

**WEST BASIN MUNICIPAL WATER DISTRICT**

**MARCH 3, 2004 - Water Resources**

McDonald, Little

**MARCH 22, 2004 - Board Meeting**

Prepared by: Marc Serna

Submitted by: Paul Shoenberger

Approved by: Darryl G. Miller

INFORMATION CALENDAR

HARBOR/SOUTH BAY WATER RECYCLING PROJECT UPDATE

SUMMARY:

The following is a summary of the current funding, projects completed to date, and proposed Projects to be completed as part of the overall Harbor/South Bay Water Recycling Project.

**Authorized Funding**

In FY 1999, \$15 million was authorized by the Federal Government for implementation of the Harbor/South Bay Project as part of the Water Resources Development Act of 1999. An additional \$20 million was authorized in FY 2001 through the Omnibus Appropriations Bill for a total Project Federal Funding of \$35 million. The \$35 million represents the Federal Government's 75% share of the overall Harbor/South Bay Project estimated cost, as summarized below.

Federal Share (75%)=	\$35.0 million
West and Central Basin Share (25%)=	<u>\$11.7 million</u>
Authorized Project Cost=	\$46.7 million

**Appropriated Funding to Date**

Each year since FY 2001, Congress has appropriated funds for use on the Harbor/South Bay Project. Out of the \$35 million in federally authorized funds available for the Harbor/South Bay Project, \$17.5 million has been appropriated to date. The annual Congressional appropriations are shown below.

FY 2001 =	\$2.0 million
FY 2002 =	\$5.0 million
FY 2003 =	\$6.0 million
FY 2004 =	<u>\$4.5 million</u>
<b>TOTAL =</b>	<b>\$17.5 million</b>

**District's Share of Funding**

A breakdown of the District's share of existing and projected funding values through FY2004 is shown below.

	<b>Approved Through FY 2003</b>	<b>Proposed Through FY 2004</b>
Federal Appropriation =	\$13,000,000	\$17,500,000
West and Central Basin Share =	<u>\$ 4,334,000</u>	<u>\$ 5,834,000</u>
Total Project Funding	\$17,334,000	\$23,334,000

**Construction Projects Completed**

Two pipeline lateral projects have been constructed under the Harbor/South Bay Project. Both the Victoria Lateral (Lateral II) and the Cal State University Dominguez Hills (CSUDH) Mainline (Lateral IIIA) were designed by consultants contracted by West Basin. The design plans were then formatted to Corps of Engineer standards and bid out for construction by the Corps.

The Victoria Lateral is the primary pipeline feed off the District's 42-inch diameter Carson Main and is the connecting lateral to the CSUDH Mainline. The Victoria Lateral Project extends primarily along Avalon Boulevard in the City of Carson and included construction of a major tie-in facility off the existing 42-inch diameter Carson Mainline, 6300 feet of 30-, 24-, and 16-inch diameter steel pipeline, and 900 feet of 12-inch diameter PVC pipeline. The CSUDH Mainline extends from Avalon Boulevard, through the newly constructed Home Depot Center at CSUDH, to Victoria Street just west of Central Avenue. The CSUDH Mainline consists of 6,400 feet of 24-inch diameter steel pipeline and 1,000 feet of 12-inch diameter PVC pipeline. Customers served (or to be served in the immediate future) include medians along Avalon Boulevard, the Victoria Regional Golf Course, Victoria Regional Park, the Home Depot Center, and CSUDH.

- Victoria Lateral (Completed September 2003)
  - 1.3 Miles Transmission Pipeline
  - \$3.2 Million Construction
- CSUDH Mainline (Completed April 2003)
  - 1.4 Miles Transmission Pipeline
  - \$2.0 Million Construction

### **Design Projects Completed**

The Corps of Engineers has contracted with Tetrattech Consulting to perform pre-design and design services for the Madrona Lateral (Lateral 6A). The Madrona Lateral will potentially serve numerous customers throughout the City of Torrance, including City Hall, the City Yard, schools, parks, and the Madrona Marsh. The Madrona Lateral is also intended to act as the primary feed to the future Palos Verdes Extension Lateral, which will convey recycled water southerly to the Palos Verdes Peninsula to serve various major customers, including three (3) golf courses, several parks, medians, and a cemetery.

The Madrona Lateral alignment was presented to City Council and well received by residences and City staff. Portions of the Madrona Lateral may be segmented into separate construction contracts in order to better address scheduling, customer requirements, and economics.

- Madrona Lateral Design (95% Complete)
  - Covers 4.5 Miles of Pipeline Facility Design
  - \$8.0 Million Estimated Construction Cost

### **Environmental Documentation**

A comprehensive Environmental Assessment (EA) was prepared by the Corps of Engineers, which evaluated all 13 remaining Project Laterals identified under the Harbor/South Bay Project. The document was completed in order to comply with Federal (NEPA) and State (CEQA) environmental requirements for construction of recycled water facilities and identifies the impacts associated with the expansion of the District's recycled water system. A Finding of No Significant Impact (FONSI) was prepared for the overall Project.

- Environmental Assessment Completed
  - Over \$50 Million in Project Lateral Construction Cost
  - 13 Projects including Pipeline, Pumping and Storage Facilities
  - Provides both NEPA and CEQA requirements for all Project Laterals

### **Projects in the Works**

- Madrona Lateral Construction (Construction anticipated for June 2004)
- Dye House Lateral Design (Design completion anticipated for September 2004)
- Various Project Lateral Designs (Current COE contract with AKM for Lateral design)
- Construction Management Services (COE currently in Request for Proposal process)
- Engineering/Administration (Ongoing)

### **Project Schedule**

A Project Schedule is attached as Exhibit "A". The Schedule identifies the anticipated timing of design and construction efforts for each of the Harbor/South Bay Project Laterals. The Schedule is a working document that is modified as required to address changes in customer demands, customer commitments, and overall Project economics.

### **FISCAL IMPACTS:**

Funding for this Project is included in the Capital Improvements Project Budget.

### **ENVIRONMENTAL COMPLIANCE:**

None.

### **COMMITTEE STATUS:**

This item was reviewed by the Water Resources Committee on March 3, 2004 and agendaized to the March 22, 2004 Board meeting as information for discussion.

### **RECOMMENDED MOTION:**

This item is for information only.

### **EXHIBITS:**

Exhibit "A" - Project Schedule