



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

AGENDA NO. _____

JANUARY 15, 2009 – Water Resources
Smith (Chair), Little
JANUARY 26, 2009 – Board Meeting
Prepared by: Christiana Daisy
Submitted by: Wyatt Won
Approved by: Rich Nagel

ACTION CALENDAR

ULTRA-VIOLET REPLACEMENT LAMPS

SUMMARY:

As part of the Regional Water Quality Control Board permit to expand the West Coast Barrier (Barrier), West Basin is required to use ultra-violet (UV) light to disinfect and destroy Nitrosodimethylamine (NDMA), a contaminant of concern, in the recycled water prior to injection. Part of the Phase IV Expansion was to add 12.5 mgd of UV treatment capacity. UV treatment facilities consist of three trains of four stainless steel reactors that house almost 300 UV lamps. Each lamp has a warranted life of 12,000 hours. The UV lamps were replaced last fall and are approaching their 12,000 hour limit and need to be replaced.

Trojan, the manufacturer of the UV units, was selected after evaluation of its life cycle costs when compared to other qualified manufacturers. Part of the proposal was to guarantee the performance and price of replacement lamps for 25 years. The guaranteed price was \$100 per lamp with an allowance to increase the price based on the consumer price index. West Basin must use lamps provided by Trojan, otherwise a lamp from another manufacturer would:

- invalidate the disinfection guarantee;
- void the ballast warranty; and
- preclude Trojan from coming out to service the UV units.

Trojan has identified the cost per lamp as \$113.84. The cost for 800 lamps will be \$91,072 plus disposal of old lamps, tax and shipping for a total amount of \$98,773.57.

STRATEGIC BUSINESS PLAN IMPLEMENTATION:

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

COMMITMENT STATEMENT:

Sound Financial and Resource Management – West Basin is committed to efficient business operations, financial planning and asset management.

FISCAL IMPACTS:

Funds are included in the Fiscal Year 2008-09 Water Recycling Operations Budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on January 15, 2009 and was recommended for approval at the January 26, 2009 Board meeting.

RECOMMENDED MOTION:

That the Board authorizes the General Manager to enter into an agreement with Trojan for the purchase of 800 replacement UV lamps in an amount not-to-exceed \$98,773.57.

EXHIBITS:

None.