

**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., WEDNESDAY, JULY 6, 2011**

**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 JUNE 1, 2011**  
*Staff Recommendation:* Approve the minutes as submitted.
- 4. REQUEST FOR PROPOSAL (RFP) FOR FINAL DESIGN OF VANDER LANS FACILITY EXPANSION**  
*Staff Recommendation:* For discussion and possible action.
- 5. GROUNDWATER BASINS MASTER PLAN UPDATE**  
*Staff Recommendation:* For information.
- 6. INTERA GROUNDWATER MODELING CONTRACT AMENDMENT**  
*Staff Recommendation:* Amend the agreement with Intera Inc., subject to approval of form by District Counsel, for additional groundwater modeling tasks at the Dominguez Gap and Alamitos Seawater Barriers for an additional amount not to exceed \$56,000.
- 7. SAMPLING FOR WBMWD AT SEAWATER BARRIER WELLS**  
*Staff Recommendation:* Enter into an agreement with the West Basin Municipal Water District, subject to approval of form by District Counsel, for groundwater sampling services at the West Coast Basin Barrier Project. All costs for these services will be directly paid by WBMWD so that there will be no impact to WRD's replenishment assessment.
- 8. GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) UPDATE**  
*Staff Recommendation:* For information.
- 9. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF**
- 10. ADJOURNMENT**

Posted by Abigail C. Andom, Deputy Secretary, June 30, 2011.

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 Adom 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 JUNE 1, 2011  
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 Board of Directors of the Water Replenishment District of Southern California was held on Wednesday, June 1, 2011, 12:09 p.m., at the District Office, 4040 Paramount Boulevard, Lakewood, California. Director Rob Katherman called the meeting to order and presided thereafter. Deputy Secretary Abigail C. Andom recorded the minutes.

**1. DETERMINATION OF A QUORUM**

Attendees at the meeting were as follows:

Committee: Directors Albert Robles and Rob Katherman

Staff: Robb Whitaker, Ted Johnson, Jason Weeks, Jim McDavid, Paul Fu

Guest: Tom West, RMC Water and Environment

**2. PUBLIC COMMENT**

None.

**3. MINUTES OF THE MEETINGS OF APRIL 6, 2011 AND MAY 4, 2011**

The minutes were approved as submitted.

**4. GROUNDWATER BASIN UPDATE**

Chief Hydrogeologist Ted Johnson provided an update on the groundwater conditions in the Central and West Coast Basins. Mr. Johnson stated that, due to a wet winter, precipitation recorded for water year 2010-11 is currently 5.05 inches above normal. He noted that the wet winter combined with in-lieu activities by WRD may explain the reduction in pumping in the Central and West Coast Basins.

Mr. Johnson stated that the District completed the purchase of 18,000 acre feet of untreated Tier 1 water from Central Basin Municipal Water District (CBMWD) for replenishment. He noted that WRD has also reserved a total of 40,000 acre-feet of discounted water with Metropolitan Water District (MWD), including 6,500 acre-feet of replenishment water through Central Basin MWD and the remaining 33,500 acre-feet will be applied to WRD's In-Lieu program and/or more replenishment water at the spreading grounds. He stated that the 6,500 acre feet of replenishment water is expected to be delivered by June 30, 2011.

**5. NO COST TIME EXTENSION OF RMC WATER AND ENVIRONMENT CONTRACT**

Discussion followed on the reasons behind the delay of the completion of the Groundwater Reliability Improvement Project (GRIP) Alternatives Analysis, including change in the composition of the Joint Powers Agreement (JPA),

change in staff of the partner agencies, and addressing concerns expressed by the partners.

Tom West of RMC Water and Environment stated that the study was designed to be a 12-month project and is expected to be completed by the end of June 2011.

The Committee recommended the Board approve extension of the termination date of the contract with RMC Water and Environment to June 30, 2011, with no additional cost to the District. The item will be agendaized for Board approval at the June 17 Board meeting.

**6. GROUNDWATER BASINS MASTER PLAN UPDATE**

Senior Engineer Jason Weeks provided an update on the development of the Groundwater Basins Master Plan. Mr. Weeks stated that staff presented an overview of the plan at the Central Basin Water Association (CBWA) annual meeting held May 5. He noted that also present at the meeting was Leslie Cleveland of the U.S. Bureau of Reclamation (USBR) who was enthused with the feedback from attendees of the meeting. He explained that the USBR will be providing \$300,000 of federal funding to the project.

Mr. Weeks stated that staff also met on May 17 with Central Basin Metropolitan Water District member agencies (the cities of Los Angeles, Long Beach, Compton, and CBMWD) and overview of the concepts being considered were further evaluated.

Mr. Weeks informed the Committee that staff and the consultants are finalizing the conceptual alternative s analysis scenarios which are anticipated to be presented to the basin stakeholders at a workshop to be held in July.

