

April 16, 1999

To: Board of Directors (Engineering and Operations Committee--Information)
From: General Manager _____
Submitted by: Gary M. Snyder _____
Chief Engineer
Subject: Progress Report on Major Capital Programs

RECOMMENDATION

For information only.

DETAILED REPORT

This is a new report on the progress of capital programs that are under way and will supplement existing reports on Eastside Reservoir, Inland Feeder, and Capital Projects Costing Less Than \$250,000. As part of this first report, only Engineering Division programs have been included; however, other Divisions' capital programs will be added in subsequent reports.

It is proposed to provide this report quarterly and for the contents to include current financial information, accomplishments for the quarter, objectives for next quarter, overall percent complete, and page references to the Capital Program Appendix for Fiscal Year 1998/99

Financial information is presented in graphical form for your consideration as a format for communicating project status. Staff would appreciate feedback on this new report and how it might be modified to better suit the Board's needs.

Table A provides an explanation of items that appear for each program.

LS/lm/mg

Attachment 10-10A

Attachment 10-10B

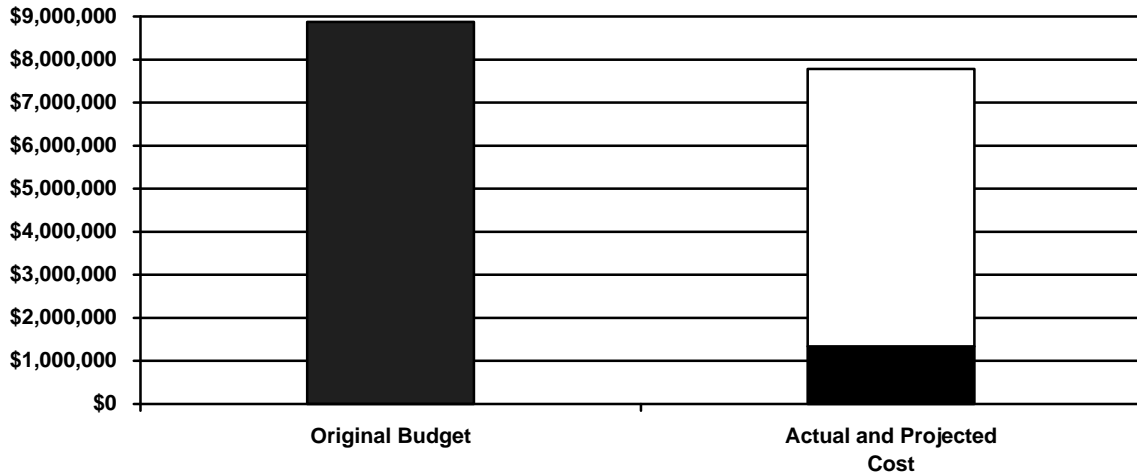
Attachment 10-10A

Table A
Description of Progress Information

Item	Description
Original Budget	The total program estimate of cost from inception to completion of a program when the program is first included in the Capital Program Appendix. (Typically, this amount is a preliminary estimate that is prepared before any design, geotechnical and/or value engineering work has been performed.) For existing programs, it is the total program estimate that was included in the Capital Program Appendix for Fiscal Year 1998/99.
Revised Budget	A revised total program estimate that has appeared in a Board letter's financial statement and is based on a change in project scope or increased understanding as a result of further development of the program.
Projected Cost	The estimate of total project costs based on current scope and progress of the project.
Appropriated Amount	Current total amount of expenditures the General Manager is authorized to spend on a program.
Program Finish	The fiscal year in which the program will be completed, according to the current schedule.
Percent Complete	The percent of work completed.
Capital Program No.	A number that uniquely identifies the program.
Capital Program Page No.	The page in which the program can be found in the Capital Program Appendix for Fiscal Year 1998/99.

