



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

**AGENDA NO. 27**

**AUGUST 13, 2010 – Water Resources**  
Little (Chair), Gray  
**AUGUST 23, 2010 – Board Meeting**  
Prepared by: Roni Young  
Submitted by: Wyatt Won  
Approved by: Rich Nagel

## ACTION CALENDAR

### SLUDGE HAULING AND BENEFICIAL REUSE AT THE EDWARD C. LITTLE WATER RECYCLING FACILITY

#### SUMMARY:

For calendar year 2009, West Basin Municipal Water District (West Basin) generated approximately 13,600 tons of dewatered sludge at the Edward C. Little Water Recycling Facility (ECLWRF). The majority of the sludge is from the ferric chloride used as a coagulant in the high-rate clarifiers and lime that is added prior to the plate and frame presses to aid in the dewatering process. West Basin tests the sludge quarterly for metals and semi-annually for organic compounds to determine if it contains harmful levels of these constituents. Historically, levels of all tested constituents have met regulatory limits. The results are reported to the Regional Water Quality Control Board. In addition, Terra Renewal, formerly Fleet Transportation Services (West Basin's current sludge hauler), and the reuse sites conduct their own periodic tests of the delivered sludge.

The current contract with Terra Renewal will expire on September 16, 2010. Staff issued a "Request for Proposals" (RFP) for a two-year contract on June 8, 2010 and the proposals were due on July 16, 2010. Six proposals were received in response to the RFP. A panel consisting of three staff and one United Water Services staff reviewed the proposals. The proposals were scored based on proposal completeness, the sludge hauler's beneficial reuse plan, firm and project team qualifications, and experiences in similar projects and costs. A summary of the evaluation matrix is attached in Exhibit "A."

The panel recommends Terra Renewal. Although all six firms are qualified, the panel rated Terra Renewal higher than the other firms as indicated below:

- Very strong in terms of specific relevant experience;
- Knowledgeable of West Basin's and United Water's operational processes and issues; and
- Presented a very practical and solid approach to the beneficial reuse of sludge.

West Basin is currently paying Terra Renewal \$45.50 per ton for sludge hauling and beneficial reuse. Terra Renewal proposes \$39.90 per ton under the new contract.

#### 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 4: Sound Financial and Resources Management – West Basin is committed to efficient business operations, financial planning and asset management.

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

FISCAL IMPACTS:

Funds are available in the Fiscal Year 2010-11 Operations and Maintenance Budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

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 enter into a two-year agreement with Terra Renewal Services for Sludge Hauling and Beneficial Reuse in the amount of \$1,676,000, plus a 10% contingency, for a total contract amount not-to-exceed \$1,843,600.

LIST OF EXHIBITS:

Exhibit "A" – Sludge Hauling and Beneficial Reuse Evaluation Matrix