

Proposal Full View

Applicant Information

Organization Name *

Tax ID **94605006**

Proposal Name Humboldt Bay Municipal Water District Groundwater Study *

Proposal Objective HBMWD proposes to complete a groundwater study to assist in refinement of the groundwater model. The refined groundwater model will be used to update the HBMWD GWMP in the future. The Groundwater Study will include; mapping of the bedrock around Collectors 1, 1A, 2, and 4; updating and refining the previously developed groundwater model with additional data near Collectors 1, 1A, 2, and 4 not included in the original groundwater modeling efforts; completing a final evaluation to determine the potential yields from Collectors 1, 1A, 2, and 4; developing recommendations regarding a Collector for lateral replacement under the broader Ranney Collector Rehabilitation program developed in the CIP. The proposed groundwater study will further the goals of HBMWD's GWMP. The groundwater study will build upon the previous information obtained from the 2012 Collector 3 lateral replacement project and historical stratigraphic information to refine HBMWD's understanding of the hydrogeologic conditions in the aquifer serving the Collectors. The proposed project will improve HBMWD's understanding of the influence of pumping at the Ranney Collectors on turbidity within the groundwater resource through collection of additional data during pump testing. The results of the proposed groundwater study will identify improvement options for the other Collectors, meeting the GWMP goals of enhancing the reliability of groundwater in the area and helping to ensure the long-term availability of high quality groundwater. HBMWD is committed to providing a long-term source of high quality potable water for the residents of Humboldt County, as such, the GWMP is a living document which serves as a tool for strategic planning to assist in balancing strategic planning of capital improvements with protection of the groundwater resource. *

Budget

Other Contribution	<input type="text" value="\$0.00"/>
Local Contribution	<input type="text" value="\$0.00"/>
Federal Contribution	<input type="text" value="\$0.00"/>
Inkind Contribution	<input type="text" value="\$11,600.00"/>

Amount Requested *

Total Project Cost *

Geographic Information

Latitude * DD(+/-) MM SS

Longitude * DD(+/-) MM SS

Longitude/Latitude Clarification Location

County Humboldt *

Ground Water Basin Mad River Valley-Dows Prarie School, Mad River Valley-Lowland

Hydrologic Region North Coast

Watershed Mad River (RBU 109) / Eureka Plain (RBU 1110)

Legislative Information

Assembly District 1st Assembly District *

Senate District 2nd Senate District *

US Congressional District District 1 (CA) *

Project Information

Project Name

Implementing Organization	Humboldt Bay Municipal Water District
Secondary Implementing Organization	
Proposed Start Date	5/1/2013
Proposed End Date	9/30/2014
Project Scope	The proposed Scope of Work for the HBMWD Groundwater Study is included in Attachment 5, Workplan, of this application.
Project Description	The Groundwater Study Project Description is included as Attachment 4 of this application. Per discussion with Bond Management System Information Services, the character limits for this proposal are incorrect and the character limit does not allow the proposal to be saved, limit the text and refer to the location of information in the attachments.

Project Objective

The Groundwater Study Project Objectives are discussed in Attachments 4 and 5, Project Description and Workplan, respectively, of this application.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage -- Groundwater-Water Supply Enhancement	0	

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="0"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="11600"/>
Amount Requested	<input type="text" value="249952"/>
Total Project Cost	<input type="text" value="261552"/>

Geographic Information

Latitude DD(+/-)	<input type="text" value="40"/>	MM	<input type="text" value="54"/>	SS	<input type="text" value="29"/>
Longitude DD(+/-)	<input type="text" value="124"/>	MM	<input type="text" value="3"/>	SS	<input type="text" value="10"/>
Longitude/Latitude Clarification	<input type="text"/>	Location	<input type="text"/>		

County Humboldt Ground Water Basin Mad River Valley-Dows Prarie School, Mad River Valley-Lowland Hydrologic Region North Coast WaterShed

Legislative Information

Assembly District	1st 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.

Humboldt Bay Municipal Water District (HBMWD), Post Office Box 95, Eureka, California 95502

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.

Humboldt Bay Municipal Water District (HBMWD) is located in Humboldt County and serves the Humboldt Bay region, which is the most heavily populated and developed part of Humboldt County.

