

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

May 17, 2000 Board Meeting

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**Revised 10-1**

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**Subject**

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Diamond Valley Lake Project Construction and Financial Status Report for March 2000

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**Description**

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This project update is an expanded report, which not only describes the status of Diamond Valley Lake Project construction and expenditures, but also provides an extensive reconciliation of forecasted costs compared with the approved July 1999 budget.

**CONSTRUCTION UPDATE**

Major facilities of the project are complete and water has been pumped into the reservoir since November 1999. As of March 2000, the reservoir is 15% full and ahead of the planned fill schedule.

The I/O Tower is operational, and the contractor 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 in May.

At the Hiram W. Wadsworth Pumping Plant, Advanco Constructors continue to work on electrical and mechanical punch-list items, start-up of the contractor furnished equipment, and minor items in the chlorination facility.

The Tank Saddle Cutoff and Signal Spillway work is approximately 72 percent complete and is proceeding well ahead of schedule. The concrete cutoff wall at the Tank Saddle was completed in early February. All work should be completed by mid-May.

Several contracts must be completed to satisfy the remaining reservoir project commitments. These contracts include Site Fencing, High Water Roads (north and south segments), Disturbed Area Seeding, and Perimeter Aesthetic Treatment. They are scheduled to be issued during 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. Open houses held on March 19, 25 and 26 were also well attended.

**PROJECTED TOTAL COSTS - SUMMARY**

The finances for Diamond Valley Lake Project have been under tight budgetary control and scrutiny of the Assistant General Manager and the Office of the Chief Financial Officer for the past eleven months. These budgetary controls have succeeded in keeping expenditures in line and under the revised budget of \$2,087 million approved at the July 1999 Board meeting. The major construction contracts are now complete and the facilities are being turned over to Water System Operations. Construction management and field inspection staff are rapidly being demobilized and the transition to operations should be complete by mid-summer. The settlement of the West Dam claims has greatly reduced Metropolitan's financial exposure and mediation of the East Dam claims is scheduled for mid-May. Total expenditures to date are \$1,946.4 million.

**PROJECTED TOTAL COSTS - DETAIL**

After the establishment of the revised baseline budget in July 1999, a number of work packages were reviewed by an Evaluation Team, convened by the Assistant General Manager. This Evaluation Team, chaired by an

independent consultant providing project budget oversight, was tasked to review the identified work packages and to limit their scopes to that required for a fully functional and permitted reservoir. This series of Evaluation Team reviews resulted in projected cost savings of \$41 million to date.

In recent weeks, variances in the line items and additional work items not included in the July 1999 revised baseline budget have been identified. Many of these work items had been known about during the height of project activities, but their scopes and associated costs had not been definitively determined until additional progress was made. Cost estimates are now included in the Project Forecast for all work items related to DVLP and the Evaluation Team has been reconvened in early May to review the scopes and the associated costs for these work items. Currently, the Evaluation Team is being chaired by Metropolitan staff, reporting directly to the Assistant General Manager, independent of DVLP. Again, the Evaluation Team is tasked to identify and limit the work scopes to that required for a fully functional and permitted reservoir.

The variances in line items and work items have increased the Total Projected Costs by \$4.5 million since the April Board report. A summary of the scope changes which have occurred since the approved Projected Total Costs of July 1999, are shown in **Table A** on the following page. The scope 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 (former Chief Financial Officer) and David Gledhill (DVLP Evaluation Team manager).

A financial detail sheet and notes has also been attached that describe the variances on individual line items that have resulted since the budget was revised and approved in July 1999. (See [Attachment 1](#) for a financial summary, [Attachment 2](#) for a schedule summary, [Attachment 3](#) for DVLP Total Projected Costs and [Attachment 4](#) for detailed variance notes).

**ISSUES AND CONCERNS**

In March, seven of the twelve pumps were operable for pumping at the Hiram W. Wadsworth Pumping Plant. Parts for pumps 8 through 10 are available for commissioning; however, work is not being performed by the contractor or his subcontractor. Completion of work is being delayed by an internal dispute between the private contracting entities. Metropolitan staff have been meeting with the contractor to insist on compliance with contract provisions. Formal measures will be initiated to protect Metropolitan’s interests if performance is not resumed.

East Dam claims will be mediated in May.

**Policy**

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Board Request

**Fiscal Impact**

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None.

