



**WEST BASIN MUNICIPAL WATER DISTRICT**  
17140 S. Avalon Blvd., Suite 210  
Carson, CA 90746

**AGENDA NO. 26**

**AUGUST 13, 2010 – Water Resources**  
Little (Chair), Gray  
**AUGUST 23, 2010 – Board Meeting**  
Prepared by: Phil Lauri  
Submitted by: Marc Serna  
Approved by: Rich Nagel

## ACTION CALENDAR

### OCEAN-WATER DESALINATION DEMONSTRATION PROJECT CONTRACT OPERATIONS

#### SUMMARY:

West Basin Municipal Water District's (West Basin) Ocean-Water Desalination Demonstration Facility (Demo Facility) is progressing towards completion with an expected commissioning to take place in mid- to late-October. United Water Services (UW) has been selected to operate the demonstration project. UW's tasks will include, but not be limited to, the following activities:

- Perform daily operations of all processes and intake/discharge systems;
- Perform required maintenance of all processes, intake/discharge systems, and supporting facilities/equipment;
- Provide weekly and monthly performance reports of process operations;
- Order and procure materials, chemicals, and miscellaneous equipment;
- Coordinate vendor and contractor warranty and servicing issues;
- Perform routine water quality sampling and coordinate supporting outside lab activities;
- Coordinate utility troubleshooting and resolution;
- Coordinate facility and site issues with SEA Lab management;
- Develop and maintain safety program and protocols;
- Facilitate technical tour groups at the request of West Basin; and
- Attend weekly project meetings with staff and supporting consulting teams.

UW will provide operations of the Demo Facility Monday through Friday, 12 hours per day, and 8 hours per day on Saturday and Sunday. During the non-staffed 12-hour period, UW will monitor the Demo Facility from the Edward C. Little Water Recycling Facility (ECLWRF) control room and engage on-call maintenance staff on an as-needed basis. To ensure consistent and reliable operations for this operational scenario, UW will have three full-time staff and one part-time staff members. The full-time staff will consist of one supervising engineer, an operator, and an operator/maintenance staff member. The part-time operator will be used to cover the regular full-time staff member's days off, vacation time, and assist with water quality sampling and other specialized facility maintenance. The full-time operations staff will be dedicated to the Demo Facility for the duration of the project and the part-time staff member will be rotated from ECLWRF.

The budget for operations of the Demo Facility is detailed as follows:

Activity	Costs			Total
	FY 10-11	FY 11-12	FY 12-13	
Labor	\$525,600	\$626,500	\$319,800	<b>\$1,471,900</b>
Maintenance	\$153,600	\$188,800	\$96,700	<b>\$439,100</b>
Chemicals	\$100,000	\$123,600	\$96,700	<b>\$287,300</b>
Administrative	\$50,700	\$46,600	\$24,500	<b>\$121,900</b>
Management	\$50,300	\$36,700	\$20,100	<b>\$107,100</b>
<b>Total</b>	<b>\$880,200</b>	<b>\$1,022,200</b>	<b>\$524,800</b>	<b>\$2,427,200</b>

The proposed budget is based upon the same rates, profit, and overhead structure previously negotiated for the existing agreement between UW and West Basin for operations of ECLWRF. The contractual terms of the demo operations agreement will remain the same as the aforementioned existing agreement with only the scope elements modified to meet the specific operational and maintenance objectives of the Demo Facility.

UW has been actively involved in attending the construction project meetings and facility startup meetings to provide input to unforeseen operational issues that can be resolved during the construction process. UW is scheduled to be involved full-time in the facility startup/operations of the Demo Facility at the beginning of September to ensure a seamless integration and transition between the construction and operational phases of work. UW is scheduled to operate and maintain the Demo Facility through December 2012.

STRATEGIC BUSINESS PLAN IMPLEMENTATION:

Goal 1: Water Reliability – West Basin is committed to innovative planning and investments to provide water supply reliability and drought protection.

Goal 2: Water Quality – West Basin is committed to providing safe, high quality water by meeting current and anticipated water quality requirements.

Goal 5: Environmental Stewardship – West Basin is committed to sustainable and environmentally-friendly business practices.

FISCAL IMPACTS:

Funds for this project are included in the Fiscal Year 2010-11 Ocean-Water Desalination Capital Improvement Budget.

ENVIRONMENTAL COMPLIANCE:

None.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on August 13, 2010 and recommended for approval at the August 23, 2010 Board meeting.

RECOMMENDED MOTION:

That the Board authorizes the General Manager to execute an agreement with United Water Services for the operations of West Basin's Ocean Water Desalination Demonstration Project for an amount of \$2,427,200.

LIST OF EXHIBITS:

None.

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