HBMWD was established in 1956 to provide domestic and industrial water to various municipal agencies and industrial water users. HBMWD's Ranney Collectors are the heart of the water delivery system and critical to HBMWD's mission of providing reliable, high quality drinking water to their customers. The Collectors are currently over 50 years old and the summer time peak instantaneous demand of 20 million gallons per day (MGD) exceeds their capacity. Peak daily demand is also fast approaching the Collector's maximum capacity. Replacement of laterals is necessary for HBMWD to meet current and future contracted demands. HBMWD proposes to complete a groundwater study to assist in refinement of the groundwater model. The refined groundwater model will be used to update the HBMWD GWMP in the future. The Groundwater Study will include: mapping of the bedrock around Collectors 1, 1A, 2, and 4; updating and refining the previously developed groundwater model with additional data near Collectors 1, 1A, 2, and 4 not included in the original groundwater modeling efforts; completing a final evaluation to determine the potential yields from Collectors 1, 1A, 2, and 4; and developing recommendations regarding a Collector for lateral replacement under the broader Ranney Collector Rehabilitation program developed in the CIP. The proposed groundwater study will further the goals of HBMWD's GWMP. The groundwater study will build upon the previous information obtained from the 2012 Collector 3 lateral replacement project and historical stratigraphic information to refine HBMWD's understanding of the hydrogeologic conditions in the aquifer serving the Collectors. The proposed project will improve HBMWD's understanding of the influence of pumping at the Ranney Collectors on turbidity within the groundwater resource through collection of additional data during pump testing. The work on Collector 3 showed new laterals can improve yield while reducing drawdown. The results of the proposed groundwater study will identify improvement options needed for the other Collectors, to meet the GWMP goals of enhancing the reliability of groundwater in the area and helping to ensure the long-term availability of high quality groundwater. HBMWD is committed to providing a long-term source of high quality potable water for the residents of Humboldt County, as such, the GWMP is a living document which serves as a tool for strategic planning to assist in balancing strategic planning of capital improvements with protection of the groundwater resource.

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.

Cecil Wilson HBMWD Business Manager/Controller 707-443-5018 email: wilson@hbmwd.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.

Cecil Wilson HBMWD Business Manager/Controller 707-443-5018 email: wilson@hbmwd.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

- 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.

HBMWD adopted a Groundwater Management Plan (GWMP) on December 8, 2005. A copy of the HBMWD GWMP and adopting resolution are included in Attachment 3 of this grant application. The HBMWD GWMP was adopted under the Groundwater Management Act (California Water Code Part 2.6, Section 10753), also known as Assembly Bill 3030, which provides public agencies with the authority to prepare groundwater management plans and submit them to the California Department of Water Resources (DWR).

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).

Humboldt Bay Municipal Water District (HBMWD) prepared a Groundwater Management Plan (GWMP), approved by the HBMWD Board of Directors on December 8, 2005 (Resolution number 2005-12). The GWMP and HBMWD resolution are included in Attachment 3. The GWMP is a valuable, living document which has been utilized as a tool for recommendations regarding capital improvements, such as the installation of new laterals for one of the HBMWD Ranney Collectors (Collector 3), Mad River Basin management, and protection of the groundwater resource. The data

collected from the proposed groundwater study will be incorporated in future amendments to the GWMP.

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.

Humboldt Bay Municipal Water District (HBMWD), Post Office Box 95, Eureka, California 95502, Attention: Cecil Wilson, Business Manager/Controller, 707-443-5018, email: wilson@hbmwd.com Documentation establishing compliance with AB1420 are included in Attachment 10. Documentation providing water meter certification is also included in Attachment 10.

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.

HBMWD prepared and submitted an Urban Water Management Plan (UWMP) to DWR. The HBMWD UWMP and DWR correspondence regarding the plan are included in Attachment 10.

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_HBMWD_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_HBWMD_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_HBMWD_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_HBWMD_ProjDesc_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_HBWMD_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_HBWMD_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_HBWMD_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_HBWMD_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_HBWMD_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_HBWMD_AB1420_1of1.pdf