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*Roy L. Wolfe* *Date*  
*Acting Manager, Corporate Resources*

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*General Manager* *Date*

**Table A**

Revised Budget (July 1999)	\$2,087 million
Remaining Budget (July 1999)	(\$84 million)
<b>Projected Total Costs (July 1999)</b>	<b>\$2,003 million</b>
<b>Scope Changes<sup>1</sup></b>	
West Dam and Saddle Dam	\$1.9 million
East Dam	(\$0.1 million)
West Dam Earthwork	(\$0.7 million)
Tank Saddle Cutoff Wall/Spillway	(\$0.8 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	\$1.0 million
Butterfly Valve Procurement	\$0.1 million
Domenigoni Parkway Improvements	(\$0.2 million)
OCIP	\$6.9 million
Groundwater Monitoring	\$0.2 million
Piezometer Installation	\$0.3 million
Infrared Air Photos	\$0.1 million
Surface Water Release to San Diego Pipelines 1 & 2	\$0.4 million
Restoration of Old Newport Road	\$0.1 million
East Dam Sump Pump Electrical Supply	\$0.1 million
Construction Management Services - (SCA)	(\$1.6 million)
Post Design Services - (Raytheon)	\$2.6 million
MWD – Start-up	\$1.0 million
Program Management Services - (Parsons)	(\$0.7 million)
Union Station Management Staff - (MWD)	\$1.7 million
Construction Management/Post Design - (MWD)	\$3.8 million
Additional Dam Deformation Monitoring	\$0.4 million
ROW - (Land, MWD Labor & Consultants)	(\$2.8 million)
Claims Support Services through December 2000	\$2.8 million
Fencing	\$0.9 million
Monitor Project Impacts	\$0.2 million
Biological Enhancements	\$0.5 million
Modify Corridor East of P-1	\$0.1 million
Other Miscellaneous Changes	(\$0.5 million)
Project Labor Agreement 2000-2001	\$0.5 million
<b>Sub-Total Scope Changes</b>	<b>\$14.4 million</b>

<b>Project Deletions<sup>2</sup></b>		
High Water Roads		(\$1.8 million)
Quarry Operation Road		(\$1.5 million)
Site Completion		(\$1.0 million)
Disturbed Areas Aesthetic Treatment		(\$29.3 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)
	<b>Sub-Total Project Deletions</b>	<b>(\$41.0 million)</b>
<b>Claims</b>		
West Dam Claims Settlement		\$38.0 million
	<b>Sub-Total Claims</b>	<b>\$38.0 million</b>
	<b>Net Increase</b>	<b>\$11.4 million</b>
	<b>Projected Total Costs (March 2000)</b>	<b>\$2,014 million<sup>3</sup></b>

<sup>1</sup> Includes: scope changes, quantity variations, directed changes, and credits.

<sup>2</sup> A staff evaluation process determined this work is not required for a fully operational reservoir project. To be further evaluated as a part of the recreation program.

<sup>3</sup> Excludes \$5.6 million of recreation expenditures to be transferred to the Recreation appropriation. Excludes potential East Dam claim and Recreation features.

