

Proposal Full View

Applicant Information

Organization Name Eastern Municipal Water Distric *
 Tax ID **956004429**
 Proposal Name San Jacinto Groundwater Compliance Management Tool Project *
 Proposal Objective Eastern Municipal Water District (EMWD) serves approximately 755,000 people in a 542 square mile area in western Riverside County. EMWD's Board of Directors is committed in its strategic plan to "Ensure quality and reliability by developing and implementing a cost-effective blend between local and imported water sources." This proposal is for the San Jacinto Groundwater Compliance Management Tool, which is an enhancement of EMWD's Regional Groundwater Model for the San Jacinto Watershed completed in 2002. Since 2002, changes in groundwater production have caused water levels in some areas of the groundwater basin to drop by 400 to 500 feet, while other areas have remained stable. The goal of this proposal is to complete the Groundwater Compliance Management Tool for predicting the effects of various regional projects in order to maximize benefits to the San Jacinto Watershed. These projects include drought reliability, optimization of the local groundwater reservoir, minimizing recycled water discharge from the basin, and the mitigation of groundwater solutes in support of fulfilling the goals and objectives of the Groundwater Management Plans. This project is an enhancement of an existing model. Required physical facilities (i.e. monitoring wells) are already in place, so no construction or equipment purchases will be required for this project. *

Budget

Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$137,000.00
Amount Requested	\$250,000.00 *
Total Project Cost	\$387,000.00 *

Geographic Information

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

Longitude/Latitude Clarification Location San Jacinto River Watershed within the Santa Ana River Watershed.
 County Riverside *
 Ground Water Basin San Jacinto
 Hydrologic Region South Coast
 Watershed Santa Ana River

Legislative Information

Assembly District 65th Assembly District *
 Senate District 37th Senate District *
 US Congressional District District 41 (CA) *

Project Information

Project Name San Jacinto Groundwater Compliance Manage <input type="button" value="v"/>	
Implementing Organization	Eastern Municipal Water District
Secondary Implementing Organization	
Proposed Start Date	5/1/2013
Proposed End Date	4/30/2014
Project Scope	<p>The San Jacinto Groundwater Compliance Management Tool Project (MTP) consists of an update to the Regional Groundwater Model for the San Jacinto Watershed. The Watershed is located in Western Riverside County and includes several agencies. The goal of the project is to generate a peer-reviewed groundwater model update that will help manage the groundwater basin from both a local and regional perspective. There is no need for the construction of new facilities to support this project at this time.</p> <p>Eastern Municipal Water District's (EMWD) San Jacinto Groundwater Compliance Management Tool Project (MTP) will be an enhancement of the San Jacinto Groundwater Basin Model. The MTP will provide the Regional Water Control Board, cities, water districts and water masters in the basin to forecast the impact of projects directed at improving local drought reliability, mitigating high salt loads, minimizing recycled water discharge and optimizing the use of local groundwater</p>

Project Description	<p>storage. The San Jacinto Basin is managed under two groundwater management plans, the Hemet/San Jacinto and West San Jacinto Groundwater Management Plans. Direct benefits to the San Jacinto Basin will be groundwater production optimization, salinity management, and long-range groundwater production management and planning. The MTP will provide a basis for locating properties to install new wells, anticipated depths, nearby well interference potential, and estimated production volumes. The MTP will also identify the boundary conditions as input into salinity management analytical tools which estimate long-term effects on the basin and are required for regulatory compliance. Long-range planning will be enhanced by identification and locating potential areas for both surface recharge and direct groundwater injection. This project will also have regional and State benefits. It will help municipalities and agricultural users in the area identify optimal areas for new wells. The CASGEM program will benefit because it will allow DWR to more accurately monitor and have input into groundwater management plans. CDPH will benefit from the information as it relates to Indirect Potable Recharge in the basin. And by enhancing local groundwater supplies, thereby reducing the amount of water imported into the region, the Bay Delta and Colorado River benefits as well.</p>
Project Objective	<p>The project objective is to generate a groundwater compliance management tool to allow for predicting the effects of various regional projects in order to maximize benefits to the San Jacinto Watershed. These projects include drought reliability, optimization of the local groundwater reservoir, minimizing recycled water discharge from the basin, and the mitigation of groundwater solutes in support of EMWD's effort to fulfill various goals and objectives of the Groundwater Management Plans.</p>

