

Proposal Full View

Applicant Information

Organization Name Napa County *
 Tax ID **94600052**
 Proposal Name Napa County Groundwater/Surface Water Monitoring Facilities to Track Resource Interrelationships and Sustainability *
 Proposal Objective Install/monitor shallow wells; study ground/surface water levels/quality; set climate change baseline; quantify ground/surface water exchanges; append County and CASGEM monitoring; formulate strategies addressing resource challenges/restoration. *

Budget

Other Contribution	\$0.00
Local Contribution	\$10,500.00
Federal Contribution	\$0.00
Inkind Contribution	\$36,100.00
Amount Requested	\$248,948.00 *
Total Project Cost	\$295,548.00 *

Geographic Information

Latitude * DD(+/-) MM SS
 Longitude * DD(+/-) MM SS

Longitude/Latitude Clarification The project involves various sites; the latitude and longitude provided estimate the general project location (Napa Valley). Location The location includes sites along the Napa River or its tributaries. See Attachment #4 for maps.

County Napa *
 Ground Water Basin Napa-Sonoma Valley-Napa Valley, Napa-Sonoma Valley-Sonoma Lowlands
 Hydrologic Region San Francisco Bay
 Watershed 20 2206 San Pablo

Legislative Information

Assembly District 7th Assembly District *
 Senate District 2nd Senate District *
 US Congressional District District 1 (CA) *

Project Information

Project Name Napa County Groundwater/Surface Water Monitoring Facilit

Implementing Organization	County of Napa
Secondary Implementing Organization	
Proposed Start Date	4/1/2013
Proposed End Date	3/31/2015
Project Scope	Installation of up to six groundwater monitoring facilities to study ground/surface water level/quality and interrelationship.
Project Description	The purpose of the proposed project is to install up to six shallow, dual-completion groundwater monitoring facilities adjacent to the Napa River system. The proposed facilities are planned to be located near to existing stream gauging stations and/or near areas where stream monitoring can also be conducted. The proposed groundwater monitoring facilities are also being sited, where possible, adjacent to existing groundwater monitoring facilities (supply wells constructed to greater depths in the aquifer system). The co-location of proposed monitoring wells near monitored surface waterways enables focused data collection regarding groundwater elevations and water quality relative to known surface water data to identify and characterize interactions groundwater and surface water. The goals of the project are to implement targeted groundwater and surface water monitoring to characterize the interrelationship between these water resources in the Napa Valley. This project will gather the data necessary to: 1) assess the response to surface and groundwater utilization and the potential effect of future climate change and 2) ensure water resources sustainability for the natural environment and future generations. The proposed facilities would enable the collection of new data to augment existing monitoring activities and datasets (the County's monitoring program and CASGEM

	program). This information will be valuable in assessing the status of the County's groundwater and surface water resources and will provide for improved forecasting of future supplies and effective management of water resources. The proposed monitoring wells will also fill high priority groundwater data gaps previously identified by Napa County.
Project Objective	Install groundwater monitoring facilities; Monitor groundwater and surface water resources; Collect data to detect changes in groundwater and surface water levels and quality; Establish a baseline to assess future climate change; Identify mechanisms for and quantify exchanges between groundwater and surface water resources; Add new monitoring facilities to countywide monitoring program and CASGEM program; Formulate strategies to meet water resource challenges and surface water restoration.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Groundwater Management-Monitoring wells installed	0	Install/monitor shallow wells; measure groundwater levels/quality; quantify groundwater/surface water exchanges; CASGEM
Secondary	Groundwater Management-Water level measurements taken	0	Measure groundwater levels; quantify groundwater/surface water exchanges; CASGEM
Tertiary	Groundwater Management-Groundwater quality samples taken	0	Measure groundwater quality; quantify groundwater/surface water exchanges
Quaternary	Water and Sediment Quality-Surface water quality samples taken	0	Measure surface water quality; quantify groundwater/surface water exchanges
Quinary	Other-Groundwater Studies	0	Install shallow wells, measure groundwater levels/quality; quantify groundwater/surface water exchanges
Septary	Other-Surface Water Studies	0	Install monitor shallow wells; measure groundwater levels/quality; quantify groundwater/surface water exchanges

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="10500"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="36100"/>
Amount Requested	<input type="text" value="248948"/>
Total Project Cost	<input type="text" value="295548"/>