Director Katherman recommended District staff to meet with senior MWD officials to apprise them of the plan and request their input on the project. General Manager Robb Whitaker suggested that the request could come from the MWD member agencies.

**7. NO COST TIME EXTENSION OF CH2M HILL CONTRACT**

The Committee recommended the Board extend the termination date of the Vander Lans Expansion Predesign Agreement with CH2M HILL by twelve months to June 30, 2012, with no additional cost to the District.

**8. REQUEST FOR PROPOSAL (RFP) FOR FINAL DESIGN OF VANDER LANS FACILITY EXPANSION**

The Committee recommended the Board approve the issuance of a Request for Proposal (RFP) for the final design, plans, and specifications for expansion of the Vander Lans Advanced Water Treatment Facility.

**9. CONTRACT AMENDMENT FOR GEOTRANS FOR WELL PROFILING SERVICES**

Mr. Johnson stated that one of the District's programs is the Well Profiling Program which tests water supply wells to determine the flow and water quality profiles entering the wells from different zones across perforated intervals. He explained that by testing and sampling different sections of the well and possibly sealing off zones with contamination, the well can produce water that will not require treatment before entering the distribution system and the identified contaminated zones can be remediated.

Mr. Johnson stated that an agreement for well profiling services was entered into with GeoTrans, Inc., currently known as Tetra Tech GEO, for five wells. He noted that Tetra Tech GEO has provided high quality service and their contract was extended to June 30, 2011 with a sixth well added for fiscal year 2010-11. He noted that the program has been very successful and a waiting list has been established and funds developed for the upcoming fiscal year for five more wells to be profiled. Mr. Johnson stated that staff is recommending continuing the relationship with Tetra Tech GEO to perform this service.

The Committee recommended the Board approve executing a contract amendment with Tetra Tech GEO for well profiling services for an amount not to exceed \$180,505 plus contingency for a total amount of \$210,000, and extend the term of the agreement to June 30, 2012.

**10. SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION MEMBERSHIP DUES FOR FISCAL YEAR 2011-2012**

The Committee recommended the Board authorize payment of \$23,753.08 to the San Gabriel Valley Protective Association for fiscal year 2011-2012.

**11. STRATEGIC SUPPORT SERVICES CONTRACT WITH KINDEL GAGAN, INC.**

The Committee recommended the Board extend the professional services agreement with Kindel Gagan, Inc. for strategic support services for a period of one year expiring June 30, 2012, for a monthly fee of \$10,000 plus \$225 per hour for any planning or analysis associated with legislation.

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

Director Katherman stated that he would like to place his name in nomination for the ACWA Region 8 Board member vacancy. The Committee recommended the Board approve the nomination of Director Katherman for the ACWA Region 8 Board Member position and adopt the resolution supporting his candidacy.

Director Katherman stated that he would also like the Board to take a position on SB 759 (Lieu). The Committee recommended the item be agendaized for the June 17 Board meeting under the President's discretion.

Mr. Johnson stated that he would handle the request received from the City of Lomita regarding contamination issues.

The next Water Resources Committee meeting is scheduled Wednesday, July 6 at 12:00 p.m.

**13. ADJOURNMENT**

With no further business for the Committee, the meeting was adjourned at 1:40 p.m.

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Chair

ATTEST:

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Member



## MEMORANDUM

### ITEM NO. 4

*Prepared by:* Paul Fu

*Reviewed by:* Ted Johnson

*Approved by:* Robb Whitaker

**DATE:** JULY 6, 2011  
**TO:** WATER RESOURCES COMMITTEE  
**FROM:** ROBB WHITAKER, GENERAL MANAGER  
**SUBJECT:** REQUEST FOR PROPOSAL (RFP) FOR FINAL DESIGN OF VANDER LANS FACILITY EXPANSION

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### SUMMARY

This item was presented to the Board of Directors on June 17, 2011 under the consent calendar with a recommendation from the Water Resources Committee to issue a RFP for final design of Vander Lans Facility expansion. The Board of Directors requested that this item be sent back to the Water Resources Committee for further discussion regarding the possibility of using a Design-Build procurement methodology for this project.

### FISCAL IMPACT

This work has been budgeted in Fiscal Year 2011-12.

### STAFF RECOMMENDATION

For discussion and possible action.



## MEMORANDUM

ITEM NO. 5

*Prepared by: Jason Weeks*

*Reviewed by: Ted Johnson*

*Approved by: Robb Whitaker*

**DATE: JULY 6, 2011**

**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 Basin and Central Basin (Plan).

As part of the development of this plan, alternative management scenarios for both basins have been developed and are currently being analyzed in further detail. Cost estimates for scenarios developed with input from West Coast Basin stakeholders have been developed and preliminary model runs have been completed. The results of these model runs are currently being further evaluated to assess their applicability for the purposes of this plan.

District staff and consultants met in late June to review and refine preliminary alternative management scenarios developed based on input received at Central Basin stakeholder workshops. Narrative describing these alternative scenarios is currently being developed in preparation for a workshop with all Central Basin stakeholders which will be scheduled for during the last week of July.