Attachment 10-10B

Alameda Corridor - Pipeline Relocations/Protections



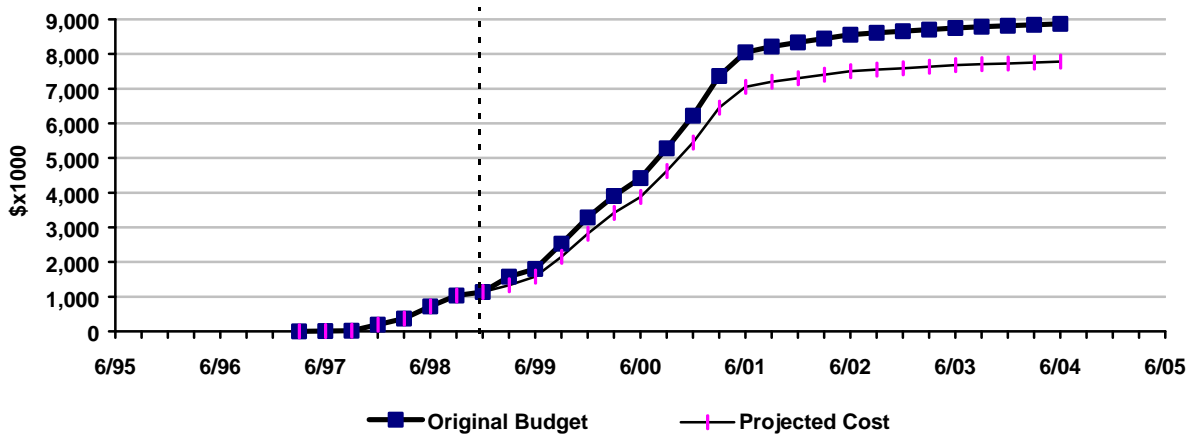
Original Budget:	\$8,875,000	Program Finish:	2003/2004
Projected Cost:	\$7,783,000	Percent Complete:	13 %
Appropriated Amount:	\$8,875,000	Capital Program No.:	15313-A
Actual Expenditures:	\$1,335,104	Capital Program Page No.:	E-1

Accomplishments this quarter:

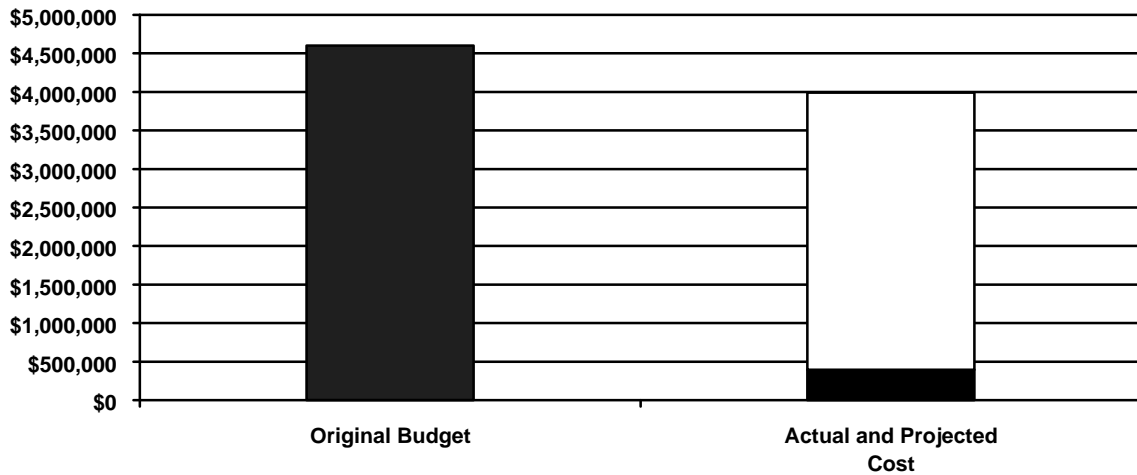
Negotiated a draft agreement on method of payments from the Alameda Corridor Transportation Authority (ACTA) as a result of Metropolitan's successful efforts in Washington D.C. Began negotiations with Tutor-Saliba, regarding relocation design, costs and scheduling issues.

