

- Board of Directors
Engineering and Operations Committee

March 14, 2000 Board Meeting

10-1

Subject

Diamond Valley Lake Project Status Report for January 2000

Description

The two remaining major construction contracts, the I/O Tower and Pumping Plant, are projected to be completed in March 2000. Projected total costs are within the revised project budget of \$2.087 billion approved by the Board in July 1999. Current project information reflecting total budget and schedule summaries is attached.

Four major dam contracts, the West Dam, the Inland Feeder Pressure Control Structure, the Secondary Inlet, and the North Rim, are completed. The North Rim contractor completed work and vacated the site this month. The East Dam contractor is still in the process of demobilizing.

The Pumping Plant contractor, Advanco Constructors (now acquired by J. F. Shea Co. Inc.), continues work on piping and valves, installing instrument cables, pulling and terminating control cables and various finishing tasks in and around the project site.

The Inlet/Outlet Tower contractor, Atkinson-Washington-Zachry, completed installation of the emergency gate and provided permanent power to the tower. The contractor continued setting and aligning fish screen guides and assembling fish screens.

The Tank Saddle Cut-off and Signal Spillway contract was awarded to J. F. Shea Co. Inc. Work is proceeding on spillway excavation and preparation for the cutoff wall.

Remaining contracts to be awarded in the first through the 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. Dedication ceremonies are scheduled for March 17-19, 2000.

PROJECTED TOTAL COSTS

The projected total costs (not including potential claims and recreation) have decreased by \$31.9 million, from \$2,003 million to \$1,971 million, since establishment of the revised budget (\$2,087 million) at the July 1999 Board meeting. Total expenditures to date are \$1,872 million (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	\$2.5 million
East Dam	(\$0.8 million)
West Dam Earthwork	(\$0.8 million)
Tank Saddle Cutoff Wall/Spillway	(\$0.6 million)
North Rim	(\$0.6 million)
Secondary Inlet	\$0.3 million
I/O Tower	(\$0.2 million)
P-1 Pumping Plant	(\$2.4 million)
Inland Feeder Pressure Control Structure	\$0.2 million
OCIP	\$6.9 million
Post Design Services - (Raytheon)	\$1.8 million
Construction Management/Post Design - (MWD)	(\$0.5 million)
ROW - (Land, MWD Labor & Consultants)	(\$2.8 million)
Claims Support Services through December 2000	\$3.8 million
Fencing	\$0.9 million
Other Miscellaneous Changes	(\$0.1 million)
Sub-Total Scope Changes	\$7.6 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 Decrease	(\$31.9 million)
Projected Total Costs (November 1999)	\$1,971 million²

¹ A 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.

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

These changes consist of 262 line item increases and decreases to the projected costs resulting from quantity variances, directed changes issued by Metropolitan, and pending changes not yet finalized. Financial information presented in this Board letter is consistent with financial data (November 30, 1999) prepared by Lambertus Becker (Chief Financial Officer) and David Gledhill (Independent Oversight to the General Manager).

ISSUES AND CONCERNS

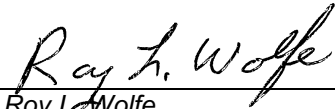

There are currently no issues or concerns.

RECENT DEVELOPMENTS

Test pumping of water into the reservoir began on November 8, 1999, and the first four of 12 pumps completed start-up and testing on schedule at the end of December. The Division of Safety of Dams (DSOD) permit allowing filling of the reservoir was issued to Metropolitan on January 20. Pumping continues at an average rate of 1,200 acre feet per day. By the end of January, 34,000 acre feet of blended State Water Project and Colorado River water had been pumped into the reservoir.

