

**SPECIAL MEETING OF THE WATER RESOURCES COMMITTEE  
OF THE BOARD OF DIRECTORS  
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA  
4040 PARAMOUNT BOULEVARD, LAKEWOOD, CALIFORNIA 90712  
1:00 P.M., TUESDAY, MARCH 16, 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. TIME EXTENSION FOR PROFESSIONAL SERVICES AGREEMENT WITH RMC WATER AND ENVIRONMENT FOR PALOS VERDES DEWATERING & GROUNDWATER REUSE STUDY**  
*Staff Recommendation:* Extend the termination date of the professional services agreement with RMC Water and Environment to June 30, 2010, with no additional cost to the District.
- 4. CONSULTANT SELECTION FOR THE PRELIMINARY DESIGN OF THE VANDER LANS FACILITY EXPANSION**  
*Staff Recommendation:* Approve award of a professional services contract with CH2M Hill, subject to approval of form by District Counsel, for an amount not to exceed \$524,900, plus a contingency of \$52,500 for a maximum authorized amount of \$577,400.
- 5. UPDATE ON GROUNDWATER BASIN AND UNTREATED TIER 1 SPREADING DELIVERY FROM CBMWD**  
*Staff Recommendation:* For information.
- 6. DIRECTORS REPORTS, INQUIRIES, REVIEW OF DIRECTIONS TO STAFF**
- 7. ADJOURNMENT**

Posted by Abigail C. Andom, Deputy Secretary, March 15, 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).



## MEMORANDUM

ITEM NO. 3

*Prepared by: Phuong Ly*

*Reviewed by: Ted Johnson*

*Approved by: Robb Whitaker*

**DATE: MARCH 16, 2010**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: TIME EXTENSION FOR PROFESSIONAL SERVICES AGREEMENT WITH RMC WATER AND ENVIRONMENT FOR PALOS VERDES DEWATERING & GROUNDWATER REUSE STUDY**

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### SUMMARY

In March 2009, the District awarded contract with RMC Water and Environment (RMC) to conduct a study of two areas of the Palos Verdes Peninsula (Abalone Cove and Malaga Cove Plaza) to assess the feasibility of diverting the drainage from these areas and piping it to nearby park sites, golf courses, etc., for irrigation purposes. At Abalone Cove, dewatering facilities are extracting groundwater from an active landslide area and discharging the water into the ocean. At the Malaga Cove Plaza area, a sub-drain system is being used to lower groundwater levels at a shopping center and surrounding residential neighborhood.

RMC prepared a Final Technical Memorandum, which discusses the study results, and presented these results to the Ad Hoc Committee on August 6, 2009. From the study, it was determined that drainage from both Abalone Cove and Malaga Cove Plaza could be used for irrigation purposes if treatment or blending is conducted to remove the high levels of total dissolved solids (TDS) in the drainage water. The calculated cost per acre feet of water if treatment systems or blending tanks are constructed are significantly higher than the current cost of purchasing potable water in the areas.

The contract or Professional Services Agreement with RMC expired on December 31, 2009, but there are remaining funds under the agreement and additional services for RMC to provide. Therefore, Staff is seeking to extend the termination date of the contract to June 30, 2010.

### FISCAL IMPACT

None.

### STAFF RECOMMENDATION

Extend the termination date of the Professional Services Agreement with RMC Water and Environment to June 30, 2010, with no additional cost to the District.



## MEMORANDUM

### ITEM NO. 4

|                     |               |
|---------------------|---------------|
| <i>Prepared by:</i> | Paul Fu       |
| <i>Reviewed by:</i> | Ted Johnson   |
| <i>Approved by:</i> | Robb Whitaker |

**DATE: MARCH 16, 2010**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: CONSULTANT SELECTION FOR THE PRELIMINARY DESIGN OF THE VANDER LANS FACILITY EXPANSION**

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### SUMMARY

Under our Water Independence Now (WIN) initiative, WRD seeks to replace all imported water demands at the barriers with advanced treated recycled water. The expansion of Vander Lans Facility from 50% to 100% recycled water at the Alamitos Barrier is part of WIN. The first step to implement the expansion project is to conduct a preliminary engineering design and environmental impact assessment.