Objectives next quarter:

Continue negotiations with Tutor-Saliba. Develop revised relocation alignment design plan. Finalize pipeline shutdown schedule. Finalize procedures for reimbursement from ACTA. Develop schedules and labor hours estimates for inspection responsibilities. Develop procedures for payment of fabricated pipe material.



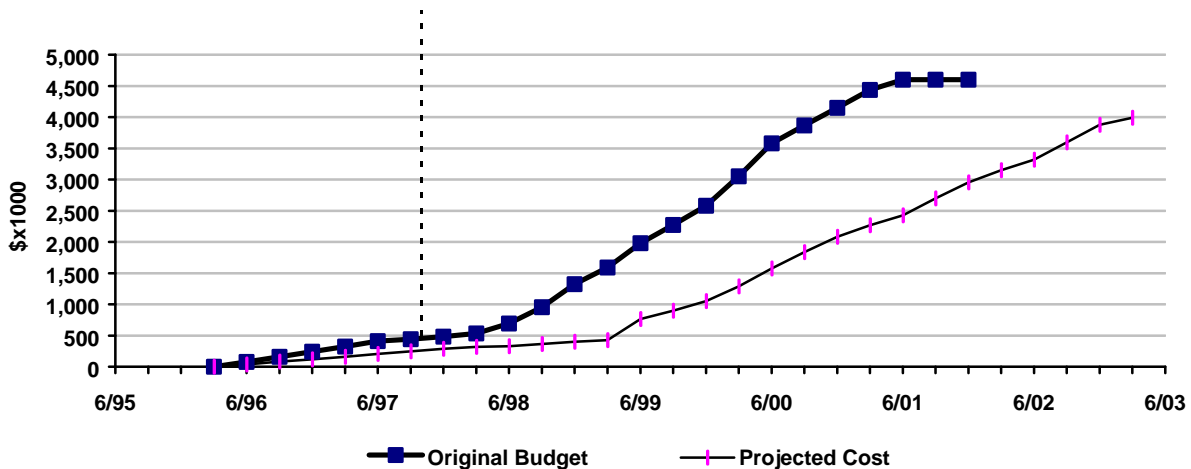
All Facilities - Inspection and Replacement of Critical Vacuum Valves



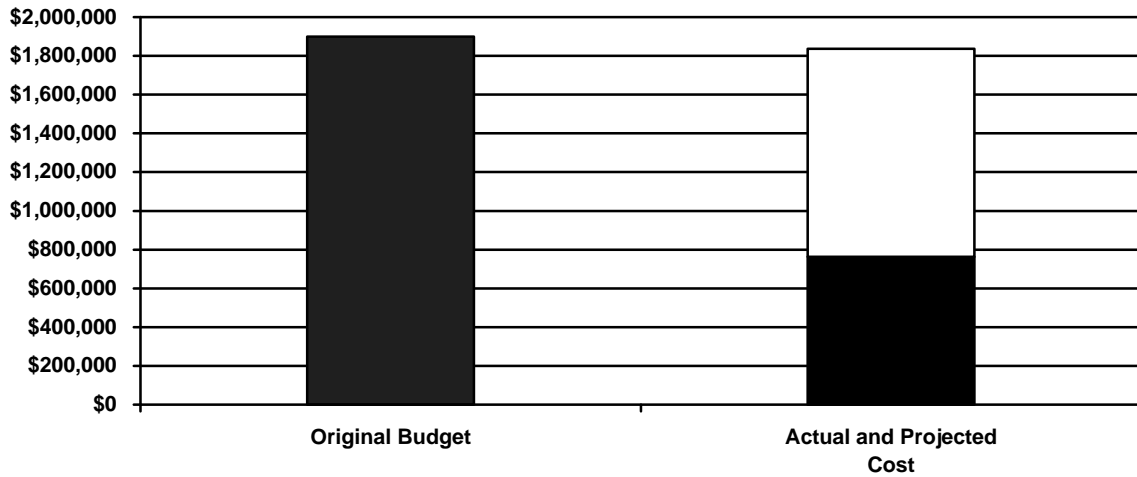
Original Budget:	\$4,600,000	Program Finish:	2002/2003
Projected Cost:	\$3,992,000	Percent Complete:	17 %
Appropriated Amount:	\$4,600,000	Capital Program No.:	15292-A
Actual Expenditures:	\$ 392,550	Capital Program Page No.:	E-2

