

- **Board of Directors**
Engineering, Operations and Real Property Committee

February 13, 2001 Board Meeting

10-1

Subject

Status report for the Diamond Valley Lake Project for the month ending December 2000

Description

All major facilities at Diamond Valley Lake (DVL) are complete. As of December 19, 2000, the reservoir contained approximately 410,000 acre-feet of water and the water surface elevation was approximately 1,661 feet, ahead of the planned initial fill schedule.

Performance testing of the pumps is anticipated to be completed by February 2001. Water System Operations (WSO) staff has taken over the majority of day-to-day operations at the Hiram W. Wadsworth Pumping Plant.

Security fencing around the project perimeter will be completed in two phases and is being coordinated with DVL's Master Development Plan for Recreation. The initial phase, which provides security fencing around the east end of the project area, was completed in December 2000. The second phase, providing security fencing around the north and west ends of the project area (including the north hills and west recreation area), was advertised for bids in November 2000 with bid opening scheduled for January 2001.

Restoration of areas disturbed during construction of the reservoir is required by the project Final Environmental Impact Report (FEIR). The seed application contract will provide erosion and dust control by hydroseeding the Multi-Species Reserve corridors and both recreation areas. Award of the seed application contract was approved by the Board in October 2000 and the notice to proceed was issued in November 2000. This contract is approximately 5 percent complete.

The high water roads will provide continuous access around the perimeter of the reservoir. Criteria used to design these roads are based on operational needs. The North Rim High Water Road will provide operational access from the Saddle Dam to the north abutment of the East Dam. The roadway will be constructed to accommodate maintenance vehicles used for reservoir clearing, transporting chemical supplies, fire management, and emergency response. Award of the North Rim High Water Road contract was approved by the Board in October 2000 and the notice to proceed will be issued in early January 2001.

The South Rim High Water Road will provide operational access from the south abutment of the West Dam to the south abutment of the East Dam. This contract will be advertised for bids in January 2001 with bid opening scheduled for March 2001.

For the past year, field staff has regularly monitored dam instrumentation to verify the continued safe performance of the three dams. The installation of the dam deformation monitoring system was completed in December 2000 and the system is now operational. Any significant movement of one of the dams, whether during initial filling or after an unusual loading event, can now be remotely measured on a real-time basis. Eight automated survey stations were strategically installed to measure horizontal and vertical angles and distance measurements of pillar-mounted prisms located on the crest and downstream face of each dam. The robotic stations are connected to a computer that forwards the measurements to Metropolitan's survey office located in Glendora for processing and analysis of the data. These readings are part of the required dam performance data that are semi-annually reported to the Division of Safety of Dams.

PROJECTED TOTAL COSTS

The revised total DVL budget of \$2.0871 billion was established at the July 1999 Board meeting. Since that time, projected total costs have increased by \$8.5 million, from \$2.0026 billion to \$2.0111 billion, but are still below the \$2.0871 billion revised budget. Total expenditures to date are \$1.9725 billion, including \$38.0 million for settlement of the West Dam claim, \$9.4 million for settlement of the East Dam and West Dam Foundation Excavation claims, and \$5.6 million for Recreation activities that will be transferred to the Recreation appropriation at a future date.

Expenditures also include the purchase of properties surrounding the reservoir operating area and the Multi-Species Reserve. Property usage is being evaluated with the possibility that several areas will be designated as surplus in the future. Any proceeds realized by Metropolitan by the sale or turnover of these properties will be credited to the project budget, including any recreation components recommended by the Board, thereby decreasing the projected total cost of the project. (See [Attachment 1](#) for a financial summary and project cash flow, and [Attachment 2](#) for the remaining budget). Financial information presented in this board letter is consistent with financial data (December 31, 2000) reviewed by the Office of the Chief Financial Officer and the DVL Evaluation Team Manager.

EXPENDITURES (December 2000) include West Dam, East Dam and West Dam Foundation Excavation Claims Settlement & Recreation Actuals		\$1,972.5 million
WORK IN PROGRESS includes Dam Deformation Monitoring; Pump Procurement Contract; Phase 1 Perimeter Fencing Contract; North Rim High Water Road Contract; Seed Application; Environmental Documentation; Labor for DVLP Management, Design Staff, Construction Management, & Environmental Support		\$19.2 million
REMAINING WORK		
Perimeter Fencing (Phase 2) Construction Contract	\$ 1.5 million	
South Rim High Water Road Construction Contract	\$11.0 million	
Miscellaneous Completion Contracts	\$ 3.5 million	
Miscellaneous Environmental Activities	\$ 0.8 million	
Labor – Design & Construction Management	\$ 2.3 million	
Project Labor Agreement	\$ 0.3 million	
SUBTOTAL		\$19.4 million
TOTAL PROJECTED COSTS		\$2,011.1 million
REMAINING BUDGET		\$76.1 million
TOTAL PROJECT BUDGET		\$2,087.1 million

ISSUES AND CONCERNS

There are currently no issues or concerns.