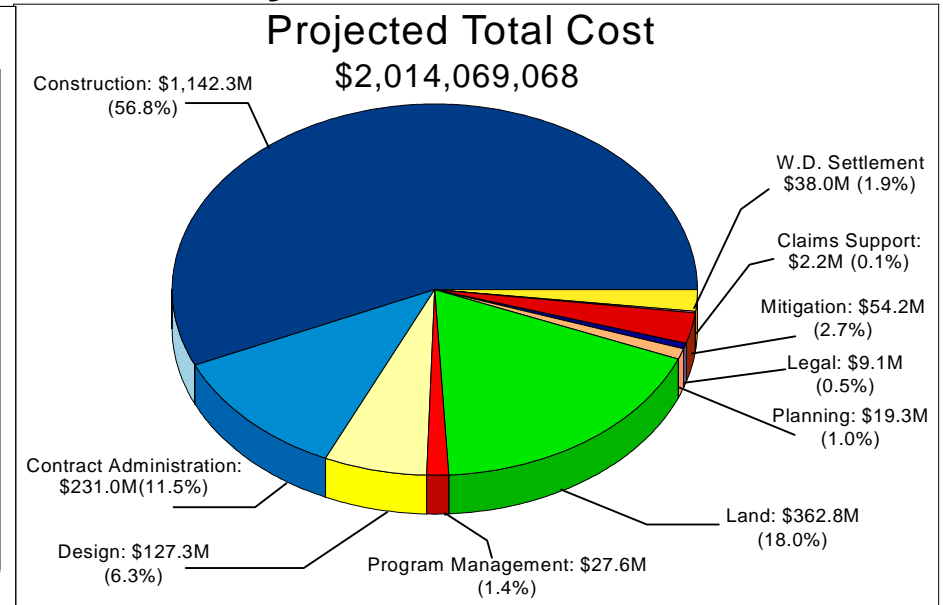
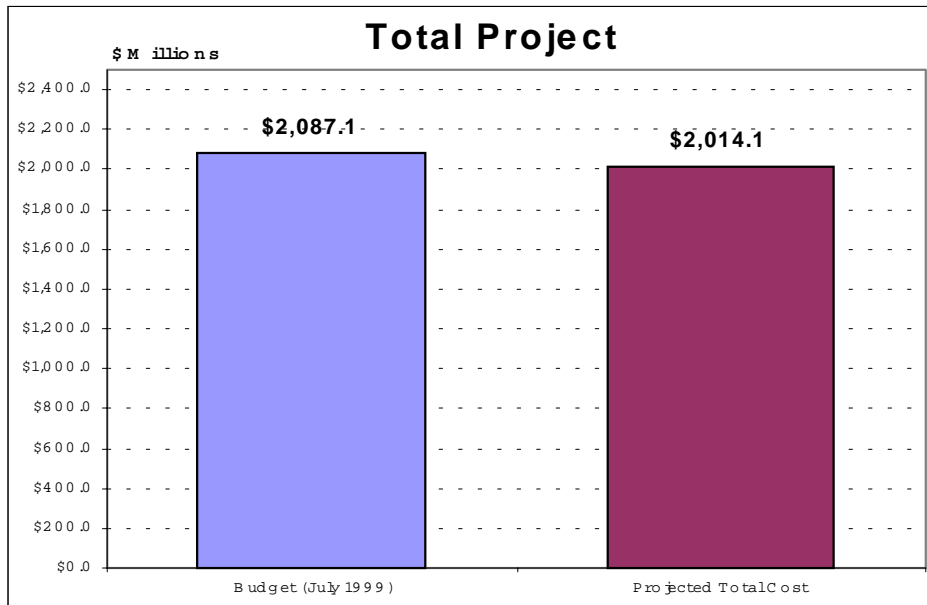
**Attachment 1 - Financial Summary/Project Cash Flow**

**Attachment 2 - Schedule Summary/Remaining Budget**

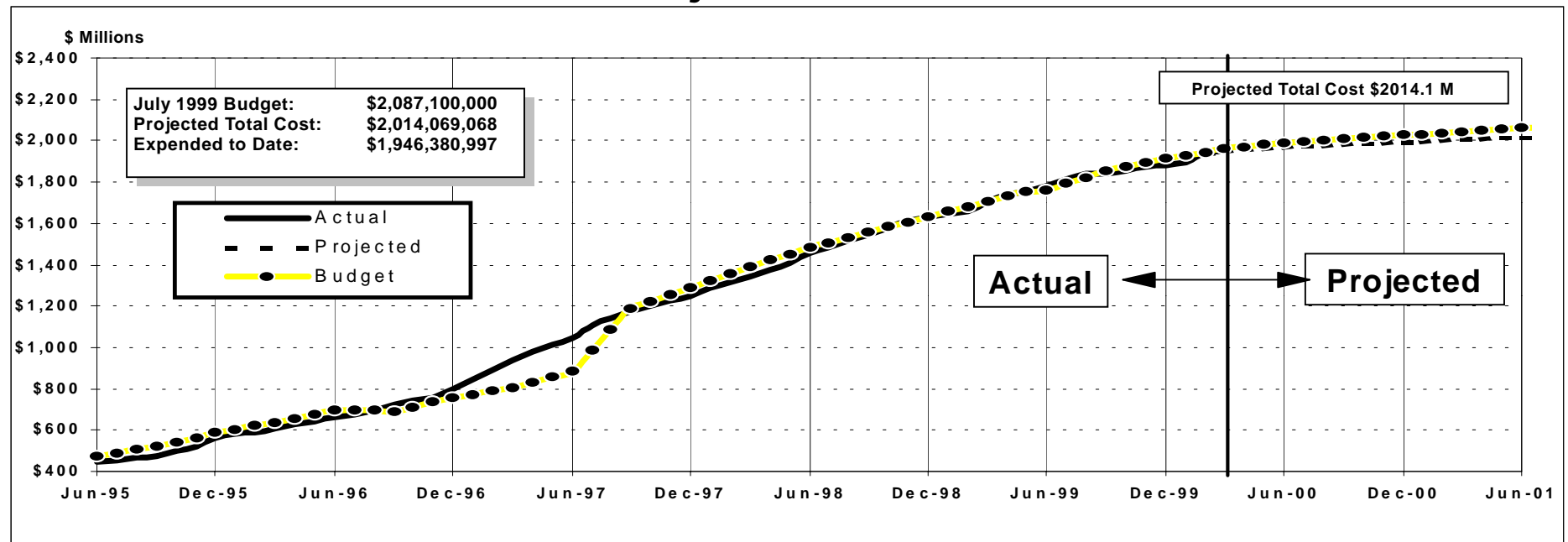
**Attachment 3 - DVLP Total Projected Costs**