Accomplishments this quarter: Placed order for 85 Air and Vacuum Release Valves (ARVs). Continued survey and analysis of Air Release (AR) and Vacuum Valves (VVs).

Objectives next quarter: Begin replacement of AR/VVs and ARVs identified by analysis as needing to be replaced. Continue to survey and analyze remaining AR/VVs and ARVs



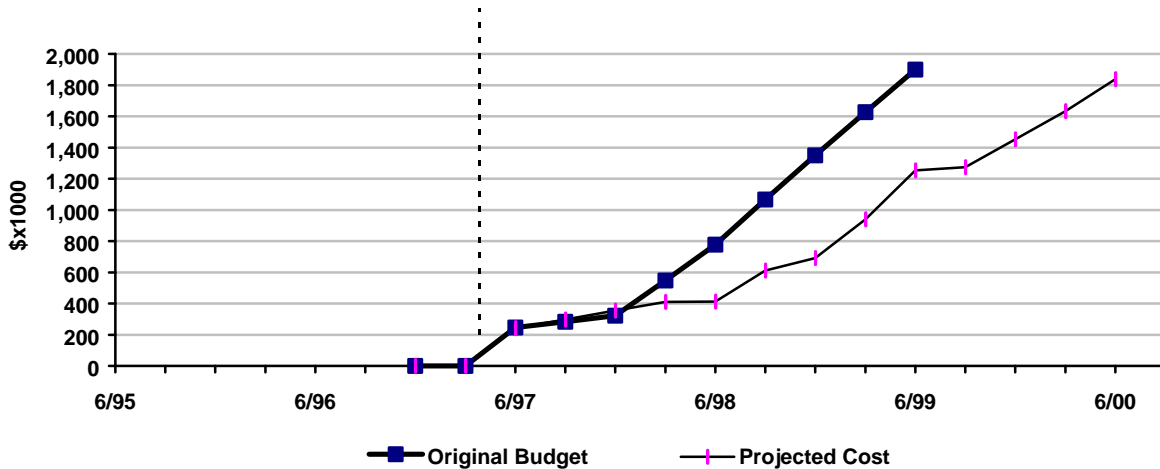
Assess the Condition of Metropolitan’s Prestressed Concrete Cylinder Pipe



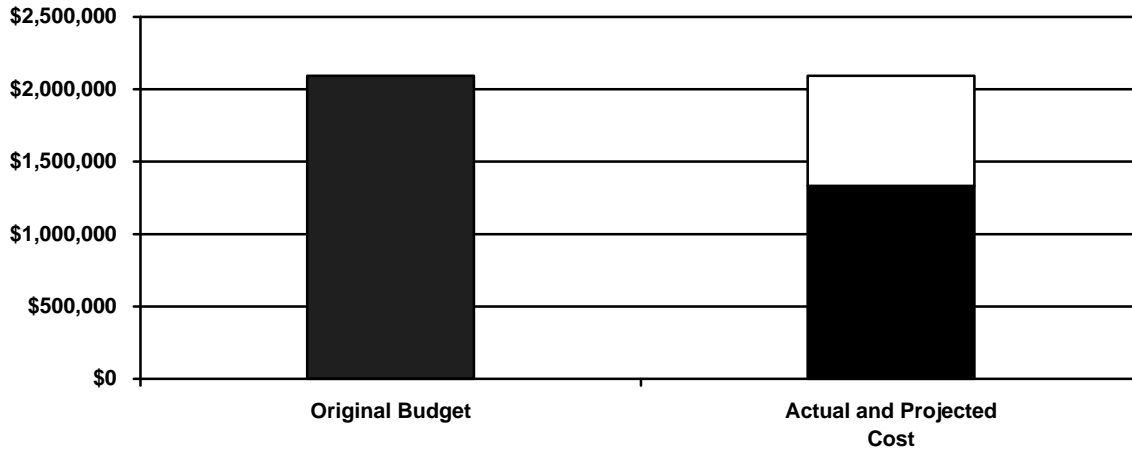
Original Budget:	\$1,900,000	Program Finish:	1999/00
Projected Cost:	\$1,837,000	Percent Complete:	75 %
Appropriated Amount:	\$1,900,000	Capital Program No.:	15297-A
Actual Expenditures:	\$ 762,628	Capital Program Page No.:	E-7