Policy

Board Request


Fiscal Impact

Refer to table and attachments.



Roy L. Wolfe
Manager, Corporate Resources

1/24/2001
Date



Ronald R. Jester
General Manager

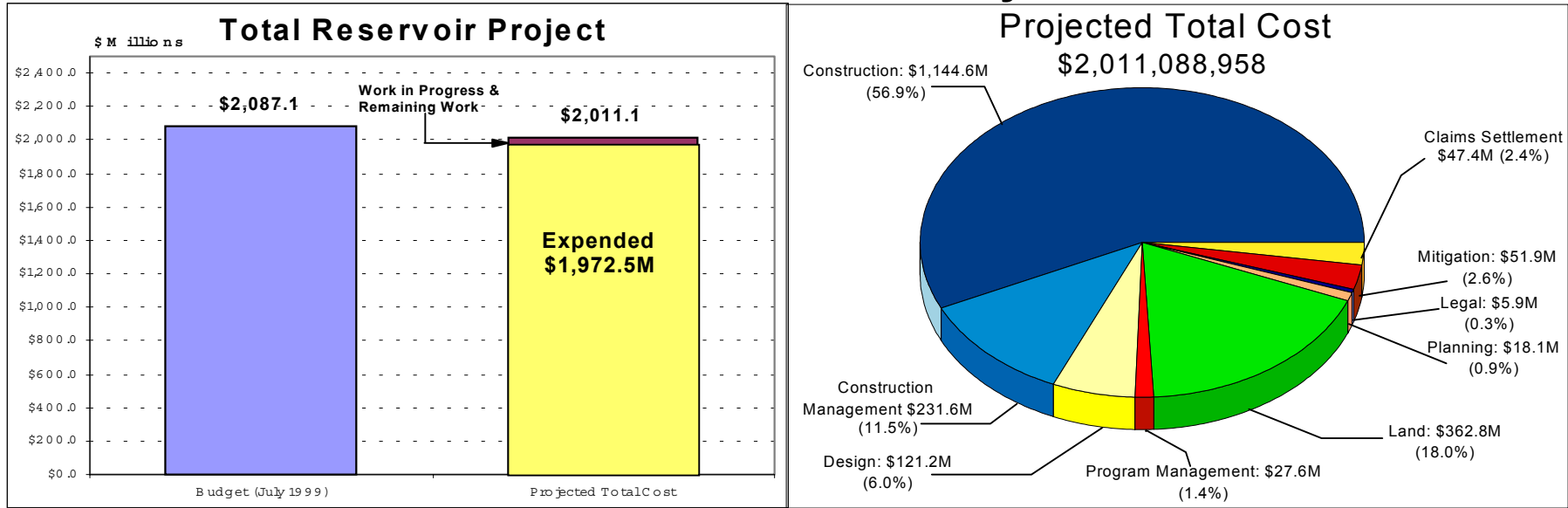
1/29/2001
Date

Attachment 1 - Financial Summary/Project Cash Flow