Policy

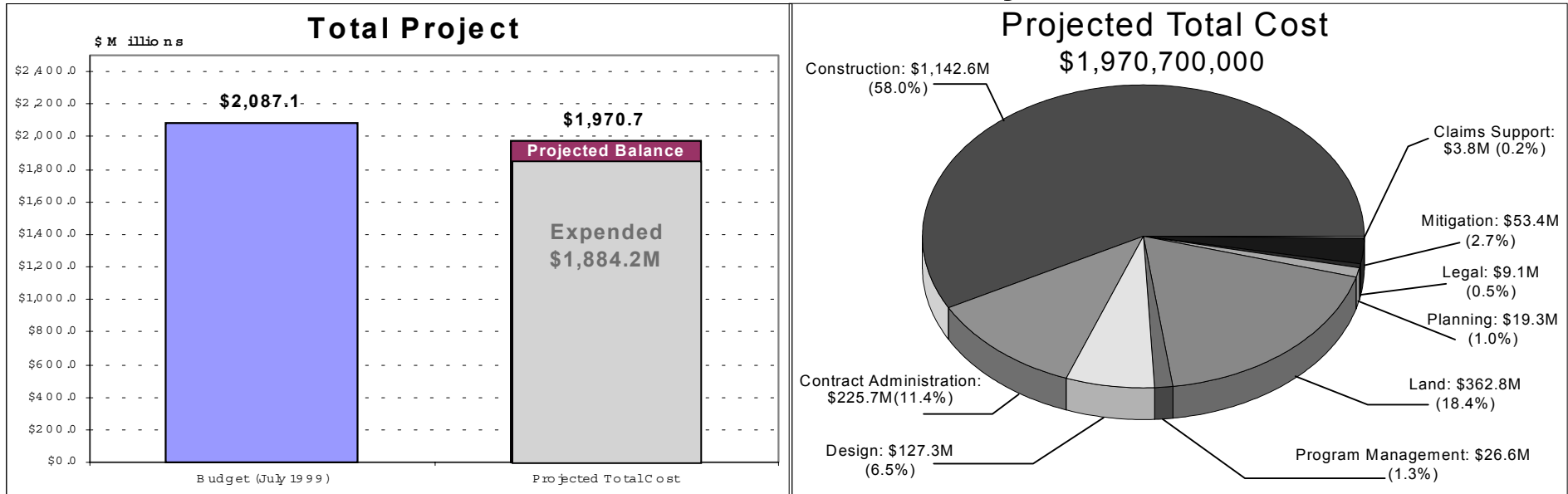
Board Request

 _____ Roy L. Wolfe Acting Manager, Corporate Resources	2/14/2000 _____ Date
 _____ Ronald R. Jester General Manager	2/18/2000 _____ Date

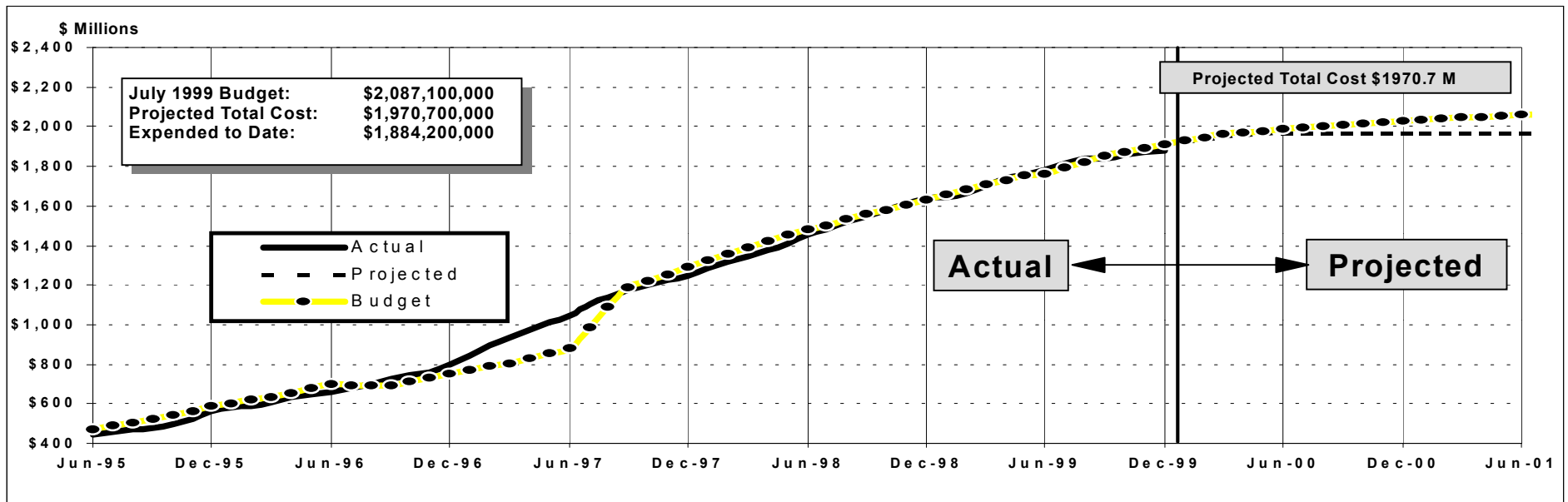
Attachment 1 – Financial Summary/Project Cash Flow