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Groundwater Studies	0	Reduce water costs
Primary	Other-Groundwater Studies	0	Increase recharge capability
Primary	Other-Groundwater Studies	0	Provide for prior and paramount water rights
Primary	Other-Groundwater Studies	0	Ensure a reliable water supply
Primary	Other-Groundwater Studies	0	Determine the basin's safe yield
Primary	Other-Groundwater Studies	0	Increase Groundwater Storage
Primary	Other-Groundwater Studies	0	Reduce Overdraft
Primary	Other-Groundwater Studies	0	Groundwater Basin Model
Primary	Other-Groundwater Studies	0	Groundwater Basin Management
Primary	Other-Groundwater Studies	0	Increase local emergency and drought supply
Primary	Other-Groundwater Studies	0	Reduce demand on the Delta
Primary	Other-Groundwater Studies	0	Increase reliance on local groundwater
Primary	Other-Groundwater Studies	0	Protect and enhance groundwater quality
Primary	Other-Groundwater Studies	0	Minimize discharge of recycled water
Primary	Other-Groundwater Studies	0	Increase supplies for disadvantaged communities
Secondary	Other-Groundwater Studies	0	Recover brackish groundwater basins
Secondary	Other-Groundwater Studies	0	Provide data for CASGEM and Bulletin 118
Secondary	Other-Groundwater Studies	0	Mitigate solutes
Secondary	Other-Groundwater Studies	0	Provide for planned urban growth

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="137000"/>

Amount Requested
 Total Project Cost

Geographic Information

Latitude DD(+/-) MM SS
 Longitude DD(+/-) MM SS
 Longitude/Latitude Clarification Location
 County Riverside Ground Water Basin San Jacinto Hydrologic Region South Coast WaterShed
 Santa Ana River

Legislative Information

Assembly District	65th Assembly District
Senate District	37th Senate District
US Congressional District	District 41 (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.
 Eastern Municipal Water District PO Box 8300 2270 Trumble Road Perris, CA 92572-8300 951-928-3777

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.

Eastern Municipal Water District's (EMWD) San Jacinto Groundwater Compliance Management Tool Project (MTP) will be a refinement of the San Jacinto Groundwater Basin Model. The MTP will provide the Regional Water Control Board, cities, water districts and water masters in the basin to forecast the impact of projects directed at improving local drought reliability, mitigating high salt loads, minimizing recycled water discharge and optimizing the use of local groundwater storage. The San Jacinto Basin is managed by two groundwater management plans, the Hemet/San Jacinto and West San Jacinto Groundwater Management Plans. Direct benefits to the San Jacinto Basin will be groundwater production optimization, salinity management, and long-range groundwater production management and planning. A detailed model will provide a basis for locating properties to install new wells, anticipated depths, nearby well interference potential, and estimated production volumes. The MTP will also identify the boundary conditions for input into salinity management analytical tools which estimate long-term effects on the basin and are required for regulatory compliance. Long-range planning will be enhanced by identification and locating potential areas for both surface recharge and direct groundwater injection. This project will also have regional and State benefits. It will help municipalities and agricultural users in the area identify optimal areas for new wells. The CASGEM program will benefit because it will allow DWR to more accurately monitor and have input into groundwater management plans. CDPH will benefit from the information as it relates to Indirect Potable Recharge in the basin. And by enhancing local groundwater supplies, thereby reducing the amount of water imported into the EMWD, the Bay Delta and Colorado River benefits as well. The San Jacinto Basin is under the jurisdiction of two GWMPs - the Hemet/San Jacinto Groundwater Management Area Water Management Plan (H/SJ GWMP), and the West San Jacinto Groundwater Basin Groundwater Management Plan (WSJ GWMP). The HSJ GWMP has eight primary goals and objectives, which are: to address pumping overdraft and declining water levels, provide for Soboba Tribe prior and paramount water rights, ensure reliable water supply, provide for planned urban growth, protect and enhance water quality, develop cost-effective water supply, and provide adequate monitoring for water supply and water quality. The stated goal of the WSJ GWMP is to "maximize the use of groundwater for potable demands in such a way as to lower the cost of water supply and to improve the reliability of the total water supply for all water users in the WSJ GWMP area." This goal is to be evaluated using five criteria: the ability to meet future water demands, the minimization of dependence on imported water, having an adequate and safe water supply (water quality), and minimal cost and ease of implementation. The MTP will be of notable importance as part of EMWD's efforts to meet the goals and objectives of the GWMP.

