



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

**AGENDA NO. 11C**

**JULY 16, 2009 – Water Resources**

Little (Chair), Gray

**JULY 27, 2009 – Board Meeting**

Prepared by: Phil Lauri

Submitted by: Marc Serna

Approved by: Rich Nagel

## ACTION CALENDAR

OCEAN-WATER DESALINATION UPDATE  
DEMONSTRATION PROJECT  
MEMBRANE PROCESSES CONSTRUCTION SUPPORT SERVICES

### SUMMARY:

West Basin Municipal Water District's (West Basin) Demonstration Project is progressing through its final phases of regulatory permitting. A "Notice Inviting Bids" for the construction of the Demonstration Project was released on June 8, 2009 with bids scheduled to be submitted no later than July 24, 2009 at 2:00 p.m. It is anticipated that construction will begin in early September.

As part of the construction process, West Basin will need to hire the professional services of a membrane processes support team to oversee the complex instrumentation and process equipment installation activities at the site and to represent West Basin's interest during construction of the project. Separation Processes Inc. (SPI) was originally selected to provide the membrane process planning/feasibility assessment and design of West Basin's Demonstration Project. SPI has been an integral part of the demonstration project in providing the design of the pre-treatment and desalination processes and supporting systems. SPI's Scope of Work for the construction phase of the Demonstration Project will include, but not be limited to, the review of complex pre-treatment and desalination process equipment submittals, attendance at project meetings, responding to contractor's requests for information/clarification, and assistance in resolving unforeseen process and control conflicts that arise in the field during construction as related to the design of the desalination process. SPI has been instrumental in West Basin's Ocean-Water Desalination Program since its inception, thus, their continued participation provides tremendous value to West Basin as we progress through the construction of the Demonstration Project. SPI has performed very well through the first two phases of work. In order to provide consistency through each phase of work from the conceptual planning stages all the way through design, construction, and ultimately operations, staff recommends keeping the same professional services consultant and amending the contract with SPI in the amount of \$119,040.

### STRATEGIC BUSINESS PLAN IMPLEMENTATION:

Goal 1, Reliability – Maintain a level of local water reliability that supports the regional economy, our community and customer agency needs.

Goal 7, Infrastructure – Manage infrastructure to ensure reliability, manage risk, and maximize the useful life of facilities.

COMMITMENT STATEMENT:

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

FISCAL IMPACTS:

Funds for this project are included in the Fiscal Year 2009-10 Ocean-Water Desalination Capital Budget.

ENVIRONMENTAL COMPLIANCE:

None.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on July 16, 2009 and recommended for approval at the July 27, 2009 Board meeting.

RECOMMENDED MOTION:

That the Board authorizes the General Manager to amend SPI's contract #W1781 to perform the Phase C membrane processes construction support services for the Ocean-Water Desalination Demonstration Project at the SEA Lab Facility in Redondo Beach for an amount of \$119,040 plus a 10% contingency for a total not-to-exceed contract amount of \$130,944.

LIST OF EXHIBITS:

None.