**Attachment 4 - Detailed Variance Notes**

# Financial Summary



## Project Cash Flow

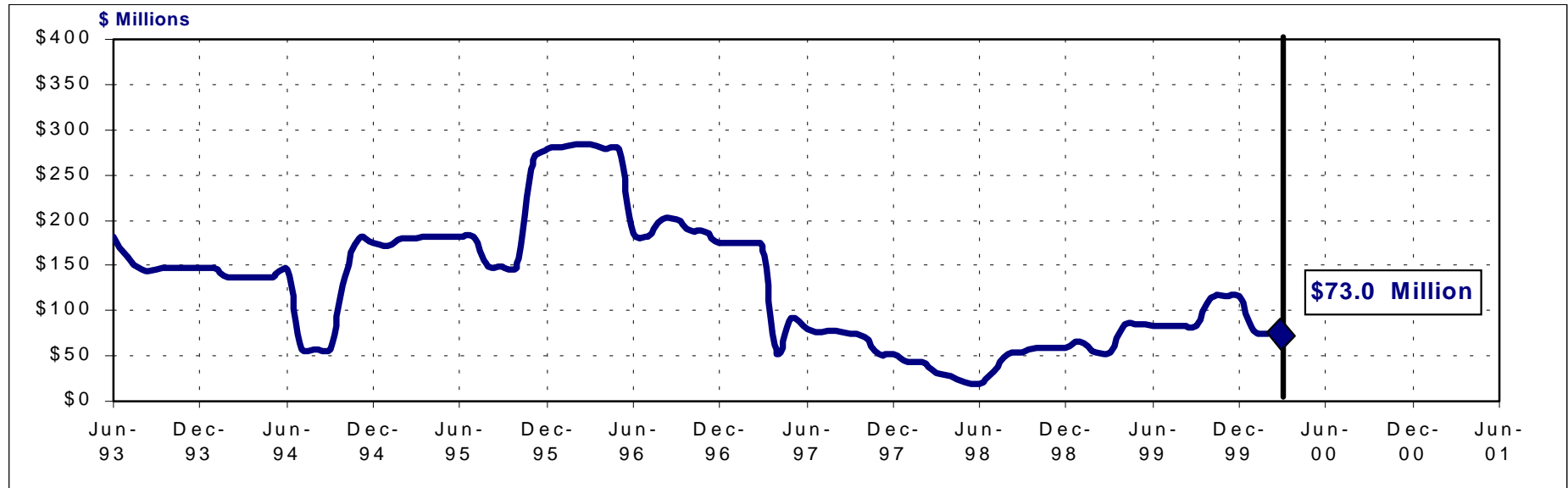


# Schedule Summary

DESCRIPTION	PROGRESS		COMPLETION DATE		COMMENTS
	PLANNED <sup>1</sup>	ACTUAL	CONTRACT <sup>2</sup>	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.