### FISCAL IMPACT

None.

### STAFF RECOMMENDATION

For information.



## MEMORANDUM

### ITEM NO.6

*Prepared by:* Ted Johnson

*Reviewed by:* Cathy Chang

*Approved by:* Robb Whitaker

**DATE:** JULY 6, 2011  
**TO:** WATER RESOURCES COMMITTEE  
**FROM:** ROBB WHITAKER, GENERAL MANAGER  
**SUBJECT:** INTERA GROUNDWATER MODELING CONTRACT AMENDMENT

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### SUMMARY

The District currently has a contract with the groundwater modeling firm Intera to perform annual modeling runs related to Los Angeles Regional Water Quality Control Board permit requirements for recycled water injection into the Dominguez Gap Barrier and the Alamitos Barrier. Intera has been performing the work very well, met all deadlines and budget targets, and developed internal procedures and protocol to make all future modeling runs more efficient to perform for the District.

Part of the contract is for yet-to-be determined modeling needs, which appear under Task 5 of the agreement as Optional Items. This category is intended to capture tasks not defined at the start of the original contract but whose needs may become apparent over the course of the contract. Staff has identified two additional tasks to be performed by Intera. They consist of updating and improving the Dominguez Gap Seawater Barrier Model and performing modeling runs associated with the Leo J. Vander Lans Facility expansion to help the District comply with Title 22 Engineering Report requirements.

Both of these efforts will require extensive additional work to enter information on pumping rates, injection rates, recycled water percentages, and predictions of recycled water plume movement through the aquifers. The Dominguez Gap Model improvements will benefit the District in demonstrating its regulatory compliance in the 5-year modeling report due to the Regional Board at the end of this calendar year. The Leo J. Vander Lans expansion model runs will facilitate the District's timely submittal of expansion plans and reports to the regulators. Intera is uniquely suited to perform this work as they are the current District consultants already performing similar tasks on both groundwater models.

### FISCAL IMPACT

WRD has budgeted \$56,000 in the current fiscal year budget for this work under project number 025150.

### STAFF RECOMMENDATION

Amend the Agreement with Intera Inc., subject to approval of form by District Counsel, for additional groundwater modeling tasks at the Dominguez Gap and Alamitos Seawater Barriers for an additional amount not to exceed \$56,000.



## MEMORANDUM

### ITEM NO.7

*Prepared by:* Ted Johnson

*Reviewed by:* Cathy Chang

*Approved by:* Robb Whitaker

**DATE: JULY 6, 2011**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: SAMPLING FOR WBMWD AT SEAWATER BARRIER WELLS**

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### SUMMARY

The West Basin Municipal Water District (WBMWD), under the Regional Water Quality Control Board's requirements for recycled water injection into the West Basin Barrier Project (WBBP), must regularly perform groundwater sampling of monitoring wells near the WBBP. Historically, they have outsourced this work to various consulting firms. However, they have recently requested WRD to consider performing this work since WRD has expertise in groundwater monitoring and regularly performs similar duties at the Dominguez Gap Barrier and the Alamitos Barrier.

The work would involve using WRD staff and equipment to sample the following eight (8) monitoring wells on a quarterly basis for the next 5 years; 9B, 14B, 17B, 17C, 690A, 703G, 735A, and 1318N. WBMWD would provide the sample bottles in advance. WRD would visit each well site, collect the samples, and deliver them to the WBMWD laboratory for analysis. WRD would be responsible for the sampling duties only and not for any chemical analysis or report writing. WRD anticipates approximately 70 hours of staff time for each quarterly round.

An agreement has been drafted by the staff from each agency and is being reviewed by legal counsel. If approved, the first sampling round would be in August 2011.

### FISCAL IMPACT

WRD has estimated the cost for this work to be approximately \$5,287.50 per quarterly round of sampling or \$21,150.00 per year. This will be a 5-year agreement. All costs for these services will be directly paid by WBMWD so that there will be no impact on WRD's Replenishment Assessment.

### STAFF RECOMMENDATION

Enter into an agreement with the West Basin Municipal Water District, subject to approval of form by District Counsel, for groundwater sampling services at the West Coast Basin Barrier Project. All costs for these services will be directly paid by WBMWD so that there will be no impact to WRD's Replenishment Assessment.



**MEMORANDUM**

**ITEM NO. 8**

*Prepared by: Jim McDavid  
Reviewed by: Ted Johnson  
Approved by: Robb Whitaker*

**DATE: JULY 6, 2011**  
**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. This partnership may be re-organized in the near future.

A meeting of the GRIP Ad-Hoc Committee was held on June 24, 2011. Staff will provide an update of that meeting and the progress of tasks assigned to staff at that time.

**FISCAL IMPACT**

None at this time.

**STAFF RECOMMENDATION**

For information.