

**SPECIAL MEETING OF THE WATER RESOURCES COMMITTEE  
OF THE BOARD OF DIRECTORS  
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA  
4040 PARAMOUNT BOULEVARD, LAKEWOOD, CALIFORNIA 90712  
12:00 P.M., MONDAY, NOVEMBER 29, 2010**

**AGENDA**

EACH ITEM ON THE AGENDA, NO MATTER HOW DESCRIBED, SHALL BE DEEMED TO INCLUDE ANY APPROPRIATE MOTION, WHETHER TO ADOPT A MINUTE MOTION, RESOLUTION, PAYMENT OF ANY BILL, APPROVAL OF ANY MATTER OR ACTION, OR ANY OTHER ACTION. ITEMS LISTED AS "FOR INFORMATION" MAY ALSO BE THE SUBJECT OF ANY "ACTION" TAKEN BY THE BOARD OR A COMMITTEE AT THE SAME MEETING.

1. **DETERMINATION OF A QUORUM**
2. **PUBLIC COMMENT**
3. **MINUTES OF THE MEETING OF AUGUST 4, 2010**  
*Staff Recommendation:* Approve as submitted.
4. **GROUNDWATER BASINS MASTER PLAN UPDATE**  
*Staff Recommendation:* For information.
5. **AWARD OF CONTRACT FOR GROUNDWATER MODELING SERVICES FOR RECYCLED WATER PERMIT COMPLIANCE PURPOSES, ALAMITOS AND DOMINGUEZ GAP SEAWATER BARRIERS**  
*Staff Recommendation:* Enter into an agreement with Intera, subject to approval of form by District Counsel, for groundwater modeling services related to recycled water permit compliance at the Alamitos and Dominguez Gap seawater barriers for a cost not to exceed \$166,000.
6. **TIME EXTENSION FOR PROFESSIONAL SERVICES AGREEMENT WITH WORLEYPARSONS FOR ASSISTANCE WITH CONTAMINATED SITE INVESTIGATION AND EXPEDITED CLEANUP**  
*Staff Recommendation:* Extend the termination date of the Professional Services Agreement with WorleyParsons to June 30, 2011, with no additional cost to the District.
7. **CONTRACT AMENDMENT FOR GEOTRANS FOR WELL PROFILING SERVICES**  
*Staff Recommendation:* Amend the existing agreement with GeoTrans Inc., subject to approval of form by District Counsel, to extend the term to June 30, 2011 and to increase the contract amount by \$30,000.
8. **CONTRACT AMENDMENT FOR DMJ CONSULTING**  
*Staff Recommendation:* Amend the existing contract with DMJ Consulting to include a budget increase of \$40,000 for a total contract amount of \$90,000.

9. **GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) UPDATE**  
*Staff Recommendation:* For information.
10. **CLOSED SESSION**  
Conference with Legal Counsel – Anticipated Litigation, pursuant to Government Code §54956.9(b), One Case
11. **DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF**
12. **ADJOURNMENT**

Posted by Abigail C. Andom, Deputy Secretary, November 24, 2010.

In compliance with the Americans with Disabilities Act (ADA), if special assistance is needed to participate in the Board meeting, please contact Deputy Secretary Abigail Andom at (562) 921-5521 for assistance to enable the District to make reasonable accommodations.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 4040 Paramount Boulevard, Lakewood, California 90712.

Agendas and minutes are available at the District's website, [www.wrd.org](http://www.wrd.org).

UNAPPROVED  
MINUTES

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**MINUTES OF AUGUST 4, 2010  
MEETING OF THE WATER RESOURCES COMMITTEE  
OF THE BOARD OF DIRECTORS  
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

A meeting of the Water Resources Committee of the Water Replenishment District of Southern California was held on Wednesday, August 4, 2010, 12:28 p.m. at the District Office, 4040 Paramount Boulevard, Lakewood, California. Director Albert Robles called the meeting to order and presided thereafter. Administrative Specialist Sheryll A. Moffat recorded the minutes.

