



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

AGENDA NO. 23

SEPTEMBER 10, 2010 – Water Resources
Little (Chair), Gray
SEPTEMBER 27, 2010 – 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 Basin Barrier (Barrier) process, West Basin Municipal Water District (West Basin) is required to use ultra-violet (UV) light to disinfect and destroy NDMA, a contaminant of concern, in the recycled water prior to injection. Part of the Phase IV expansion was to add 12.5 million gallons per day (mgd) of UV treatment capacity. UV treatment facilities consist of three trains of four stainless steel reactors that house almost 300 UV lamps per reactor. Each lamp has a certified life of 12,000 hours. The UV lamps were replaced January 2009 and are approaching their 12,000 hour certified 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 in 2004 was \$100 per lamp with an allowance to increase the price based on the consumer price index (CPI). Based on CPI, the current price for the UV lamps is \$115.89 per lamp. This will be a sole source procurement as Trojan is the only supplier of the UV lamps. The lamps are patented and using another supplier would void the performance warranty. A total of 900 replacement lamps are needed costing \$104,301. Total cost including shipping and sales tax is \$114,928.13.

STRATEGIC BUSINESS PLAN IMPLEMENTATION:

Goal 2: Water Quality – West Basin is committed to providing safe, high quality water by meeting current and anticipated water quality requirements.

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

FISCAL IMPACTS:

Funds are included in the Fiscal Year 2010 -11 Operations Budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on September 10, 2010 and recommended for approval at the September 27, 2010 Board meeting.

RECOMMENDED MOTION:

That the Board authorizes the General Manager to purchase 900 replacement UV lamps from Trojan for an amount not-to-exceed \$114,928.13.

LIST OF EXHIBITS:

None.

w:\westbasinboard\wbmwd\september2010\10sep011