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.
 Paul D. Jones II, P.E. General Manager, Eastern Municipal Water District jonesp@emwd.org 951-928-3777

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.
 John L. Daverin P.G., C.Hg. Senior Engineering Geologist daverinj@emwd.org 951-928-3777

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 West San Jacinto Groundwater Basin Management Plan was adopted by the Board of Directors of Eastern Municipal Water District on June 8, 1995 as Resolution No. 3156 under Water Code Section 10750 et seq. The Hemet/San Jacinto Water Management Plan was adopted by the Board of Directors of Eastern Municipal Water District on November 21, 2007 as Resolution No. 4773 under Water Code Section 10750 et seq.

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 following Annual Reports indicate collaboration with other local agencies with regard to the management of the affected groundwater basins: The West San Jacinto Groundwater Basin Management Plan 2010 Annual Report indicates involvement by the Cities of Moreno Valley, Menifee and Perris as well as the unincorporated areas of Lakeview, Nuevo, and Winchester, as well as private groundwater producers and the public. The Hemet/San Jacinto Water Management Area 2010 Annual Report indicates involvement by the Cities of Hemet and San Jacinto, the Lake Hemet MWD, unincorporated areas of Riverside County, private groundwater producers, and the public.

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.**

Eastern Municipal Water District is the only urban water supplier that will receive funding from the proposed grant. 2270 Trumble Road, Perris, CA 92572-8300 951-928-3777 jonesp@emwd.org Self Certification of Compliance was CWC Section 525 and AB 1420 are 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.**

Eastern Municipal Water District submitted a complete 2010 UWMP to DWR on July 6, 2011. The 2010 UWMP was verified as complete by DWR on March 12, 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_EMWD_AuthDoc_1ofTotal2.docx,Att1_LGA12_EMWD_AuthDoc_2ofTotal2.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_EMWD_EligDoc1ofTotal2.docx,Att2_LGA12_EMWD_EligDoc2ofTotal2.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_EMWD_GWMP_1ofTotal3.docx,Att3_LGA12_EMWD_GWMP_2ofTotal3.pdf,Att3_LGA12_EMWD_GWMP_3ofTotal3.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_EMWD_ProjD_1ofTotal3.docx,Att4_LGA12_EMWD_ProjD_2ofTotal3.pdf,Att4_LGA12_EMWD_ProjD_3ofTotal3.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_EMWD_WrkPln_2ofTotal3.pdf,Att5_LGA12_EMWD_WrkPln_3ofTotal3.pdf,Att5_LGA12_EMWD_WrkPln_1ofTotal3.docx

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_EMWD_BUDGET_1ofTotal2.docx,Att6_LGA12_EMWD_BUDGET_2ofTotal2.xlsx

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_EMWD_SCHED_2ofTotal2.xlsx,Att7_LGA12_EMWD_SCHED_1ofTotal2.docx

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_EMWD_QA_1ofTotal5.docx,Att8_LGA12_EMWD_QA_2ofTotal5.doc,Att8_LGA12_EMWD_QA_3ofTotal5.pdf,Att8_LGA12_EMWD_QA_4ofTotal5.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_EMWD_PERFORM_1ofTotal1.docx

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: Att10_LGA12_EMWD_1420_1ofTotal3.pdf,Att10_LGA12_EMWD_1420_2ofTotal3.pdf,Att10_LGA12_EMWD_1420_3ofTotal3.pdf