**1. DETERMINATION OF A QUORUM**

Attendees at the meeting were as follows:

Committee: Directors Albert Robles and Rob Katherman  
Staff: Ted Johnson, Paul Fu, and Jim McDavid

**2. PUBLIC COMMENT**

None.

**3. MINUTES OF THE MEETINGS OF APRIL 7, 2010 AND JUNE 15, 2010**

The minutes of April 7 and June 15, 2010 were approved as submitted.

**4. GROUNDWATER BASIN UPDATE**

Chief Hydrogeologist Ted Johnson said that precipitation was 12% above normal for the water year. He reported that the seawater barriers were operating fine and that the groundwater levels rose in the winter and spring of 2010 but are now falling at the rate of about 1-1/2' per week.

Director Robles asked when we would be at 100% recycled water in the West Basin Barriers to which Mr. Johnson said probably in about three years assuming that West Basin MWD can complete their expansion.

**5. GROUNDWATER BASINS MASTER PLAN UPDATE**

Mr. Johnson said that the Board approved merging the Central Basin Master Plan into the West Basin Master Plan at their last meeting. He said that the consultants, CH2MHILL and Raines, Melton and Carella, will begin their interviews with Central Basin water rights holders and stakeholders soon. A kickoff meeting was held on July 22, 2010. Mr. Johnson said that he sat in on a meeting yesterday with Tesoro and Exxon Mobil and everything looks on track and that in 30 days the consultants will have a summary on West Basin. Staff will update the Committee and the Board at the September or October meetings.

**6. AGREEMENT WITH NWRI FOR INDEPENDENT ADVISORY PANEL FOR THE EXPANSION OF LEO J. VANDER LANS FACILITY**

Senior Engineer Paul Fu said that the pre-design should be finished in October and the final design will probably begin early in 2011 followed by construction. In three years the facility should be on line for 75% recycled water injection for at

least 12 months before we get approval to go onto 100%. He said that the capacity now is 3,000 acre feet per year and will double to 6,000 acre feet. Mr. Fu said that as a permit condition, the State requires the formation of an Independent Advisory Panel to provide an expert peer review of the safe use of recycled water in the expansion of the facility. Both WBMWD and Orange County Water District have recently been through this process and they used the National Water Research Water Institute (NWRI) for this process. The cost of \$100,000 for NWRI is all inclusive. The panel will be composed of up to 8 members with different expertise and also include one member from a water utility agency and one from the community and the process will take approximately one year. WRD will invite the Health Department and other regulators to participate in this process.

The committee approved the staff recommendation to approve an agreement with the National Water Research Institute (NWRI) to serve as the Independent Advisory Panel providing expert peer review of the safe use of recycled water in the proposed expansion of the Leo J. Vander Lans Water treatment Facility, for an amount not to exceed \$91,000 plus a 10% contingency at \$9,000 for a maximum authorized amount of \$100,000.

**7. FIELD VEHICLE**

Mr. Johnson reported that staff would like to send out a Request for Proposals (RFP) to get a replacement vehicle for the original field sampling truck which has become unreliable and outdated.

The Committee approved the staff recommendation to authorize staff to solicit requests for bids from Mitsubishi Commercial Truck Dealerships in Los Angeles and Orange County for the purchase of a field vehicle.

**8. UPDATE ON RFP FOR REPLENISHMENT WATER**

Mr. Johnson said that staff was contacted by a legal firm in Kern County who has a client with about 8,400 acre feet of water for sale at \$642 per acre foot which is the cost of Tier 1 water now. This price did not include additional fees to transport the water to the spreading grounds in the Montebello Forebay as was requested in the District's Request for Proposal (RFP) for replenishment water. Mr. Johnson reported that the District would have to use San Gabriel Valley Municipal Water District's (SGVMWD) water connection to deliver the water to the river channel which would lead to the spreading grounds, but that this connection was not available at the moment and may also be too small to deliver all the water needed. There would be additional costs of about \$115 in wheeling fees plus USGVMWD markups, so the full water cost would be approximately \$800 per acre foot. This amount is greater than the Tier 1 water the District can buy. The offer is available on a calendar year basis.