Attachment 2 – Schedule Summary/Remaining Budget

Financial Summary



Project Cash Flow

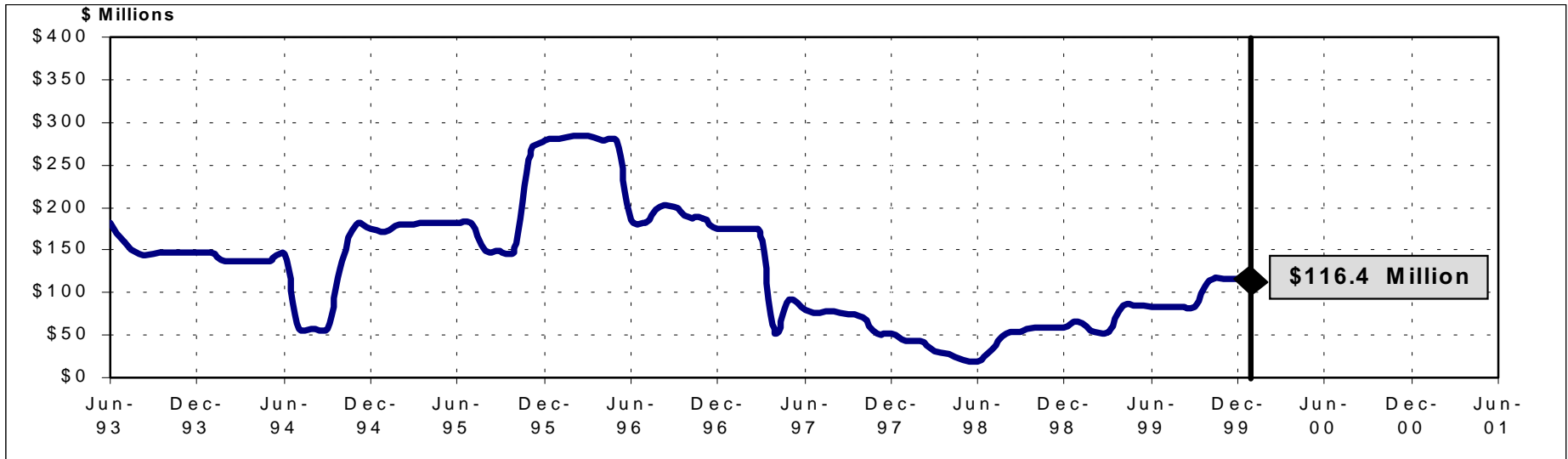


Schedule Summary

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	97%	98%	Feb-00	Mar-00	On schedule to complete in March.
P-1 Pumping Plant	98%	98%	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	6%	15%	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.