Description	Baseline (July 99 Board)	Mar-00	Variance	Notes
<b>DAMS</b>				
West Dam Foundation Excavation	\$20,451,434	\$20,451,434	\$0	
East Dam North Excavation	\$3,545,361	\$3,545,361	\$0	
West & Saddle Dam Embankment & Forebay/Chnl	\$422,224,141	\$424,171,196	\$1,947,055	Note 1
East Dam Embankment	\$279,914,361	\$279,860,680	-\$53,681	Note 2
West Dam Earthwork	\$13,332,246	\$12,600,329	-\$731,917	Note 3
Tank Saddle Cut-off Wall/Spillway	\$0	\$3,898,489	\$3,898,489	Note 4
Spillway	\$2,200,000	\$0	-\$2,200,000	Note 5
Tank Saddle Cut-off Wall	\$2,500,000	\$0	-\$2,500,000	Note 6
North Rim Remediation	\$11,225,331	\$10,688,208	-\$537,123	Note 7
Dam Deformation Monitoring	\$1,314,000	\$1,314,000	\$0	
DSOD Dams Permit	\$5,050,500	\$5,050,500	\$0	
<b>Total Dams</b>	<b>\$761,757,374</b>	<b>\$761,580,197</b>	<b>-\$177,177</b>	
<b>HYDRAULICS</b>				
Secondary Inlet	\$16,150,229	\$16,374,468	\$224,239	Note 8
P-1 Pressure Tunnel	\$13,206,687	\$13,206,687	\$0	
I/O Tower	\$44,844,469	\$43,527,880	-\$1,316,589	Note 9
P-1 Pumping Plant	\$78,072,832	\$75,634,242	-\$2,438,590	Note 10
Power Line to P-1	\$1,518,260	\$1,533,688	\$15,428	
Construction Utilities	\$1,900,000	\$1,900,000	\$0	
Pressure Control Structure	\$22,466,146	\$22,669,414	\$203,268	Note 11
Pump Procurement	\$24,723,045	\$25,752,029	\$1,028,984	Note 12
Fixed Cone/Spherical Valve Procurement	\$2,402,332	\$2,402,366	\$34	
Butterfly Valve Procurement	\$12,480,176	\$12,557,141	\$76,965	Note 13
Fabricated Fittings for P-1	\$6,391,088	\$6,396,088	\$5,000	
Vertical Sleeve Valve Procurement	\$2,932,995	\$2,932,955	-\$40	
<b>Total Hydraulics</b>	<b>\$227,088,259</b>	<b>\$224,886,958</b>	<b>-\$2,201,301</b>	
<b>Ancillary</b>				
Eastside Pipeline	\$46,456,372	\$46,457,826	\$1,454	
San Diego Canal Relocation	\$10,103,368	\$10,103,368	\$0	
San Diego Canal Demolition	\$752,235	\$752,235	\$0	
Newport Road Relocation	\$17,453,308	\$17,453,308	\$0	
Construction Access Roads	\$1,827,584	\$1,827,584	\$0	
Field Office	\$1,326,590	\$1,325,590	-\$1,000	
Temporary Visitor Center	\$455,377	\$458,659	\$3,282	
High Water Road - Pioneering	\$818,175	\$818,215	\$40	
Site/Habitat Clearing	\$786,734	\$782,070	-\$4,664	
Landscape Screening - Dams & Domenigoni Parkway	\$1,209,097	\$1,193,716	-\$15,381	
High Water Road	\$16,100,000	\$14,340,000	-\$1,760,000	Note 14
Quarry Operation Road	\$1,500,000	\$0	-\$1,500,000	Note 15
Site Completion	\$3,400,000	\$2,418,000	-\$982,000	Note 16
Disturbed Area Aesthetic Treatment	\$30,457,556	\$1,189,000	-\$29,268,556	Note 17
Dam Access Roads	\$3,100,000	\$0	-\$3,100,000	Note 18
Fencing	\$800,000	\$1,730,000	\$930,000	Note 19
Misc. Construction Consultants	\$8,908,156	\$8,908,156	\$0	
Reserve Trails	\$1,100,000	\$1,100,000	\$0	
Domenigoni Parkway - Improvements	\$500,000	\$279,500	-\$220,500	Note 20
Disturbed Area Seeding	\$7,000,000	\$6,355,000	-\$645,000	Note 21
OCIP	\$30,204,615	\$37,140,340	\$6,935,725	Note 22
Groundwater Monitoring	\$0	\$245,000	\$245,000	Note 23
Piezometer Installation	\$0	\$335,000	\$335,000	Note 24
Infrared Air Photos	\$0	\$50,000	\$50,000	Note 25
Surface Water Releases to San Diego Pipe 1&2	\$0	\$400,000	\$400,000	Note 26
Restoration of Old Newport Road	\$0	\$133,000	\$133,000	Note 27
East Dam Sump Pump Electrical Supply	\$0	\$42,000	\$42,000	Note 28
<b>Total Ancillary</b>	<b>\$184,259,167</b>	<b>\$155,837,566</b>	<b>-\$28,421,601</b>	
<b>TOTAL CONSTRUCTION</b>	<b>\$1,173,104,800</b>	<b>\$1,142,304,721</b>	<b>-\$30,800,079</b>	
<b>Construction Management</b>				
