

Proposal Full View

Applicant Information

Organization Name *

Tax ID **770068646**

Proposal Name **Managed Aquifer Recharge & Recovery Study** *

Proposal Objective

The objective of the Managed Aquifer Recharge & Recovery Study is to maximize the capacity in terms of recharge and recovery of the PVWMA's Harkins Slough Project Recharge Facility. This proposed study works toward that goal by installing monitoring wells that will be used to conduct aquifer tests to determine the hydraulic properties of the shallow aquifer in three locations around recharge basin. Understanding these properties, and how they vary spatially, will help determine the most effective way to further develop infrastructure at the facility to assist with the Agency's mission of stopping groundwater overdraft and seawater intrusion. In addition, managed aquifer recharge and recovery is considered such a valuable project in the valley that development of a second facility is being evaluated by a Basin Management Planning Committee, formed by the Board of Directors. Improving our understanding of the how to maximize the capacity of the Harkins Slough Project now, will help PVWMA staff and consultants design, construct and operate a second MAR facility *

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="\$30,264.00"/>
Amount Requested	<input type="text" value="\$114,950.00"/> *
Total Project Cost	<input type="text" value="\$145,214.00"/> *

Geographic Information

Latitude * DD(+/-) MM SS

Longitude * DD(+/-) MM SS

Longitude/Latitude Clarification

Location

The Harkins Slough Project Managed Aquifer Recharge and Recovery facility is located on the San Andr

County **Santa Cruz** *

Ground Water Basin **Pajaro Valley**

Hydrologic Region **Central Coast**

Watershed **23 3305 Pajaro River**

Legislative Information

Assembly District
 Senate District
 US Congressional District

27th Assembly District *
 15th Senate District *
 District 17 (CA) *

Project Information

Project Name		Managed Aquifer Recharge & Rec
Implementing Organization	Pajaro Valley Water Management Agency	
Secondary Implementing Organization		
Proposed Start Date	2/1/2013	
Proposed End Date	5/30/2014	
Project Scope	Assess existing hydrogeologic data, install monitoring wells, conduct aquifer tests, report results.	
Project Description	<p>The proposed Managed Aquifer Recharge & Recovery Study will determine the hydraulic properties of the shallow aquifer in three locations around the recharge facility. A better understanding of these properties will lead to a strategic approach of how to maximize the capacity of the facility. The concept behind this study is to construct three pairs of shallow monitoring wells that will be used to perform aquifer tests in three separate areas around the recharge basin to obtain high quality data about the hydraulic properties of the shallow aquifer. The wells will be constructed such that the perforated casing ends just above the clay found at approximately 35 feet elevation (Figure 8). Constructing wells in this manner will allow staff to perform aquifer tests within the section of the aquifer receiving direct recharge from project operations. Knowing the hydraulic properties of the shallow aquifer above the 35-foot clay is essential to determining feasibility of constructing a network of shallow recovery (extraction) wells that would be used to efficiently capture recharged water for distribution to coastal ranches within the valley suffering from salt water intrusion.</p>	
Project Objective	<p>Study the hydraulic properties of the shallow aquifer for clues on how to maximize the capacity of the recharge and recovery facility. Use this information when designing a second managed aquifer recharge facility, as called for in the Basin Management Plan.</p>	

Project Benefits Information

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="30264"/>
Amount Requested	<input type="text" value="114950"/>
Total Project Cost	<input type="text" value="145214"/>

Geographic Information

Latitude DD(+/-) MM SS

Longitude DD(+/-) MM SS

Longitude/Latitude Clarification Location

County Santa Cruz Ground Water Basin Pajaro Valley Hydrologic Region Central Coast WaterShed

Legislative Information

Assembly District	27th Assembly District
Senate District	15th Senate District
US Congressional District	District 17 (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.

Pajaro Valley Water Management Agency, 36 Brennan Street, Watsonville CA 95076

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 objective of the Managed Aquifer Recharge & Recovery Study is to maximize the capacity in terms of recharge and recovery of the PVWMA's Harkins Slough Project Recharge Facility. This proposed study works toward that goal by installing monitoring wells that will be used to conduct aquifer tests to determine the hydraulic properties of the shallow aquifer in three locations around recharge basin. Understanding these properties, and how they vary spatially, will help determine the most effective way to further develop infrastructure at the facility to assist with the Agency's mission of stopping groundwater overdraft and seawater intrusion. In addition, managed aquifer recharge and recovery is considered such a valuable project in the valley that development of a second facility is being evaluated by a Basin Management Planning Committee, formed by the Board of Directors. Improving our understanding of the how to maximize the capacity of the Harkins Slough Project now, will help PVWMA staff and consultants design, construct and operate a second MAR facility.

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.

Mary Bannister, General Manager Pajaro Valley Water Management Agency 36 Brennan Street, Watsonville, CA 95076
831-722-9292 Bannister@pvwater.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.

Brian Lockwood, PG, Staff Hydrologist Pajaro Valley Water Management Agency 36 Brennan Street, Watsonville, CA 95076 831-722-9292 Lockwood@pvwater.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.

GWMP Adopted on February 6, 2002 through the Agency Act, which is codified in the ?Water Code-Appendix.?

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).

PVWMA has an adopted GWMP - the Basin Management Plan. Additionally, PVWMA is a partner in the Parjaro River Watershed, IRWM Plan The PVWMA reviews well permit applications for both Santa Cruz and Monterey Counties.

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: Att#1_LGA12_PVWMA_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: Att#2_LGA12_PVWMA_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: Att#3_LGA12_PVWMA_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: Att#4_LGA12_PVWMA_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: Att#5_LGA12_PVWMA_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: Att#6_LGA12_PVWMA_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: Att#7_LGA12_PVWMA_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: Att#8_LGA12_PVWMA_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".

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".
