

- **Board of Directors**
Engineering and Operations Committee

April 11, 2000 Board Meeting

10-1

Subject

Diamond Valley Lake Project Status Report for February 2000

Description

The West Dam, East Dam, Secondary Inlet, North Rim and Inland Feeder Pressure Control Structure contracts are complete.

Two major construction contracts remain underway. At the I/O Tower, contractor Atkinson-Washington-Zachry, is completing installation of the fish screens, is test-loading the gantry crane, and completing miscellaneous electrical and mechanical work. Contract is expected to complete in March. The Pumping Plant contractor, Advanco Constructors (now acquired by J. F. Shea Co. Inc.), is completing work in the chlorinating facility, fine-grading and paving the site roads and parking lot, completing punch list items, and testing and starting-up the CFE equipment. This work is expected to complete in late March or early April. Projected total costs are within the revised project budget of \$2,087.1 million, approved by the Board in July 1999. Current project information reflecting total budget and schedule summaries is attached.

The Tank Saddle Cut-off and Signal Spillway contractor, J. F. Shea Co. Inc., is proceeding well. Work is 41 percent complete. The cutoff wall panels were completed in early February. Grouting is proceeding with three, eight-hour shifts. On the signal spillway, reinforced concrete pipe has been placed, and backfilling and encasement are underway. Work is three weeks ahead of schedule.

Remaining contracts to be awarded in the first through third quarters of 2000 are the High Water Road (north and south segments), Disturbed Area Seeding, Perimeter Aesthetic Treatment, Site Fencing, and several smaller contracts. The dedication ceremonies are scheduled for March 17-19, 2000.

PROJECTED TOTAL COSTS

The total projected costs (including the West Dam settlement but not including potential East Dam claims, Recreation features, and unexpended remaining budget) have increased by \$7.0 million, from \$2,002.6 million to \$2,009.6 million, since establishment of the revised budget (\$2,087 million) at the July 1999 Board meeting. Total expenditures to date are \$1,901.2 million and include \$38 million for settlement of the West Dam claim. (See [Attachment 1](#) for a financial summary and [Attachment 2](#) for a schedule summary).

Revised Budget (July 1999)	\$2,087 million
Remaining Budget	(\$84 million)
Projected Total Costs (July 1999)	\$2,003 million
Scope Changes	
West Dam and Saddle Dam (Includes settlement)	\$39.9 million
East Dam	(\$2.0 million)
West Dam Earthwork	(\$0.7 million)
Tank Saddle Cutoff Wall/Spillway	(\$0.6 million)
North Rim	(\$0.5 million)
Secondary Inlet	\$0.3 million
I/O Tower	(\$0.5 million)
P-1 Pumping Plant	(\$2.4 million)
Inland Feeder Pressure Control Structure	\$0.2 million
Pump Procurement	\$0.4 million
Butterfly Valve Procurement	\$0.1 million
Domenigoni Parkway Improvements	(\$0.2 million)
OCIP	\$6.9 million
Post Design Services - (Raytheon)	\$2.3 million
Program Management. Services - (Parsons)	(\$0.7 million)
Union Station Management Staff - (MWD)	\$1.7 million
Construction Management/Post Design - (MWD)	\$2.1 million
ROW - (Land, MWD Labor & Consultants)	(\$2.8 million)
Claims Support Services through December 2000	\$2.2 million
Fencing	\$0.9 million
Other Miscellaneous Changes	(\$0.1 million)
Sub-Total Scope Changes	\$46.5 million
Project Deletions¹	
High Water Roads	(\$1.8 million)
Quarry Operation Road	(\$1.5 million)
Site Completion	(\$1.0 million)
Disturbed Areas Aesthetic Treatment	(\$27.8 million)
Dam Access Road	(\$3.1 million)
Disturbed Areas Seeding	(\$0.6 million)
CM/Post Design - MWD	(\$3.2 million)
Recreation Infrastructure Design - MWD	(\$0.5 million)
Sub-Total Project Deletions	(\$39.5 million)
Net Increase	\$7.0 million
Projected Total Costs (January 2000)	\$2,010 million²

¹A staff evaluation process determined this work is not required for a fully operational project. To be further evaluated as a part of the recreation program.

²Excludes \$5.6 million of recreation expenditures to be transferred to the Recreation appropriation. Excludes potential East Dam claims and Recreation features.

These changes consist of 308 line item increases and decreases to the projected costs resulting from quantity variances, directed changes issued by Metropolitan, pending changes not yet finalized, and West Dam settlement costs. Financial information presented in this Board letter is consistent with financial data (January 30, 2000) reviewed by Lambertus Becker (Chief Financial Officer) and David Gledhill.

ISSUES AND CONCERNS

There are currently no issues or concerns.