Director Robles asked Mr. Johnson to email the RFP to Director Tom Love at SGVMWD and his General Manager. He also asked Mr. Johnson to contact the City of Compton to see how much Tier 1 water they have to potentially sell to WRD. The committee asked staff to contact Mr. Dick Rhone regarding the

wheeling costs of the 8,400 acre feet and also what other costs the District might incur and then propose a counter offer.

**9. GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP)**

Senior Engineer Jim McDavid stated that a meeting of the GRIP Joint Ad Hoc committee was held this past Monday to discuss the schedule for approving the GRIP Facility Agreements/Term Sheets, approving the revised Cost Sharing Agreement (CSA), issuing the contract for the Public Outreach Consultant, and approving the revised Joint Exercise of Powers Agreement (JPA). He stated that the AD-Hoc Committee had discussed the outstanding issues and had come to agreement on changes to be made to the JPA. The current schedule for board action/approval of the revised JPA by the partner agencies is: USGVMWD – Aug. 3 (it was approved by resolution at yesterday’s meeting); SGVMWD – Aug. 9; WRD – Aug. 20; and LACSD – Aug.25. The award of the contract to the public outreach consultant (The Rogers Group) by the WRD board is also scheduled for August 20. After discussion the committee asked staff to check with Legal Counsel regarding what actions the Board should take for approving the cost sharing agreement, approving the JPA with revised language and issuing the contract to the public outreach firm. Based on the response from counsel staff should prepare the necessary reports for the August 20 Board meeting.

**10. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF**

Director Katherman would like staff to look into doing a study of regional brine disposal alternatives in partnership with the Southern California Salinity Coalition. Staff stated that they would contact the SCSC to inquire about the possibility of such a study and would report back at the next committee meeting. Director Katherman would like a 5 year Capital Improvement Plan for programs and projects with the bulk of the plan from this committee’s projects and also from the Groundwater Quality Committee’s projects. Director Katherman said that West Basin will be releasing their “Economic Analysis on the Value of Locally Available Recycled Water” this fall and he would like staff to use it in presentations where it is applicable.

**10. ADJOURNMENT**

With no further business for the Committee, the meeting was adjourned at 2:00 p.m. the next meeting is scheduled for Wednesday, September 1, at 12:00 p.m.

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Chair

ATTEST:

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Member



## MEMORANDUM

### ITEM NO. 4

*Prepared by:* Jason Weeks  
*Reviewed by:* Ted Johnson  
*Approved by:* Robb Whitaker

**DATE:** NOVEMBER 29, 2010  
**TO:** WATER RESOURCES COMMITTEE  
**FROM:** ROBB WHITAKER, GENERAL MANAGER  
**SUBJECT:** GROUNDWATER BASINS MASTER PLAN UPDATE

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### SUMMARY

District staff and its consultants, CH2MHILL and RMC Water and Environment, are continuing work on the development of a Groundwater Basins Master Plan for the West Coast and Central Basins (Plan).

Phase 1 of the Plan consists of review and refinement of goals and objectives based on input from water rights holders and basin stakeholders, interviews with water rights holders and basin stakeholders to develop projected baseline conditions for future operations of the basins, and the development of conceptual alternative management scenarios for future basin operations to reduce reliance on imported water.

District staff and consultants have completed interviews with all major water rights holders in the West Coast Basin that serve residential customers and all major industrial water rights holders, which consist of refineries. The development and groundwater modeling of conceptual alternative management scenarios in the West Coast Basin is currently underway.

Interviews with Central Basin water rights holders have been initiated and are currently ongoing.

District staff will provide the Committee with an overview of the materials used for the Central Basin pumper interviews and a summary of feedback received to date.

### FISCAL IMPACT

None.

### STAFF RECOMMENDATION

For information.



