



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

**AGENDA NO. 26**

**OCTOBER 16, 2008 – Water Resources**  
Smith (Chair), Little  
**OCTOBER 27, 2008 – Board Meeting**  
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Submitted by: Marc Serna  
Approved by: Rich Nagel

## INFORMATION CALENDAR

### HARBOR/SOUTH BAY PROJECT UPDATE

#### SUMMARY:

In 2001, the Federal Government authorized \$35 million for the Harbor/South Bay Water Recycling Project (Harbor/South Bay). This Project provided West Basin with the opportunity to work with the U.S. Army Corps of Engineers (Army Corps) to implement new recycled water infrastructure and expand recycled water use within the region. Since the Project's initiation, over \$25 million has been utilized for the design and construction of several major recycled water conveyance pipelines. Most recently, two pipeline laterals, Anza and Imperial Laterals, were awarded in September 2008 for construction in the amount of \$4.83 million, bringing the total amount to date of spent or obligated funding to nearly \$30 million. Staff continues to work closely with the Army Corps and Federal government officials to implement recycled water projects and secure additional appropriations each year. The following is a summary of recent Project activities.

#### **Appropriations to Date**

Total appropriations from the Federal government through Federal Fiscal Year 2008 equal \$26,308,000. West Basin has contributed a total of \$7,824,333 to date, which represents the 25% contractual project share. As of September 30, 2008, total current available funds for upcoming Harbor/South Bay projects equal approximately \$1,000,000. For the upcoming 2009 Federal Fiscal Year, Congressional Budgets have identified \$1,750,000 in the House and \$3,000,000 in the Senate. A summary table showing the funding status for the Harbor/South Bay Project is attached as Exhibit "A."

#### **Recently Completed Projects in 2008**

Ashwood Park Lateral: Construction of the Ashwood Park Lateral within the City of Inglewood was completed in August 2008. The Ashwood Park Lateral will provide recycled water for landscape irrigation usage within the City of Inglewood to Ashwood Park and Caltrans landscape areas along the 405 Freeway. The Project consisted of over 2,200 feet of 4-inch diameter PVC recycled water pipeline. Design was completed under West Basin's Water Recycling Expansion Program contract and constructed by the Army Corps. West Basin provided both construction oversight and construction outreach services as part of the project implementation.

Corporate Campus El Segundo Lateral: Construction of the Corporate Campus El Segundo Lateral was completed in June 2008. The new pipeline lateral will deliver over 320 acre-feet per year of recycled water to the newly developed Corporate Campus and Equinix Data Center, both located in the City of El Segundo. The Project consisted of over 4,000 feet of 8-

inch diameter PVC recycled water pipeline. Design was completed under West Basin's Water Recycling Expansion Program contract. West Basin also coordinated the Construction Awareness Program that worked closely with City businesses during the construction effort.

### **Current Projects**

Anza Avenue Lateral (Phase I) and Torrance Booster Pump Station: The Anza Avenue Lateral (Phase I) will be constructed in the City of Torrance to provide recycled water for landscape irrigation usage to Entradero, Victor, and Paradise Parks; Victor and Anza Elementary Schools; West Torrance High School; Jefferson Middle School; and potentially St. James Catholic School. The Project consists of 14,500 lineal feet of 4-, 6-, and 8-inch diameter recycled water pipeline. The engineering design was performed by DBE Psomas under West Basin's Water Recycling Expansion Program design contract and construction is funded by the Army Corps. West Basin will provide Construction Oversight and Construction Awareness services. The Army Corps awarded the pipeline construction contract on September 30, 2008 in the amount of \$3,230,700 to CJW Construction, an 8A certified small business contractor. Construction is anticipated to start early in 2009.

In addition to the required pipeline lateral, a booster pump station and disinfection facility will be required in order to provide adequate pressure and water quality to various customer sites that operate older irrigation systems requiring higher system pressure to function properly. West Basin staff has worked closely with the City of Torrance to identify a pump station site that is proposed at a vacant lot located near the intersection of Flagler Lane and Beryl Street within the City of Torrance. The Torrance Booster Pump Station will be designed under the Harbor/South Bay Project design services contract and constructed by West Basin utilizing funding from Cal Water Services. Funding from Cal Water would be obtained under an existing agreement that allows West Basin to construct up to \$2 million in recycled water conveyance capital facilities, which will ultimately be owned by Cal Water.