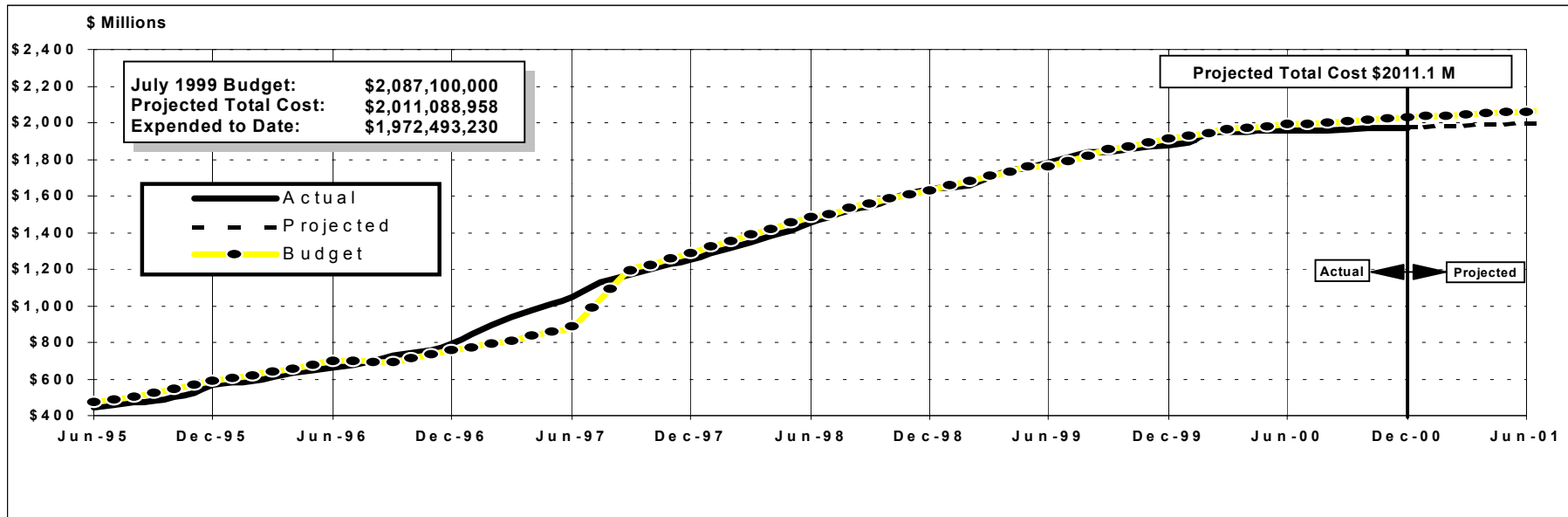
Attachment 2 - Remaining Budget

BLA #594

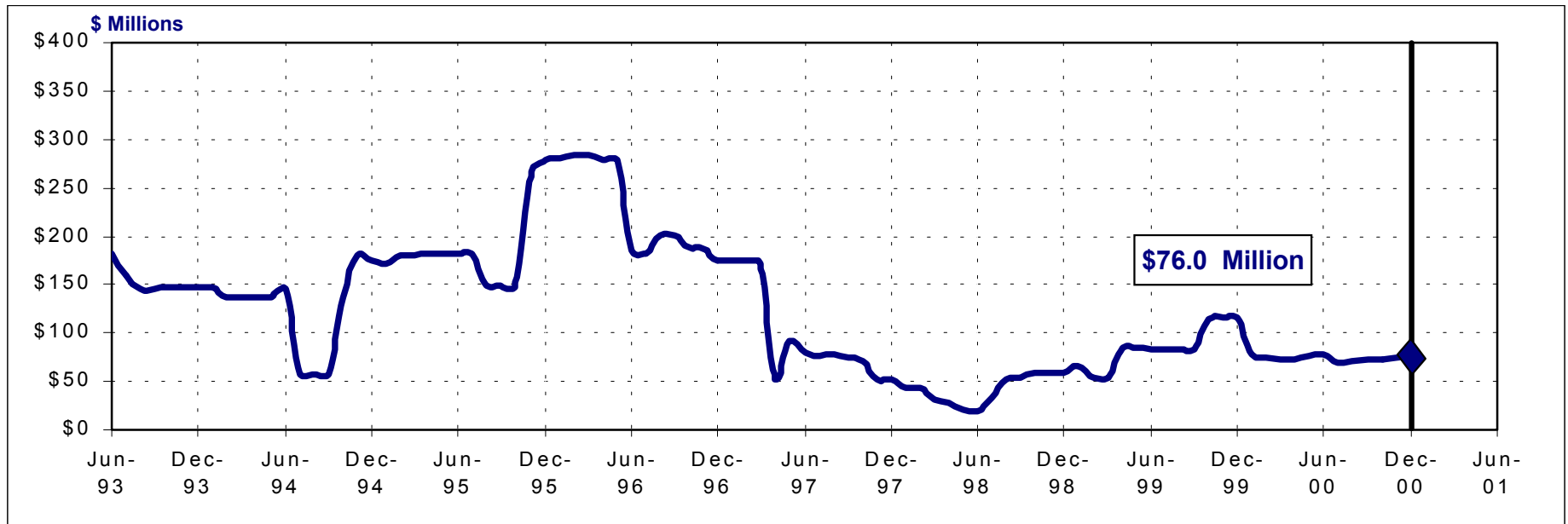
Financial Summary



Project Cash Flow



Remaining Budget



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