## MEMORANDUM

### ITEM NO. 5

*Prepared by:* Ted Johnson

*Reviewed by:* Nancy Matsumoto

*Approved by:* Robb Whitaker

**DATE: NOVEMBER 29, 2010**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: AWARD OF CONTRACT FOR GROUNDWATER MODELING SERVICES RELATED TO RECYCLED WATER PERMIT COMPLIANCE AT THE ALAMITOS AND DOMINGUEZ GAP SEAWATER BARRIERS**

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### SUMMARY

Advanced-treated recycled water has been injected into the Alamitos Seawater Barrier since October 2005 and the Dominguez Gap Barrier since February 2006. Separate permits for the projects were issued by the Los Angeles Regional Water Quality Control Board after receiving approval from the California Department of Public Health. A condition of the permits is to submit annual reports documenting certain activities related to recycled water production, quality, injection, and movement through the aquifers over the past calendar year. Using previously created computer models of the barriers and aquifers, annual updates to these models help meet the regulatory requirements for recycled water movement and concentration in the groundwater basins to comply with our permits.

For the past few years, WRD has had separate annual contracts with consulting firms to perform the modeling. Recently, a major upgrade to the Alamitos Barrier model was completed in cooperation with the Los Angeles County Department of Public Works and the Orange County Water District to make the model more uniform and accessible. Because of the new Alamitos Barrier model and because results are required from both Alamitos and Dominguez Gap Barrier models within a month of each other, for efficiency and cost reduction, Staff is recommending contracting the annual modeling of the Alamitos and Dominguez Gap barriers to the same consulting firm. In addition, the term of the contract would be for three years instead of one year, to avoid the time and expense for annual procurement processes for identical annual work.

On October 22, 2010, the Board of Directors authorized staff to release a Request for Proposals (RFP) for the modeling work. On that same day, Staff released the RFP to 20 consulting firms that were on the District's pre-qualifications list for modeling services and to two other firms that had requested the RFP (Shannon&Wilson and Layne Christensen). The RFP was also placed on the District's web site.

By the due date of November 12, 2010, a total of 11 proposals were received by the District (see table below). Each proposal was carefully evaluated by a proposal review panel consisting of District staff experienced in modeling and also from experienced staff from the

Orange County Water District (OCWD) and the Los Angeles County Department of Public Works (LADPW). Each proposal was evaluated based on five weighted criteria, including Project Understanding (15%), Proposed Scope of Work and Schedule (20%), Estimated Cost (25%), Project Team Experience and Qualifications (30%), and Company Experience and Qualifications (10%).

The proposal review panel met at the District's office on November 23, 2010 to discuss the proposals and make a recommendation. Based on qualifications and overall value, the panel is recommending Intera as the winning firm. Intera recently completed the updated model for the Alamitos Seawater Barrier and did an excellent job, staying on budget and schedule. The Intera team knows the Alamitos Model better than any other team and can quickly come up to speed on the Dominguez Gap model as they demonstrated in their proposal. The table below presents the overall results of the panel's review process.

Company	Total Hours (Core Tasks 1-4)	Core Cost (Tasks 1-4)	Optional Tasks	Total Cost	Cost per Year	Total Points	Overall Ranking
Intera	1,072	\$ 120,020	\$ 31,016	\$ 151,036	\$ 50,345	361	1
Todd Engineers	648	\$ 104,463	\$ 53,064	\$ 157,527	\$ 52,509	325	2
Shannon&Wilson	534	\$ 78,000	\$ 42,000	\$ 120,000	\$ 40,000	318	3
AMEC	1,018	\$ 144,769	\$ 39,072	\$ 183,841	\$ 61,280	303	4
GeoTrans	1,066	\$ 143,398	\$ 40,000	\$ 183,398	\$ 61,133	290	5
AECOM	1,300	\$ 154,767	\$ 37,643	\$ 192,410	\$ 64,137	283	6
HydroMetrics	1,058	\$ 146,687	\$ 43,410	\$ 190,097	\$ 63,366	281	7
EWM	755	\$ 90,556	\$ 77,472	\$ 168,028	\$ 56,009	276	8
URS	1,132	\$ 157,560	\$ 42,270	\$ 199,830	\$ 66,610	273	9
Cardno ENTRIX	921	\$ 133,160	\$ 45,000	\$ 178,160	\$ 59,387	269	10
Rubicon	1,182	\$ 125,310	\$ 41,304	\$ 166,614	\$ 55,538	266	11

