



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

AGENDA NO. 20

AUGUST 13, 2010 – Water Resources

Little (Chair), Gray

AUGUST 23, 2010 – Board Meeting

Prepared by: Christiana Daisy

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Approved by: Rich Nagel

CONSENT CALENDAR

FERRIC DEMONSTRATION TEST AT THE SECONDARY CLARIFIERS AT THE HYPERION WASTEWATER TREATMENT PLANT

SUMMARY:

West Basin Municipal Water District (West Basin) purchases secondary effluent from the City of Los Angeles' Hyperion Treatment Plant (Hyperion) and further treats the secondary effluent to meet its customers needs. West Basin and the City of Los Angeles (City) have conducted bench scale tests on the ferric chloride and ferric sulfate addition to the secondary clarifier influent. Test results indicate significant total suspended solids reduction at a dosage of around 13 to 15 parts per million (ppm) of ferric chloride and 6.5 to 7.5 ppm of ferric sulfate. West Basin and the City would like to conduct a full-scale demonstration test by adding ferric chloride/ferric sulfate to selected secondary clarifiers (up to four) at Hyperion to see if the results will be similar at full-scale. The goal of this test is to evaluate the operational and water quality effects of adding ferric chloride/ferric sulfate to targeted secondary clarifiers at Hyperion. The test is expected to run three months.

In August 2009, the Board approved selecting Lee and Ro, Inc. to conduct the design of the ferric demonstration facility. Lee and Ro completed the design of the demonstration facility and staff will issue a "Request for Bids" (RFB) in August 2010 for a contractor to construct the demonstration facility. Furthermore, staff has closely coordinated the design of this facility with City staff which has resulted in a Memorandum of Understanding (MOU) between the two agencies as to each agency's respective responsibilities. Listed below are the project milestones:

- August 2010 Issue RFB
- September 2010 Bid due date
- September 2010 Board approval of contractor selection and signing of MOU
- September 2010 Issue Notice to Proceed
- November 2010 Commission Demonstration Test
- February 2011 Decommission Demonstration Test

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.

FISCAL IMPACTS:

Funds are available in the Fiscal Year 2010-11 Capital Improvement Budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on August 13, 2010 and agendized to the August 23, 2010 Board meeting Consent Calendar.

RECOMMENDED MOTION:

This item is for information only.

LIST OF EXHIBITS:

None.

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