_1420_1of4.pdf,!

Att10_LGA12_CLWA_1420_2of4.pdf,!Att10_LGA12_CLWA_1420_3of4.pdf,!

Att10_LGA12_CLWA_1420_4of4.pdf