### **FISCAL IMPACT**

The cost for Intera to complete the work, including optional tasks, is \$151,036 for the three year contract, or about \$50,345 per year. A 10% contingency is also recommended to cover unanticipated items, bringing the total authorized amount to \$166,000. The work for this year is included in the current fiscal year budget.

### **STAFF RECOMMENDATION**

Enter into an agreement with Intera, subject to approval of form by District Counsel, for groundwater modeling services related to recycled water permit compliance at the Alamitos and Dominguez Gap seawater barriers for a cost not to exceed \$166,000.



## MEMORANDUM

ITEM NO. 6

*Prepared by:* Phuong Ly

*Reviewed by:* Ted Johnson

*Approved by:* Robb Whitaker

**DATE: NOVEMBER 29, 2010**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: TIME EXTENSION FOR PROFESSIONAL SERVICES AGREEMENT WITH WORLEYPARSONS FOR ASSISTANCE WITH CONTAMINATED SITE INVESTIGATION AND EXPEDITED CLEANUP**

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### SUMMARY

As part of the District's Groundwater Contamination Prevention Program, WRD tracks investigation and remediation progress at high-priority contaminated sites (those considered by WRD and regulatory agencies as presenting a relatively significant risk to drinking water supply aquifers in the Central and West Coast Basins). The District has also provided limited financial and in-kind technical assistance to expedite investigations and cleanups of the sites.

With the intent to accelerate the progress of contaminated site investigation and cleanup within the District, WRD amended an existing contract with the consulting firm, WorleyParsons, in December 2009 to assist with review and recommendations on an as-needed basis on selected issues affecting the high-priority contaminated sites. The District authorized an additional amount of \$25,000 to the existing Agreement with WorleyParsons for the as-needed consulting services. WorleyParsons was initially retained by the District to perform a Benefit-Cost-Risk Analysis for contaminated site investigations, remediation, and cost recovery and this work involved a review of all the high-priority contaminated sites tracked by the District.

The contract or Professional Services Agreement with WorleyParsons expires on December 31, 2010, but there are remaining funds under the agreement and additional services for WorleyParsons to provide. Therefore, Staff is seeking to extend the termination date of the contract to June 30, 2011 with no additional increase of funds.

### FISCAL IMPACT

None.

### STAFF RECOMMENDATION

Extend the termination date of the Professional Services Agreement with WorleyParsons to June 30, 2011, with no additional cost to the District.



## MEMORANDUM

ITEM NO. 7

*Prepared by:* Charlene King

*Reviewed by:* Ted Johnson

*Approved by:* Robb Whitaker

**DATE: NOVEMBER 24, 2010**

**TO: GROUNDWATER QUALITY COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: CONTRACT AMENDMENT FOR GEOTRANS FOR WELL PROFILING SERVICES**

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### SUMMARY

For the purpose of protecting and preserving the groundwater supplies within the WRD service area for beneficial uses, WRD is empowered to undertake activities to prevent contaminants from entering the groundwater supplies; to remove contaminants from the groundwater; to determine the existence, extent, and location of groundwater contaminants and to perform or obtain engineering, hydrologic, and scientific studies.

Understanding the production capacities and the water quality conditions of the multiple aquifers within the Central and West Coast Basins is important to the District to properly manage the groundwater resources. One of the programs WRD has to collect this information is the Well Profiling Program. This program is used to test water supply wells located in the service area to determine the flow and water quality profiles entering the wells from different zones across the perforated intervals. The current testing methods of the program include dynamic flow profiling and zone sampling. By testing and sampling different sections of a well and possibly sealing off zones with contamination, the well can produce water that will not require treatment before entering the distribution system. Conversely, the contaminated zones can be targeted for future remediation to avoid pumping out of the cleaner aquifers.

