

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

May 17, 2000 Board Meeting

10-1

Subject

Diamond Valley Lake Project Status Report for March 2000

Description

The I/O Tower is operational, and the contractor, Atkinson-Washington-Zachry, completed construction this month. The contractor completed installation of the fish screens, performed alignment adjustments and is in the process of completing electrical and mechanical punch-list items and final load testing of the gantry crane. The contractor is expected to vacate the site by the end of April.

Advanco Constructors (now acquired by J. F. Shea Co. Inc.), contractor at the Hiram W. Wadsworth Pumping Plant, continues to work on electrical and mechanical punch-list items, start-up of the CFE equipment, paving of the yard areas, and minor items in the chlorination facility. Substantial completion was issued on March 15.

The Tank Saddle Cutoff and Signal Spillway contractor, J. F. Shea Co. Inc., is proceeding well ahead of schedule. Work is approximately 72 percent complete. At the Tank Saddle Cutoff, the concrete cutoff wall was completed in early February. Grouting at the Tank Saddle Cutoff is being accomplished in three 8-hour shifts, and should be completed by the end of May. At the Signal Spillway, the pipe trench has been excavated, reinforced concrete pipe has been placed, and backfilling and encasement operations are underway. Signal Spillway work should complete by mid-May.

Completion of several remaining contracts is required for a fully functional and permitted reservoir. These contracts include Site Fencing, High Water Roads (north and south segments), Disturbed Area Seeding, and Perimeter Aesthetic Treatment and are planned for the second and third quarters of 2000.

The Diamond Valley Lake Dedication was a momentous occasion. The ceremony held on March 18 was well attended by the community, member agencies, and project participants. Well-attended open houses were held on March 19, 25 and 26.

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.

PROJECTED TOTAL COSTS

Total projected costs (including the West Dam settlement but not including resolution of the East Dam claims, Recreation features, and unexpended remaining budget) have increased by \$8.2 million, from \$2,002.6 million (July 1999 baseline total projected cost) to \$2,010.8 million, since establishment of the revised budget (\$2,087 million) at the July 1999 Board meeting. Total expenditures to date are \$1,946.3 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 (July 1999)	(\$84 million)
Projected Total Costs (July 1999)	\$2,003 million
Scope Changes¹	
West Dam and Saddle Dam	\$1.9 million
East Dam	(\$0.1 million)
West Dam Earthwork	(\$0.7 million)
Tank Saddle Cutoff Wall/Spillway	(\$0.6 million)
North Rim	(\$0.5 million)
Secondary Inlet	\$0.2 million
I/O Tower	(\$1.3 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	(\$0.3 million)
Sub-Total Scope Changes	\$9.7 million
Project Deletions²	
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)
Claims	
West Dam Claims Settlement	\$38.0 million
Sub-Total Claims	\$38.0 million
Net Increase	\$8 million
Projected Total Costs (March 2000)	\$2,011million³

¹ Includes: scope changes, quantity variations, directed changes, and credits.

² 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.

³ Excludes \$5.6 million of recreation expenditures to be transferred to the Recreation appropriation. Excludes potential East Dam claim 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 (March 31, 2000) reviewed by Lambertus Becker (Chief Financial Officer) and David Gledhill.

ISSUES AND CONCERNS

In March, seven pumps were operable for pumping. Parts for pumps 8 through 10 are available for commissioning; however, work is not being performed due to an internal disagreement between the pump manufacturer and his subcontractor. Metropolitan staff is working on resolving the issues. East Dam claims will be mediated in May.