Construction Management Services - SCA	\$110,000,000	\$108,400,000	-\$1,600,000	Note 29
Post-Design Services - Raytheon	\$23,377,000	\$25,977,000	\$2,600,000	Note 30
Mwd - Start-up	\$4,395,860	\$5,345,860	\$950,000	Note 31
Mwd - Field Support Services	\$4,695,000	\$4,695,000	\$0	
Mwd - Construction/Post-Design	\$80,577,470	\$81,133,697	\$556,227	Note 32
Mwd - Construction Mgmt (2000-2002yr)	\$2,999,069	\$2,999,069	\$0	
Mwd - Additional Deformation Monitoring	\$0	\$400,000	\$400,000	Note 33
Misc. Consultants	\$1,552,261	\$1,552,261	\$0	
Project Labor Agreement 2000-2001	\$0	\$525,000	\$525,000	Note 34
<b>Total Contract Administration</b>	<b>\$227,596,660</b>	<b>\$231,027,887</b>	<b>\$3,431,227</b>	
<b>Design</b>				
Design - Raytheon	\$52,823,000	\$52,823,000	\$0	
Mwd - Design Support	\$57,000,000	\$57,000,000	\$0	
Mwd - Recreation Infrastructure Design	\$3,355,229	\$2,811,740	-\$543,489	Note 35
Misc. Consultants	\$14,657,513	\$14,657,513	\$0	
<b>Total Design</b>	<b>\$127,835,742</b>	<b>\$127,292,253</b>	<b>-\$543,489</b>	
<b>Program Management</b>				
Post-Design Prog. Mgmt. Service - Parsons	\$8,423,788	\$7,698,546	-\$725,242	Note 36
Mwd - Union Station Mgmt. Staff	\$7,187,000	\$8,850,509	\$1,663,509	Note 37
Design Project Mgmt. Services - Parsons	\$11,022,400	\$11,022,400	\$0	
<b>Total Program Management</b>	<b>\$26,633,188</b>	<b>\$27,571,455</b>	<b>\$938,267</b>	
<b>Total Land</b>	<b>\$365,617,970</b>	<b>\$362,836,009</b>	<b>-\$2,781,961</b>	Note 38
<b>Planning</b>				
Planning	\$15,000,000	\$15,000,000	\$0	
Fish & Game	\$750,000	\$750,000	\$0	
Misc. Consultants	\$3,550,359	\$3,550,359	\$0	
<b>Total Planning</b>	<b>\$19,300,359</b>	<b>\$19,300,359</b>	<b>\$0</b>	
<b>Total Legal</b>	<b>\$9,138,275</b>	<b>\$9,138,275</b>	<b>\$0</b>	
<b>Mitigation</b>				
Multi-Species Reserve	\$13,886,000	\$13,886,000	\$0	
Archeological	\$14,252,159	\$14,252,159	\$0	
Paleontological	\$6,300,000	\$6,300,000	\$0	
Hazardous Material	\$4,246,115	\$4,246,115	\$0	
Dust Mitigation	\$1,433,000	\$1,433,000	\$0	
Ground Water Mitigation	\$4,787,377	\$4,787,377	\$0	
Traffic Studies	\$239,327	\$239,327	\$0	
Environmental Mitigation/Documentation	\$4,712,104	\$4,712,104	\$0	
MSHCP Support	\$1,794,034	\$1,794,034	\$0	
Miscellaneous Mitigation	\$1,839	\$1,839	\$0	
Native American Monitoring	\$1,770,300	\$1,770,300	\$0	
Monitor Project Impacts	\$0	\$165,000	\$165,000	Note 39
Enhancement of Payson's Jewel Flower	\$0	\$150,000	\$150,000	Note 40
Enhancement of Parry's Spineflower	\$0	\$150,000	\$150,000	Note 41
Restore Smooth Tarplant to mitigate	\$0	\$200,000	\$200,000	Note 42
Remove Eastside Fencing - Indian Burial Site	\$0	\$10,000	\$10,000	Note 43
Modify Fence at Overlook	\$0	\$11,500	\$11,500	Note 43
Modify corridor east of P-1	\$0	\$75,000	\$75,000	Note 44
Purchase 2 acres of SKR credit for Goldrich Bank	\$0	\$20,000	\$20,000	Note 45
<b>Total Mitigation</b>	<b>\$53,422,255</b>	<b>\$54,203,755</b>	<b>\$781,500</b>	
<b>Total for Claims Support thru Dec. 2000</b>	<b>\$0</b>	<b>\$2,220,069</b>	<b>\$2,220,069</b>	Note 46
<b>Dedication Ceremony</b>	<b>\$0</b>	<b>\$174,285</b>	<b>\$174,285</b>	Note 47
<b>West Dam Claim Settlement</b>	<b>\$0</b>	<b>\$38,000,000</b>	<b>\$38,000,000</b>	Note 48
<b>Remaining Budget</b>	<b>\$84,450,751</b>	<b>\$73,030,932</b>	<b>-\$11,419,819</b>	Note 49
<b>Projected Total Costs</b>	<b>\$2,002,649,249</b>	<b>\$2,014,069,068</b>	<b>\$11,419,819</b>	
<b>Total Project Budget</b>	<b>\$2,087,100,000</b>	<b>\$2,087,100,000</b>	<b>\$0</b>	