On January 21, 2010, the Board entered into an agreement with GeoTrans Inc. for professional services for well testing services, video surveying and reporting for 5 wells budgeted for fiscal year 2009/2010. This contract with a budgetary amount of \$140,000 will expire on December 31, 2010.

Five wells are currently participants of the well profiling program and a waiting list of 3 more wells has been established from various pumpers. Delays have been encountered in some of the wells because the owner had to take the wells out of service and perform repairs. As a result, the agreement with GeoTrans requires a time extension. In addition, one additional well has been budgeted for profiling in the current fiscal year 2010/2011 and is recommended to be added to the GeoTrans agreement.

**FISCAL IMPACT**

The additional well profiling is not expected to exceed \$30,000. This is a budgeted item in the fiscal year 2010/11 budget.

**STAFF RECOMMENDATION**

Amend the existing agreement with GeoTrans Inc., subject to approval of form by District Counsel, to extend the term to June 30, 2011 and to increase the contract amount by \$30,000.



## MEMORANDUM

### ITEM NO. 8

*Prepared by:* Tony Kirk

*Reviewed by:* Ted Johnson

*Approved by:* Robb Whitaker

**DATE: NOVEMBER 29, 2010**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: CONTRACT AMENDMENT FOR DMJ CONSULTING**

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### SUMMARY

The District retained DMJ Consulting (DMJ) for on-call hydrogeologic field services on April 16, 2010 after a competitive request for proposals process. The work by DMJ supports WRD projects and programs involving collection of groundwater data and the operation and maintenance of related equipment and infrastructure. Services include collection of groundwater samples and groundwater levels, locating new monitoring well locations and obtaining site access agreements, repair and maintenance of monitoring wells, and other field tasks as directed by District Staff.

Since initiation of the contract, DMJ has performed well in all aspects of service to the District. The consultant's strengths include the ability to take direction and work independently, communicate in a timely fashion, utilize subcontractors, and provide professional documentation of activities. Specific projects include significant repairs and replacements of 8 monitoring well vaults, locating drilling sites and assisting with permitting issues for recently completed WRD monitoring wells Los Angeles #3 and Carson #3, sampling of WRD Westbay monitoring wells WN-1 and WN-2, and numerous other field tasks. These efforts are helping WRD staff meet project deadlines and maintain various District assets.

The contract with DMJ was established with an initial budget amount of \$50,000 from the previous FY 09/10 budget and is nearly spent. The contract will not expire until June 30, 2011, and additional funds are budgeted in the current FY 10/11 Budget for field services. Therefore, Staff is recommending continuing the work with DMJ by amending the contract with an increase of \$40,000. Anticipated tasks include continuation of the work described above as well as a focused project involving telemetry research and pilot installation at key monitoring wells..

### FISCAL IMPACT

Not to exceed \$40,000. Funding for this work is included in the fiscal year 2010/2011 budget.

### STAFF RECOMMENDATION

Amend the existing contract with DMJ Consulting to increase the budget amount by \$40,000 for a total contract amount of \$90,000.



**MEMORANDUM**

**ITEM NO. 9**

*Prepared by: Jim McDavid*

*Reviewed by: Ted Johnson*

*Approved by: Robb Whitaker*

**DATE: NOVEMBER 29, 2010**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP)  
UPDATE**

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**SUMMARY**

The GRIP partnership, made up of the Upper San Gabriel Valley Municipal Water District (USGVMWD) Los Angeles County Sanitation Districts (LACSD) and WRD, continues to move forward with developing a program that would replace imported replenishment water with a locally sustainable supply (i.e. advanced treated reclaimed water). Staff will provide a verbal report of progress made over the last month.

**FISCAL IMPACT**

None at this time.

**STAFF RECOMMENDATION**

For information.