



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

AGENDA NO. 29

DECEMBER 7, 2010 – Water Resources
Little (Chair), Gray

DECEMBER 20, 2010 – Board Meeting
Prepared by: Don Zylstra
Submitted by: Marc Serna
Approved by: Rich Nagel

ACTION CALENDAR

NRG RECYCLED AND POTABLE WATER CONVEYANCE PIPELINES

SUMMARY:

Staff has worked closely with NRG Energy (NRG), operating El Segundo Energy Center (ESEC), to provide recycled water for industrial use at ESEC located at 301 Vista Del Mar, El Segundo, California. A major component of supplying NRG with recycled water is the design and construction of a recycled water conveyance pipeline within the City of El Segundo (City). In addition, a dedicated potable water fireline will be designed and constructed concurrently with the recycled water pipeline. All design costs will be recovered through West Basin’s agreement with NRG.

West Basin Municipal Water District’s (West Basin) scope to serve NRG includes the following:

1. Provide flows up to 468,000 gallons per day of single-pass reverse osmosis (RO) recycled water from the Edward C. Little Water Recycling Facility (ECLWRF) through an existing single pass RO pipeline system and;
2. Construct a 10-inch diameter recycled water pipeline to convey RO water to meet industrial demands. This pipeline will be designed, constructed, owned and maintained by West Basin, and;
3. Construct a 14-inch diameter potable water pipeline to convey 2,500 gallons per minute of fire flow demands. This pipeline will be designed and constructed by West Basin, but turned over to the City for operation and maintenance.

The pipeline project begins in the City of El Segundo and runs through a portion of the City of Los Angeles near the beach and terminates at the NRG facility. NRG has recently obtained permits from both the California Energy Commission and the Air Quality Management District that now allows them to proceed with this project and requires the use of recycled water in their project. This project is scheduled to be constructed and operational by February 28, 2013.

Design Consultant Selection

West Basin solicited design proposals in September 2010. Over 30 consulting firms attended a mandatory pre-proposal meeting and a total of 10 proposals were received from qualified pipeline design consultants. A total of three consultant teams were short-listed for further evaluation and interviewed on December 1. Base on these evaluations as shown in Exhibit 1, Staff recommends that a contract award be presented to AECOM for design of the NRG pipelines.

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 3: Customer Service – West Basin is committed to providing value by understanding and meeting the needs of our customers and the communities we serve.

FISCAL IMPACTS:

Funds for the NRG Recycled and Potable Water Conveyance Pipelines will be covered under financial agreement with NRG.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on December 7, 2010 and recommended for approval at the December 20, 2010 Board meeting.

RECOMMENDED MOTION:

That the Board authorizes the General Manager to enter into a contract with AECOM for an amount of \$612,410, plus a 10% contingency of \$61,241, for a not-to-exceed contract amount of \$673,651.

LIST OF EXHIBITS:

Exhibit "A" – Summary of Evaluations

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