The District's Board on December 18, 2009 approved the issuance of a Request for Proposals (RFP) for professional services for preliminary engineering design for the expansion of the Leo J. Vander Lans Water Treatment Facility. Prior to this date, the District's Technical Advisory Committee (TAC) reviewed this item and recommended the District proceed with the consultant selection process. The RFP was released on January 15, 2010 via emails and followed up by regular mailings to 40 consultants. The RFP was also posted on the District's Web site for download by any interested party.

The District conducted a pre-proposal meeting on January 26, 2010. Over 20 consulting firms attended the meeting. As of the proposal due date on February 24, 2010, WRD had received proposals from 6 different consulting firms including Black & Veatch, Carollo, CDM, CH2M HILL, Psomas, and Tetra Tech. District has assembled a proposal review panel consisting of two members from District, one from West Basin MWD, and one from Orange County Water District. The panel had reviewed the 6 submitted proposals and shortlisted 4 firms for interviews on March 10, 2010. The criteria for evaluations included understanding of the scope of work and technical approach (40%), project team and relevant experience (35%), and cost of services (25%). The final ranks and the proposed fees by the consultants are summarized in the table below.

CH2M HILL is ranked highest among the firms that have proposed. The firm has assembled a strong project team with solid experience in the design of advanced recycled water treatment facilities. CH2M HILL has also proposed an excellent technical approach to achieve the project goals. The proposal review panel recommends CH2M HILL to perform the preliminary design for expansion of the Vander Lans Facility.

| <b>Review of Proposals for Pre-design of Expansion of LVL</b> |             |                     |
|---------------------------------------------------------------|-------------|---------------------|
| <b>Name of Firm</b>                                           | <b>Rank</b> | <b>Proposed Fee</b> |
| CH2M HILL                                                     | 1           | \$524,900           |
| PSOMAS                                                        | 2           | \$629,100           |
| CDM                                                           | 3           | \$499,756           |
| CAROLLO                                                       | 4           | \$356,581           |
| BLACK & VEATCH                                                | 5           | \$775,690           |
| TETRA TECH                                                    | 6           | \$458,666           |

The scope of work for this project includes the following tasks:

- Prepare a preliminary engineering design report including analyses on waste disposal, treatment optimization, cost estimate, permit compliance requirements, and preliminary drawings and design criteria.
- Develop Title 22 Engineering Report required by the Department of Public Health.
- Prepare CEQA/NEPA compliance documents
- Analyze alternative water supply pipeline for the plant expansion

The preliminary design is expected to take 7 months to complete after the Board awards the contract.

### **FISCAL IMPACT**

The proposed fee by the consultant to perform the preliminary design is \$524,900. This program has been included in District's budget under capital improvements. A 10% contingency will be added to address unexpected needs of the effort.

### **STAFF RECOMMENDATION**

Approve award of a professional services contract with CH2M Hill, subject to approval of form by District Counsel, for an amount not to exceed \$524,900, plus a contingency of \$52,500 for a maximum authorized amount of \$577,400.



**MEMORANDUM**

**ITEM NO. 5**

|                     |               |
|---------------------|---------------|
| <i>Prepared by:</i> | Jason Weeks   |
| <i>Reviewed by:</i> | Ted Johnson   |
| <i>Approved by:</i> | Robb Whitaker |

**DATE: MARCH 16, 2010**

**TO: WATER RESOURCES COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: UPDATE ON GROUNDWATER BASIN AND UNTREATED TIER 1  
SPREADING DELIVERY FROM CBMWD**

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**SUMMARY**

District staff will provide the Committee with an update on the groundwater basin and the ongoing untreated Tier 1 spreading delivery from Central Basin Municipal Water District.

**FISCAL IMPACT**

None.

**STAFF RECOMMENDATION**

For information.