Indicates Completed Projects



**Note 1:** West Dam line item was increased by \$1,947,055 as a result of variations in final quantities (\$2,175,844), settlement of directed changes (\$664,634), and resolution of pending issues (-\$893,423). This line item is closed out.

**Note 2:** East Dam line item decreased by \$53,681 as a result of variations in final quantities (-\$1,750,292), settlement of directed changes (\$2,143,694), and resolution of pending issues (-\$447,083). This line item is closed out.

**Note 3:** West Dam Earthwork line item decreased by \$731,917 as a result of variations in final quantities (-\$1,141,408) and settlement of directed changes (\$409,491). This line item is closed out.

**Note 4:** Separate line items for Signal Spillway and Tank Saddle Cutoff Wall were combined into a single line item for the Tank Saddle Cutoff Wall/Signal Spillway. This line item is currently at \$3,898,489 and includes the award cost (\$4,085,000), variations in quantities (-\$245,068), and ongoing pending issues (\$57,907).

**Note 5:** Spillway line item was eliminated as a separate line item (-\$2,200,000).

**Note 6:** Tank Saddle Cutoff Wall line item was eliminated as a separate line item (-\$2,500,000).

**Note 7:** North Rim Remediation line item decreased by \$537,123 as a result of variations in final quantities (-\$629,378), settlement of directed changes (\$207,071), and resolution of pending issues (-\$114,816). This line item is closed out.

**Note 8:** Secondary Inlet line item increased by \$224,239 as a result of variations in final quantities (-\$3,500), settlement of directed changes (\$99,522), and resolution of pending issues (\$128,217). This line item is closed out.

**Note 9:** Inlet/Outlet Tower line item decreased by \$1,316,589 as a result of variations in final quantities (-\$526,443), settlement of directed changes (\$419,854), and resolution of pending issues (-\$1,210,000).

**Note 10:** P-1 Pumping Plant general construction line item decreased by \$2,438,590 as a result of settlement of directed changes (\$6,619,432), resolution of pending issues (-\$3,342,991), and deletion of pending/potential claim (-5,715,031).

**Note 11:** Inland Feeder Pressure Control line item increased by \$203,268 as result of settlement of directed changes (\$310,519) and resolution of pending issues (-\$107,249). This line item is closed out.

**Note 12:** P-1 Pumping Plant pump procurement line item increased by \$1,028,984 as a result of sales taxes on Extra Work Orders No.1 & 2 (\$33,600), Extra Work Order No. 3 for protection of the harmonic filter feed cables (\$150,850), services for start-up engineers incurred thus far (\$170,621), future services for start-up engineers (\$560,846), and a credit for deletion of work (\$16,933).

**Note 13** Butterfly Valve Procurement line item increased by \$76,965 as a result of sales taxes on Extra Work Orders No.1 thru 4 (\$15,165), and services for start-up engineers (\$61,800).

**Note 14:** High Water Roads line item decreased by \$1,760,000 as a result of reductions in scope made by the Evaluation Team.

**Note 15:** Quarry Operation Road line item decreased by \$1,500,000 as a result of deletion in scope made by the Evaluation Team.

**Note 16:** Site Completion line item decreased by \$982,000 as a result of completing the fish habitat under budget.

**Note 17:** Disturbed Area Treatment line item decreased by \$29,268,556 as a result of reductions in scope made by the Evaluation Team.

**Note 18:** Dam Access Roads line item decreased by \$3,100,000 as a result of deletion in scope made by the Evaluation Team. Postponement of the recreation program and deferral of landscaping omitted the need for immediate construction of interior roadways.

**Note 19:** Fencing line item increased by \$930,000 as a result of increases in scope made by the Evaluation Team.

**Note 20:** Domenigoni Parkway Improvements decreased by \$220,500 as a result of low bid award (-\$108,500) and transferring of related labor (-\$112,000) to the appropriate line item.

**Note 21:** Disturbed Area Seeding line item decreased by \$645,000 as a result of decreases in scope made by the Evaluation Team.

**Note 22:** Owner Controlled Insurance Plan line item increased by \$6,935,725 as a result of continuation of the program through 2001 and receipt of lower savings on premiums than forecasted.

**Note 23:** Ground Water Monitoring line item increased by \$245,000 as a result of continuation of monitoring through FY 2000-2001 until Water System Operations assumes responsibility. This work item will be reviewed by the Evaluation Team.

**Note 24:** Piezometer Installation line item is a new item that includes \$335,000 for additional seepage monitoring for the East Dam and North Rim. This work item will be reviewed by the Evaluation Team.

**Note 25:** Infrared Air Photos line item is a new item that includes \$50,000 for additional seepage monitoring for the North Rim. This work item will be reviewed by the Evaluation Team.