Accomplishments this quarter: Continued researching and/or developing non-destructive techniques for evaluating possible distressed pipe.

Objectives next quarter: Rank pipe for corrosivity risk and develop long-term monitoring/assessment program.



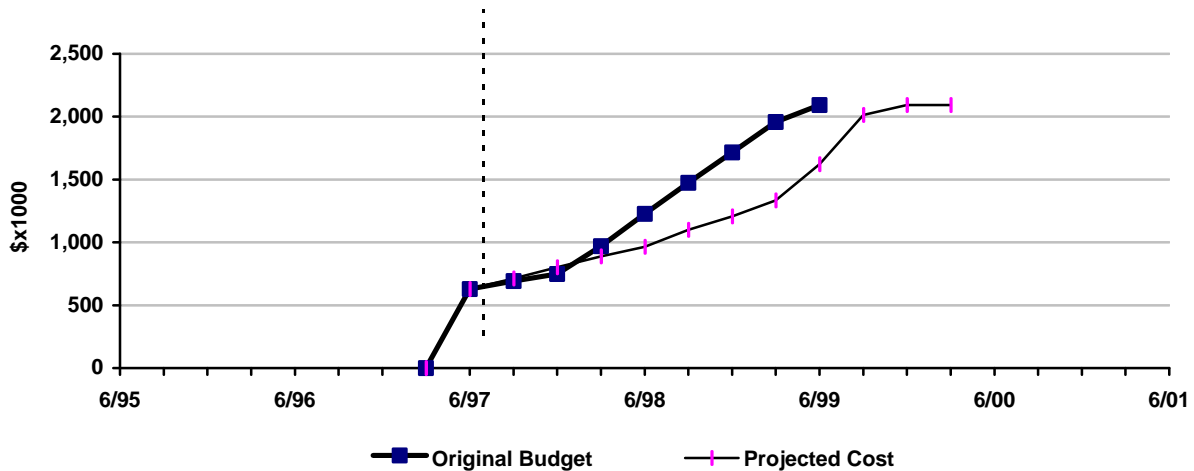
Asset Management System



Original Budget:	\$2,093,400	Program Finish:	1999/00
Projected Cost:	\$2,093,400	Percent Complete:	64%
Appropriated Amount:	\$2,093,400	Capital Program No.:	15293-E
Actual Expenditures:	\$1,333,433	Capital Program Page No.:	E-8