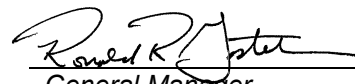
Policy

Board Request

Fiscal Impact

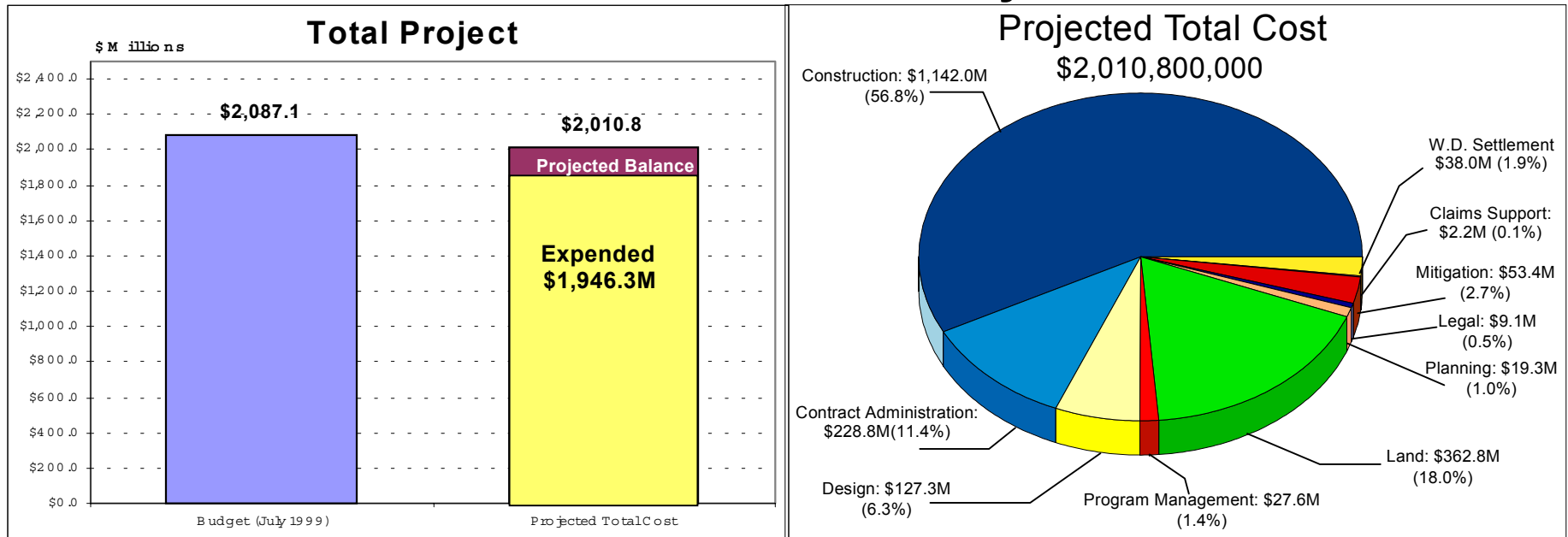
None.

	4/19/2000
Roy L. Wolfe Acting Manager, Corporate Resources	Date

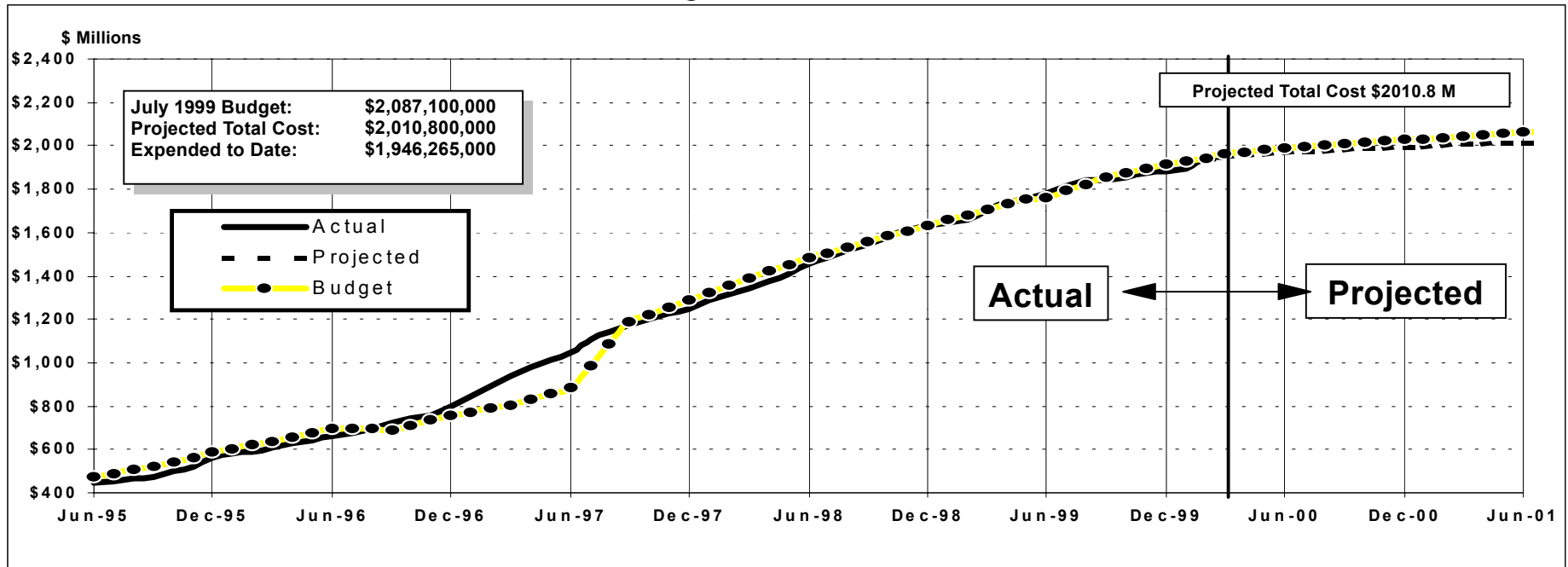
	4/27/2000
Ronald R. Jester General Manager	Date