RECENT DEVELOPMENTS

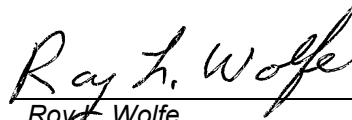
The Division of Safety of Dams (DSOD) permit allowing filling of the reservoir was issued to Metropolitan on January 20. Currently water is being pumped into the reservoir at a rate up to 1,100 acre-feet per day. By mid March, approximately 98,000 acre-feet of blended State Water Project and Colorado River water had been pumped into the reservoir.

Policy

Board Request

Fiscal Impact

None.



Roy L. Wolfe
Acting Manager, Corporate Resources

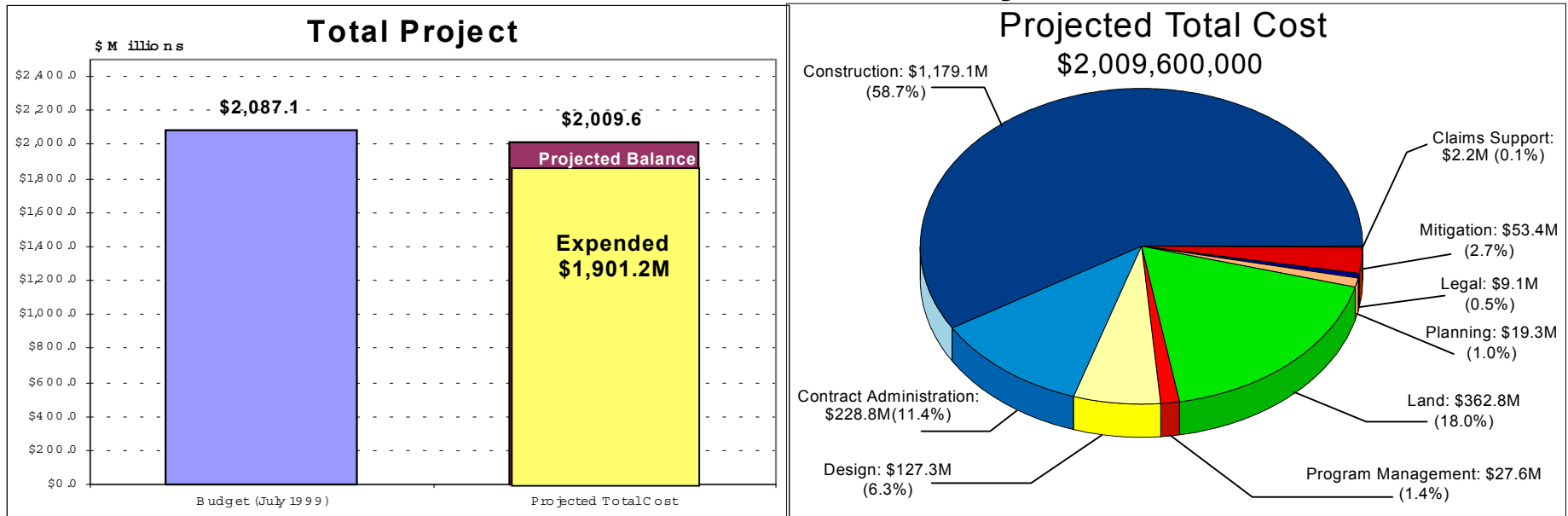
3/21/2000
Date

General Manager

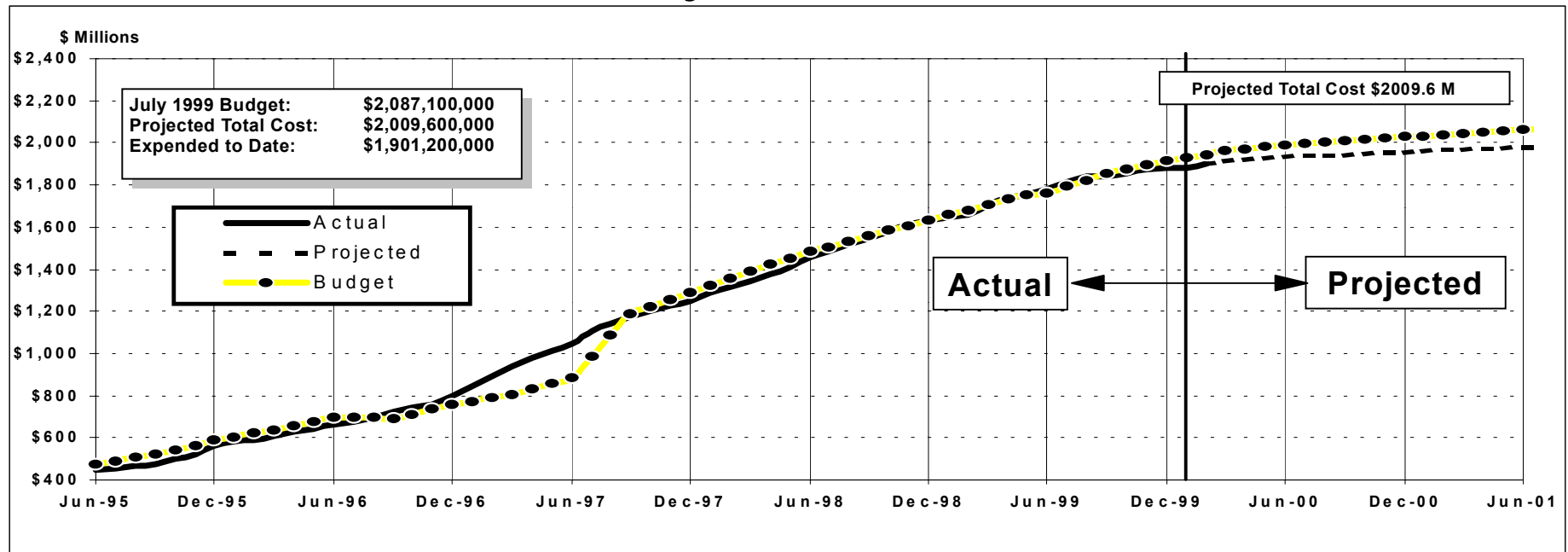
Date

Attachment 1 - Financial Summary/Project Cash Flow
Attachment 2 - Schedule Summary/Remaining Budget

Financial Summary



Project Cash Flow

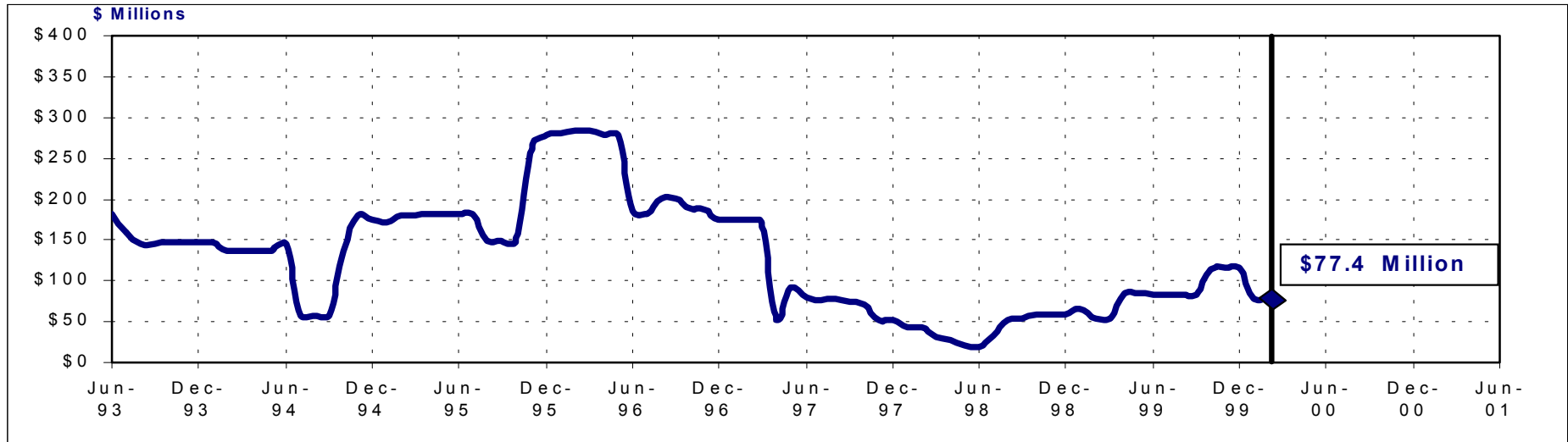


Schedule Summary

DESCRIPTION	PROGRESS		COMPLETION DATE		COMMENTS
	PLANNED ¹	ACTUAL	CONTRACT ²	FORECAST	
West Dam - Saddle Dam - Forebay	100%	100%	Nov-99	Dec-99	Project complete
East Dam Embankment	100%	100%	Nov-99	Dec-99	Project complete
Inlet / Outlet Tower	99%	99%	Feb-00	Mar-00	On schedule to complete in March.
P-1 Pumping Plant	99%	99%	Feb-00	Mar-00	On schedule to complete in March
Secondary Inlet	100%	100%	Oct-99	Dec-99	Project complete
North Rim Remediation	100%	100%	Jan-00	Jan-00	Project complete
Inland Feeder Pressure Control Structure	100%	100%	Dec-99	Dec-99	Project complete
Tank Saddle Cutoff Wall / Spillway	18%	41%	Jul-00	Jul-00	Ahead of schedule

1. Current approved schedule 2. Original contract duration + approved extensions

Remaining Budget



Note: Remaining Budget equals the revised total budget (July 1999) minus the Projected Total Costs.