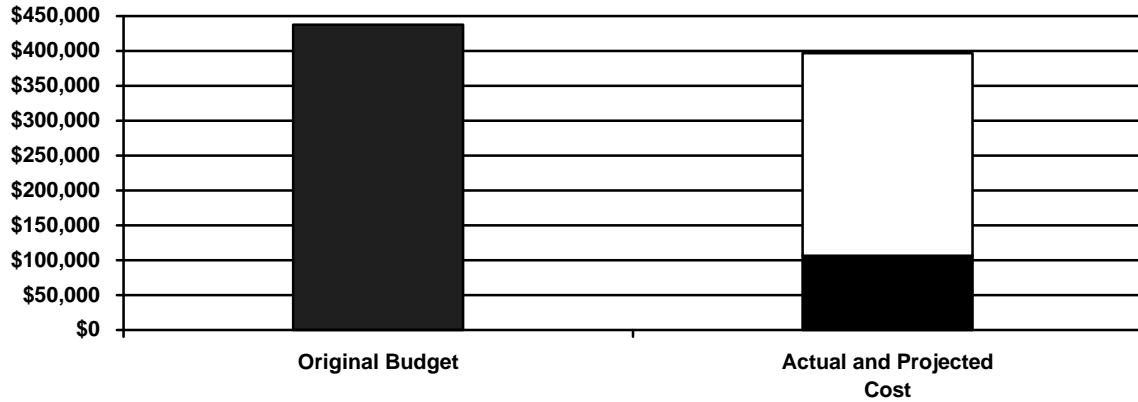
Accomplishments this quarter: Completed alpha version of database portion of the Asset Information Management System (AIMS). Started parcel data collection/field inspections. Completed beta version of data browser and web enabled research tools.

Objectives next quarter: Complete database portion of AIMS, continue parcel data collection/field inspections. Complete web research, continue work on data browser.



Black Metal Mountain - Develop Communication Site

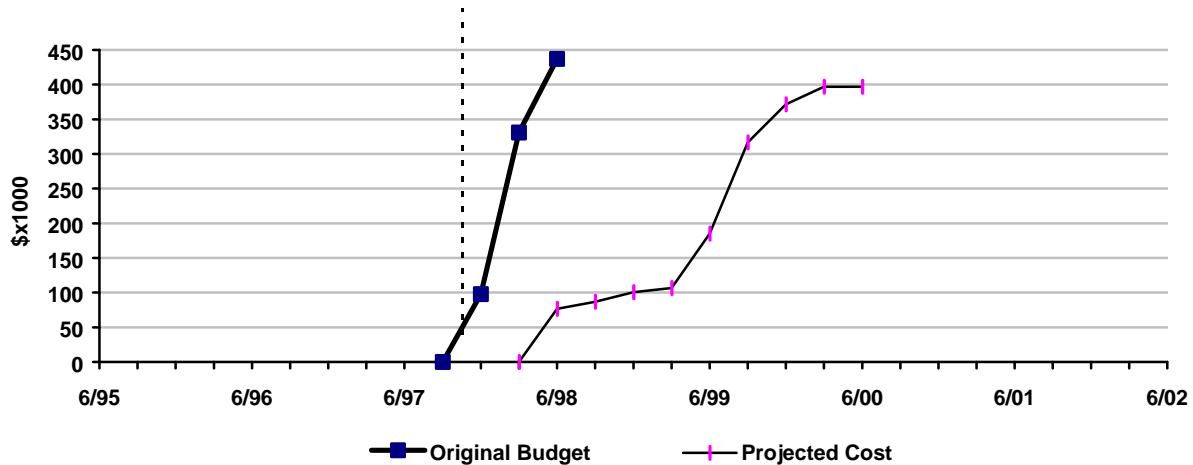
*Program was out-of-budget and program estimate was reflected in Board Action No. 1 (Nov. 97)



