



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

**AGENDA NO.** \_\_\_\_\_

**APRIL 16, 2009 – Water Resources**

Little (Chair), Gray

**APRIL 27, 2009 – Board Meeting**

Prepared by: Christiana Daisy

Submitted by: Wyatt Won

Approved by: Rich Nagel

## ACTION CALENDAR

### SERVICE CONNECTION WB-28 METER MODIFICATIONS

#### SUMMARY:

Potable water delivered through Metropolitan Water District (MWD) Service Connection WB-28 serves both the West Coast Basin Barrier (Barrier) and the City of El Segundo (City). This service connection has been in place since 1962 and originally had a capacity of 160 cubic feet per second (cfs). Because both the City and the Barrier have shifted much of its water supply from potable to recycled water, this service connection is now too large, resulting in low-flow penalties.

According to MWD's Administrative Code, flows less than 10% of the meter capacity are charged a penalty because flow measurement is inaccurate at those low-flows. Flows at less than 10% of the meter capacity are charged at 10% of the meter capacity. In 2004, West Basin Municipal Water District (West Basin) was assessed low-flow penalties at WB-28 in part because of increased recycled water use at the Barrier. In 2005, MWD granted a temporary re-rating of the meter to 75/cfs to substantially reduce the low-flow penalty threshold. Because of anticipated increased use of recycled water at the Barrier, the Board agreed in 2005 to fund modifications at WB-28 to install a smaller meter, 20/cfs, to further reduce the low-flow penalty threshold. The cost estimate to install a smaller meter and appurtenant facilities was \$725,000 in 2005 and was to be completed by MWD because work involved MWD facilities.

Since that time, MWD has been working on the design modifications. West Basin has paid MWD \$550,340 of the \$725,000 to-date for the design. MWD is now estimating the project will cost about \$1,040,000 based on the final design. The reasons for the increase are:

- MWD had to work through several circumstances, especially with regard to coordinating with the local cities about traffic control, staging areas, and work hours;
- A change in design concept to make sure the modifications were constructible;
- Inflation; and
- Infrastructure improvements in the City of El Segundo.

Staff has been coordinating the connection shutdown to do this work with its member agencies to minimize any impacts to their customers. During the actual shutdown, MWD's construction crews will be working 24 hours a day. Construction is scheduled to proceed in the following manner:

- Mobilization and grading – April 13-16
- Installation of meter and configure piping – April 20-30

- Shutdown – May 4 (midnight on the 3rd)-10 (midnight)
- May 11-15 Demobilize

Staff is currently working with MWD to determine how much credit can be issued towards the penalties that were incurred.

Staff believes the new smaller meter is still required to avoid low flow penalties as we move toward 100% recycled water to the Barrier.

STRATEGIC BUSINESS PLAN IMPLEMENTATION:

Goal 5, Customer/Community Services – Provide for the needs of our customer agencies and the communities we serve in a way that reflects their needs.

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

COMMITMENT STATEMENT:

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 are included in the Fiscal Year 2008-09 Operating Designated Fund but will be recorded as a non-operating expense.

ENVIRONMENTAL COMPLIANCE:

Environmental documentation will be completed by West Basin.

COMMITTEE STATUS:

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

RECOMMENDED MOTION:

That the Board authorizes the General Manager to continue with Service Connection WB-28 meter modifications and to increase the maximum amount payable to MWD from \$725,000 to \$1,040,000.

LIST OF EXHIBITS:

None.