- [Attachment 1 - Financial Summary/Project Cash Flow](#)
- [Attachment 2 - Schedule Summary/Remaining Budget](#)

Financial Summary



Project Cash Flow

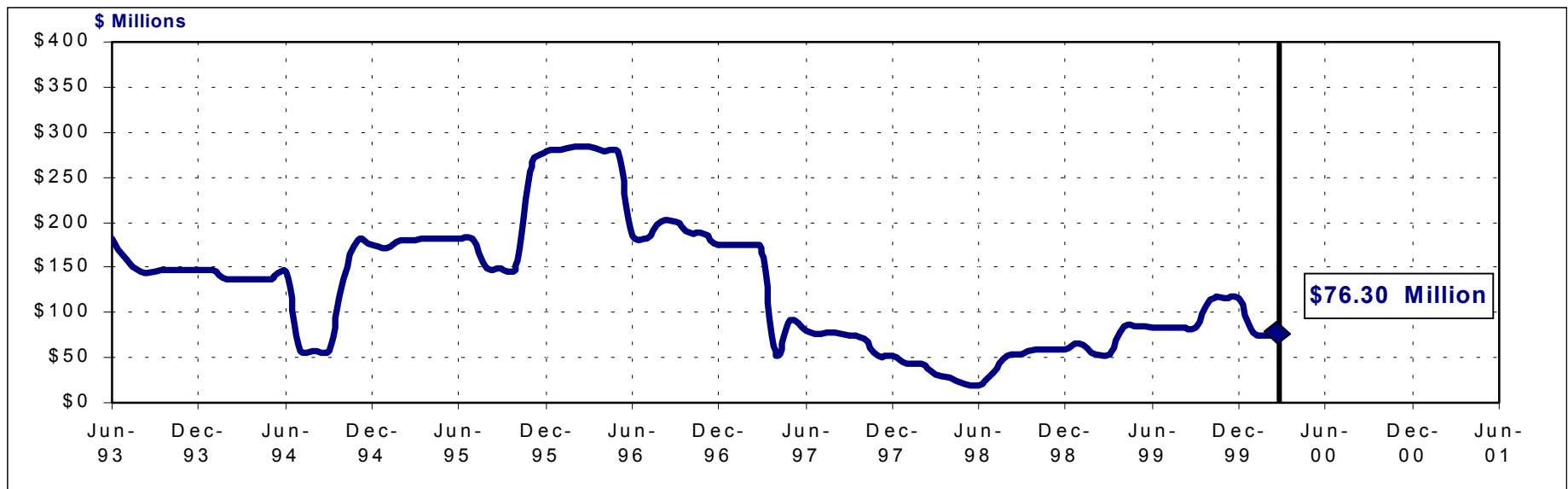


Schedule Summary

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	100%	100%	Feb-00	Mar-00	Project Complete
P-1 Pumping Plant	100%	100%	Feb-00	Mar-00	Project Complete
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	34%	72%	Jul-00	May-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.