Geographic Information

Latitude DD(+/-)	<input type="text" value="38"/>	MM	<input type="text" value="25"/>	SS	<input type="text" value="36"/>
Longitude DD(+/-)	<input type="text" value="122"/>	MM	<input type="text" value="22"/>	SS	<input type="text" value="15"/>

Longitude/Latitude Clarification Location

County Napa Ground Water Basin Napa-Sonoma Valley-Napa Valley,Napa-Sonoma Valley-Sonoma Lowlands Hydrologic Region San Francisco Bay WaterShed
 20 2206 San Pablo

Legislative Information

Assembly District	7th Assembly District
Senate District	2nd Senate District
US Congressional District	District 1 (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.

County of Napa Department of Public Works 804 First Street Napa, CA 94559

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 purpose of the proposed project is to install up to six shallow, dual-completion groundwater monitoring facilities adjacent to the Napa River system. The proposed facilities are planned to be located near to existing stream gauging stations and/or near areas where stream monitoring can also be conducted. The proposed groundwater monitoring facilities are also being sited, where possible, adjacent to existing groundwater monitoring facilities (i.e., typically water supply wells constructed to greater depths in the aquifer system). The proposed monitoring wells will enable focused data collection regarding groundwater elevations and water quality to identify and characterize interactions with surface water. (see Attachment 4 ?Project Description and related document for additional details) The goals of the proposed project are to implement groundwater and surface water monitoring to characterize the interrelationship between these water resources in the Napa Valley. This project will gather the data necessary to: 1) assess the response to surface and groundwater utilization and the potential effect of future climate change and 2) ensure water resources sustainability for the natural environment and future generations. The proposed facilities would enable the collection of new data to augment existing monitoring activities and datasets. This information will be valuable in assessing the status of the County's groundwater and surface water resources and will provide for improved forecasting of future supplies and effective management of water resources. The proposed monitoring wells will also fill high priority groundwater data gaps previously identified by Napa County. The objectives of the proposed project emphasize the collection of data necessary to evaluate relationships between groundwater and surface water resources. Specifically, the project objectives include: the installation and monitoring of shallow wells; the study of groundwater/surface water levels and quality; the establishment of a climate change baseline; the quantification of groundwater/surface water exchanges; appending of the County's county-wide and CASGEM monitoring; and the formulation of strategies addressing water resource challenges/restoration. The overarching goal of Napa County's Groundwater Ordinance/GWMP-Equivalent program is to maximize the long-term beneficial use of the county's groundwater resources, while enhancing environmental quality, and protecting the public health, safety, and welfare of the citizens of Napa County. Other goals imbedded in the Groundwater Ordinance are for the County of Napa to govern the management and extraction of the resource. The objectives of the project are strongly aligned with those of the GWMP-Equivalent; specifically the collection of data that will 1) help identify mechanisms for and quantify exchanges of water between the river channel and the underlying groundwater system, including the response of the system to utilization of the County's surface and groundwater resources, and 2) establish baseline conditions that will facilitate assessment of the potential effects due to future climate change. It is further anticipated that Napa County's CASGEM program (developed in accordance with Water Code Section 10920 et seq.) will benefit by the incorporation of the proposed facilities, as they represent an important part of the stream/ groundwater system and enhance the State's evaluation of long-term and seasonal trends within Napa 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.

Steven Lederer Director of Public Works, Napa County 1195 Third Street, Ste. 201, Napa, CA 94559 steven.lederer@countyofnapa.org (707)253-4471

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.

Jeff Sharp Principal Planner 804 First Street, Napa, CA 94559 jeff.sharp@countyofnapa.org (707)259-5936

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.

Napa County has a Groundwater Conservation Ordinance that fulfills the role of an alternative GWMP-equivalent program as described in the LGA application guidelines. Although not a formal GWMP adopted under Water Code Section 10750 and 10753 et seq., the County's Groundwater Conservation Ordinance (first approved August 2, 1999, and most recently amended August 7, 2007) regulates the extraction and use of groundwater resources in the County and prohibits extraction for wasteful or non beneficial use, and promotes groundwater conservation and the use of Best Management Practices. The goal of the ordinance is to maximize the long-term beneficial use of groundwater resources, while enhancing environmental quality, and protecting the public health, safety, and welfare of the citizens of Napa County. The Ordinance also includes responsibility for governing the management and extraction within the County jurisdiction (see Att#3_LGA12_NapaCnty_GWMP_2of5).