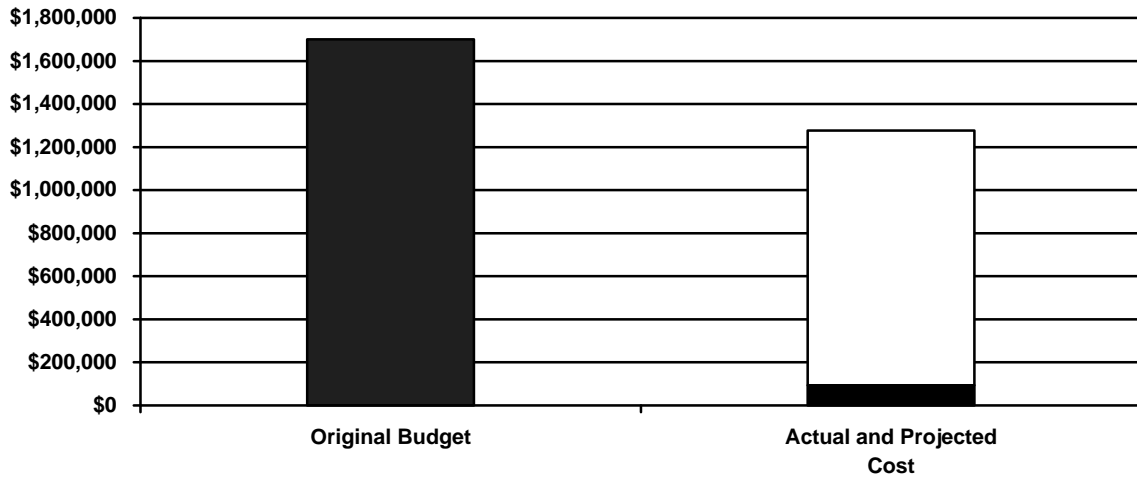
Original Budget:	\$437,700	Program Finish:	1999/00
Projected Cost:	\$396,700	Percent Complete:	72%
Appropriated Amount:	\$437,700	Capital Program No.:	N/A *
Actual Expenditures:	\$106,533	Capital Program Page No.:	N/A *

Accomplishments this quarter: Completed procurement of generator and tower. Proceeded with procurement of building. Began to acquire equipment for tower.

Objectives next quarter: Complete tower and building foundation construction. Procure and install building, and erect tower.



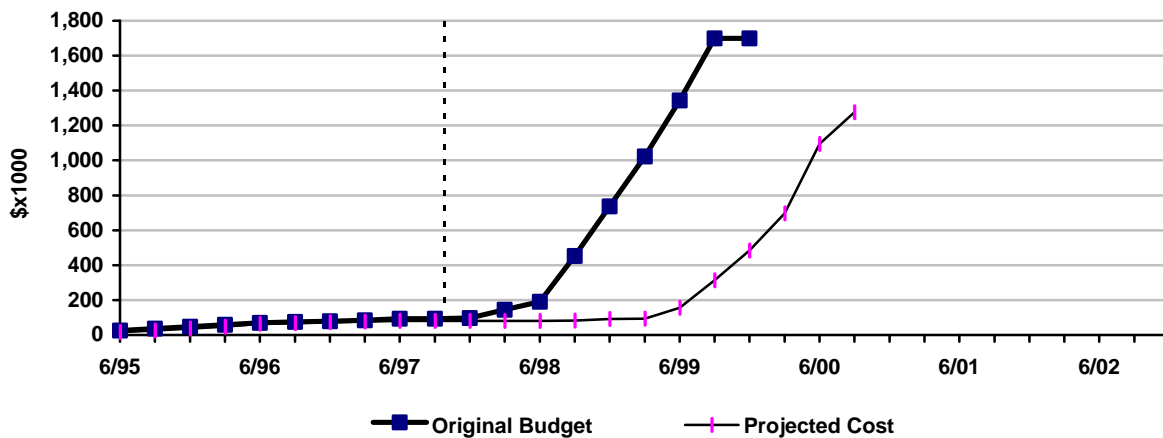
Cabazon Radial Gate Facility Improvements



Original Budget:	\$1,700,000	Program Finish:	1999/00
Projected Cost:	\$1,276,000	Percent Complete:	18%
Appropriated Amount:	\$ 456,000	Capital Program No.:	15320-A
Actual Expenditures:	\$ 93,427	Capital Program Page No.:	E-10