**Note 26:** Surface Water Releases to San Diego Pipelines 1&2 line item is a new line item that includes \$400,000 for modification of San Diego Pipelines 1 and 2. A Memorandum of Understanding with Santa Margarita Watershed Watermaster requires flow collected and measured at Goodhart Canyon Detention Basin be discharged west of the project to the Santa Margarita Watershed. This work item will be reviewed by the Evaluation Team.

**Note 27:** Restoration of Old Newport Road line item is a new line item that includes \$133,000 to restore the road to its previous condition per agreement with Riverside County Department of Transportation. This work item will be reviewed by the Evaluation Team.

**Note 28:** East Dam Sump Pump Electrical Supply line item is a new line item that includes \$42,000 to provide power to the East Dam sump pumps. Electricity was expected

to be provided during recreation development. This work item will be reviewed by the Evaluation Team.

**Note 29:** Construction Management Services – Southern California Associates (SCA) decreased by \$1,600,000 as a result of manpower efficiencies over the last year and aggressive demobilization of staff at the end of the job.

**Note 30:** Post-Design – Raytheon increased by \$2,600,000 for continuation of services beyond the budgeted completion date of July 1999 to March 2000 (\$2,300,000) and continuation of staff on the pump commissioning (\$300,000). This work item will be reviewed by the Evaluation Team.

**Note 31:** Start-up increased by \$950,000 for continuation of services until June 2001. Problems with Metropolitan supplied pump equipment and ongoing contractual problems between the prime and subcontractors over parts and commissioning engineers have delayed start-up activities. This work item will be reviewed by the Evaluation Team.

**Note 32:** MWD Construction Management/Post-Design increased by \$556,227 as a result of additional staff authorized at the Quality Lab (\$378,000), authorized purchase of additional equipment and labor for SCADA support (\$504,200), reduction of the field staff in July 1999 (-\$1,314,460), reduction in support staff accompanying reductions on remaining project scope by the Evaluation Team (-\$3,225,517), transfer of labor budget from Domenigoni Parkway Improvements (\$112,000), impact of unbudgeted overtime labor (\$2,473,717), completion of the communication link between the Secondary Inlet and the Inlet/Outlet Tower, and continuation of Field staff from December 1999 to June 2000 due to delays in the P-1 Pumping Plant and Inlet/Outlet completion and final closeout of the construction site (\$1,600,000).

**Note 33:** Deformation Monitoring increased by \$400,000 as a result of performance of manual surveys in lieu of the automated surveys due to the rapid filling of the reservoir and delays in the installation of the automated system.

**Note 34:** Project Labor Agreement 2000-2001 increased by \$525,000 as a result of a transfer from the Construction Management Services – SCA budget line item. These services are required until the end of construction.

**Note 35:** Infrastructure design decreased by \$543,489 as a result of deletion in scope made by the Evaluation Team.

**Note 36:** Post-Design Program Mgmt. Services – Parsons line item was decreased by \$725,242 as a result of manpower efficiencies over the last year and aggressive demobilization of the staff at the end of the job.

**Note 37:** Union Station Staff increased by \$1,663,509 to continue essential management functions until June 2001.

**Note 38:** ROW - Land decreased by \$2,781,931 as a result of reductions in the remaining work to be completed.

**Note 39:** Monitor Project Impacts increased by \$165,000 to continue biological monitoring as required by FEIR.

**Note 40:** Enhancement of Payson's Jewelflower line item is a new line item for \$150,000 as required by the FEIR.

**Note 41:** Enhancement of Parry's Spineflower line item is a new line item for \$150,000 as required by the FEIR.

**Note 42:** Restoration of Smooth Tarplant line item is a new line item for \$200,000 as required by the FEIR.

**Note 43:** Modification of Fencing is a new line item for \$21,500 as required by the Reserve Management Committee to allow wildlife movement.

**Note 44:** Modify Corridor East of P-1 Pumping Plant is a new line item for \$75,000 to allow for improved wildlife movement as required by the Reserve Management Committee.

**Note 45:** Purchase 2 acres of Stephens Kangaroo Credit from Goldrich Bank is a new line item for \$20,000 as required by the Reserve Management Committee to mitigate southwest stockpile impacts.

**Note 46:** Total Claims Support through December 2000 line item was not part of the revised baseline budget. This line item includes \$2,220,069 for the claims defense on the East and West Dams.

**Note 47:** Dedication Ceremony line item was not part of the revised baseline budget. This line item includes \$174,285 for costs associated with site preparation and overall support of the dedication ceremony.

**Note 48:** West Dam Claim Settlement was not part of the revised baseline budget. This line item includes \$38,000,000 as a result of the mediation agreement with the West Dam contractor to settle all issues.

**Note 49:** Remaining Budget decreased by \$11,419,819 as a result of all the above changes.