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).

Napa County intends to collaborate with other local public agencies and conduct outreach to interested public and stakeholders throughout the project. A few of the agencies, community boards and advisory panels utilized are listed and/or discussed below, and include: ? Napa County Flood Control and Water Conservation District (see Att#2_LGA12_NapaCnty_EligDoc_2of3) for monitoring site access, facilities installation and data collection. ? City of St. Helena (see letter of support, Att#4_LGA12_NapaCnty_ProjD_2of3) for monitor site access. ? Napa County Resource Conservation District (see Att#2_LGA12_NapaCnty_EligDoc_3of3) for equipment installation support, and surface water data collection. ? Center for Collaborative Policy (see DWR/CCP Agreement, Att#4_LGA12_NapaCnty_ProjD_3of3) for the preparation of a countywide groundwater Outreach and Education Plan (see Att#5_LGA12_NapaCnty_WrkPln_2of2) to facilitate information sharing and education about the county's groundwater resources. ? The Watershed Information Center and Conservancy (WICC - <http://www.napawatersheds.org>) Board of Napa County, (established under County Resolution 02-103) whose mission, vision and guiding principles are highly aligned with these essential outreach components, as an

integral part of the public outreach planning process and hosting of annual joint meetings of the WICC Board and the Napa County Groundwater Resources Advisory Committee (GRAC). ? The Napa County Groundwater Resources Advisory Committee (GRAC - <http://www.countyofnapa.org/bos/grac/>) to play a key role in the successful implementation of the County?s Comprehensive Groundwater Monitoring Program, including actions to implement the recommendations made as part of this project. The 15-member committee appointed by the County Board of Supervisors represents a broad spectrum of stakeholders both geographic and interest based. (see Att#3_LGA12_NapaCnty_GWMP_4of5) ? Napa County service as the Monitoring Entity for the California Statewide Groundwater Elevation Monitoring (CASGEM) Program (Ongoing, 2011 to Present) (see Att#3_LGA12_NapaCnty_GWMP_5of5) ? Napa County Participation in coordinating committees of both the San Francisco Bay Area IRWM Plan Update and Westside Sacramento River IRWM Plan Development (Ongoing, 2005 to Present) <http://bairwmp.org/> and <http://www.westsideirwm.com/>.

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.

Not applicable.

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: Att#1_LGA12_NapaCnty_AuthDoc_1of2.pdf,Att#1_LGA12_NapaCnty_AuthDoc_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: Att#2_LGA12_NapaCnty_EligDoc_1of3.pdf,Att#2_LGA12_NapaCnty_EligDoc_2of3.pdf,Att#2_LGA12_NapaCnty_EligDoc_3of3.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: Att#3_LGA12_NapaCnty_GWMP_1of5.pdf,Att#3_LGA12_NapaCnty_GWMP_2of5.pdf,Att#3_LGA12_NapaCnty_GWMP_3of5.pdf,Att#3_LGA12_NapaCnty_GWMP_4of5.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: Att#4_LGA12_NapaCnty_ProjD_1of3.pdf,Att#4_LGA12_NapaCnty_ProjD_2of3.pdf,Att#4_LGA12_NapaCnty_ProjD_3of3.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: Att#5_LGA12_NapaCnty_WrkPln_1of2.pdf,Att#5_LGA12_NapaCnty_WrkPln_2of2.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: Att#6_LGA12_NapaCnty_BUDGET_2of2.pdf,Att#6_LGA12_NapaCnty_BUDGET_1of2.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: Att#7_LGA12_NapaCnty_SCHED_1of1.pdf,Att#8_LGA12_NapaCnty_QA_2of2.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: Att#8_LGA12_NapaCnty_QA_1of2.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: Att#9_LGA12_NapaCnty_PERFORM_1of3.pdf,Att#9_LGA12_NapaCnty_PERFORM_2of3.pdf,Att#9_LGA12_NapaCnty_PERFORM_3of3.p

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 Subm

Last Uploaded Attachments: Att#10_LGA12_NapaCnty_1420_1of1.pdf