Imperial Avenue Lateral: The Imperial Avenue Lateral will be constructed in the City of El Segundo to provide recycled water for landscape irrigation usage to a greenbelt/park along Imperial Avenue. The proposed Project will also provide future connection for City of Los Angeles Department of Water and Power's recycled water system. The Project consists of 4,700 lineal feet of 6-inch diameter recycled water pipeline. The engineering design was performed by TetraTech under West Basin's Water Recycling Expansion Program; design contract and construction will be performed by the Army Corps. West Basin will provide construction oversight and construction awareness services. The Army Corps awarded the pipeline construction contract on September 30, 2008 in the amount of \$1,599,912 to Marcon Engineering Construction, an 8A certified small business contractor. Construction is anticipated to start early 2009.

### **Planned Projects**

Dominguez Street Lateral: The proposed Dominguez Street Lateral would be constructed within the City of Carson to serve one primary user, Texollini, for up to 330 acre-feet per year of industrial recycled water use. The Lateral Project would consist of potentially 10,000 feet of 12- to 16-inch diameter pipeline extending east from the existing 42-inch diameter mainline in Wilmington Avenue through Dominguez Street, crossing the Alameda Corridor. Pipeline

design would be performed either under West Basin's Water Recycling Program design contract or by the Army Corps. Construction would likely be performed by the Army Corps.

Anza Avenue Lateral (Phase II): The Anza Avenue Lateral (Phase II) is the extension of the Phase I Anza Lateral that was recently awarded for construction by the Army Corps. Phase II would include construction of the remaining lower half of originally planned pipeline alignment within Anza Avenue in order to serve planned and recently added City customers beginning south of Carson Street, extending south, and terminating at South Torrance High School. Phase II would be constructed once adequate funding is obtained under the Harbor/South Bay Project, customer agreements are established, and project economics are confirmed feasible. Proposed customers include South Torrance High School; Calle Mayor, Arnold, Seaside, and Richardson Elementary Schools; Lomita Park Extension; Lomita Boulevard Median; Bishop Montgomery School and Retention Basin; Ocean Basin; and Sea Aire Golf Course.

Carson Mall Lateral: The Carson Mall Lateral Project includes the design and construction of approximately 1,500 feet of 6-inch diameter recycled water pipeline from West Basin's existing 42-inch diameter mainline alongside the Dominguez Channel from Main Street and extending to the planned Carson Redevelopment Center. The Carson Redevelopment Center (also called The Boulevards at South Bay) includes a 168-acre development project and provides for a potential mix of approximately two (2) million square feet of commercial, retail and entertainment uses, a 300-room hotel, and up to 1,550 residential units. Recycled water will serve irrigated landscape of the 168-acre site. This site is anticipated to use over 20 acre-feet per year of recycled water. The Dominguez Golf Course would also likely be served from this Project, which accounts for over 60 acre-feet per year of demand. The Carson Mall Lateral would need to be added to the Army Corps environmental document prior to construction. Pipeline design would likely be performed under West Basin's Water Recycling Program design contract and constructed by the Army Corps.

Palos Verdes Project Lateral – Project Lateral 6B: The Palos Verdes Project Lateral (Lateral 6B) is part of a regional transmission pipeline system that would convey up to 1,000 acre-feet per year of recycled water to the Palos Verdes Peninsula and the City of Torrance. A segment of this major transmission pipeline (Madrona Lateral 6A) has already been constructed within the City of Torrance through West Basin's Harbor/South Bay Project. Recent setbacks in Federal government funding have significantly impacted funding sources to West Basin's Harbor/South Bay Project. These setbacks have significantly reduced annual appropriations to local Army Corps programs such as the Harbor/South Bay Project. For these reasons, originally planned funding sources for the Palos Verdes Lateral, which would require an estimated funding requirement of \$20 million, have not materialized, making the construction of this Project economically unfeasible until adequate funding can be secured. It is expected that funding can still be accomplished through a major regional recycled water project that would be coupled with the Palos Verdes Lateral, making the project economically feasible. Until that time, the Palos Verdes Lateral is on hold until funding issues can be resolved.

#### 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:

Funding for design of several upcoming Project Laterals will likely be performed under the Recycled Water System Expansion Program. These design costs have been included in the Capital Improvement Budget for Fiscal Year 2008-09. Construction Awareness Program Consulting and Construction Inspection Services to be provided by West Basin have also been included in the Capital Improvement Budget for Fiscal Year 2008-09. Construction of the Imperial Avenue and Anza Laterals are being performed by the Army Corps under the Harbor/South Bay Project using funds already forwarded by West Basin.

ENVIRONMENTAL COMPLIANCE:

The environmental compliance documentation for the recycled water pipelines included in the Harbor/South Bay Water Recycling Project is performed by the Army Corps. Other than the Carson Mall Lateral, all necessary environmental documentation has been completed.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on October 16, 2008 and agendized to the October 27, 2008 Board meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.

LIST OF EXHIBITS:

Exhibit "A" – Funding Status as of October 1, 2008