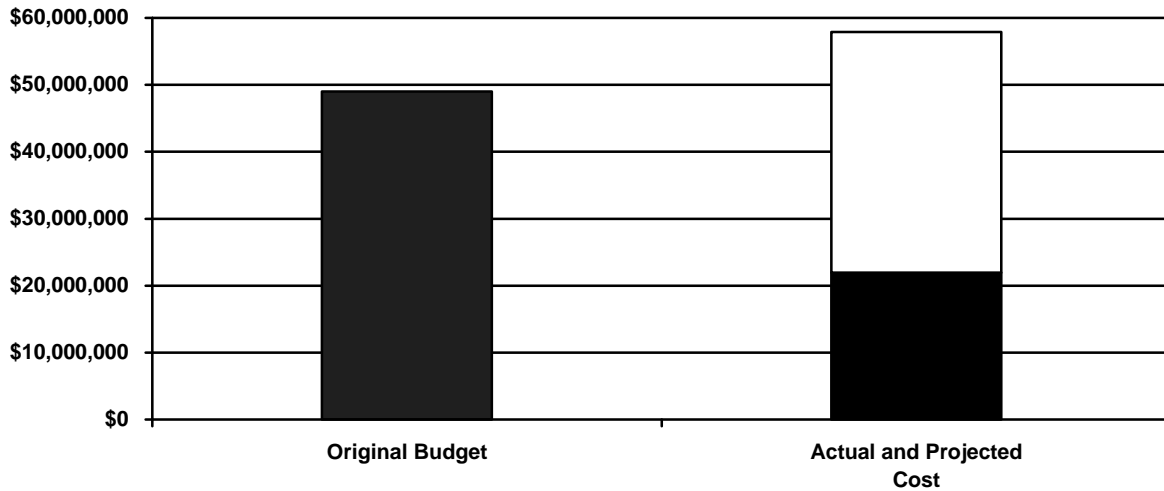
Accomplishments this quarter: Began preliminary design. Consultant started hydraulic analysis.

Objectives next quarter: Complete hydraulic analysis and preliminary design. Begin final design.



Central Pool Augmentation and Water Quality Project - Study and Land Acquisition

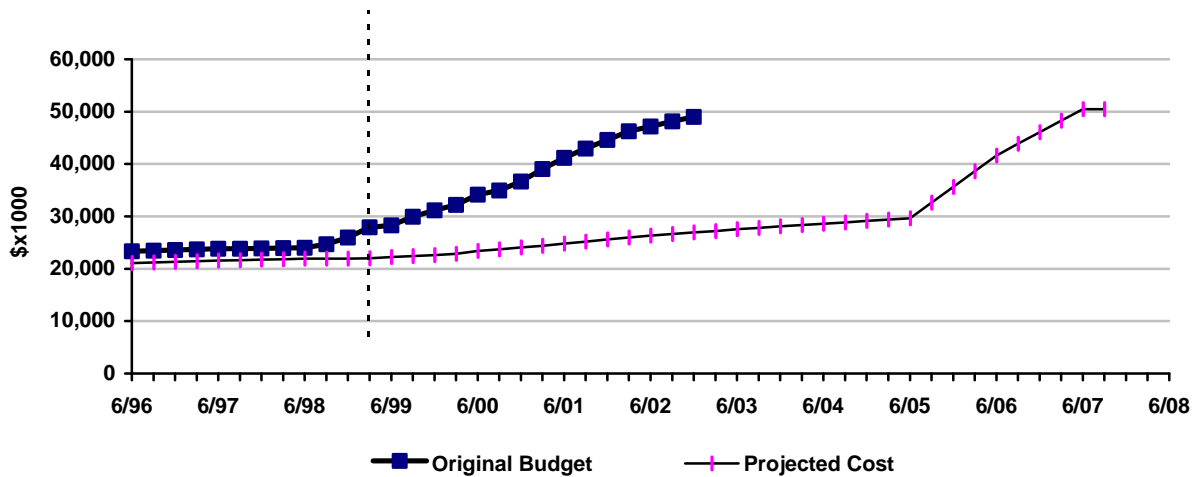
Projected cost includes additional escalation due to shift in much of the projected property acquisition expenditures beyond 2004/05



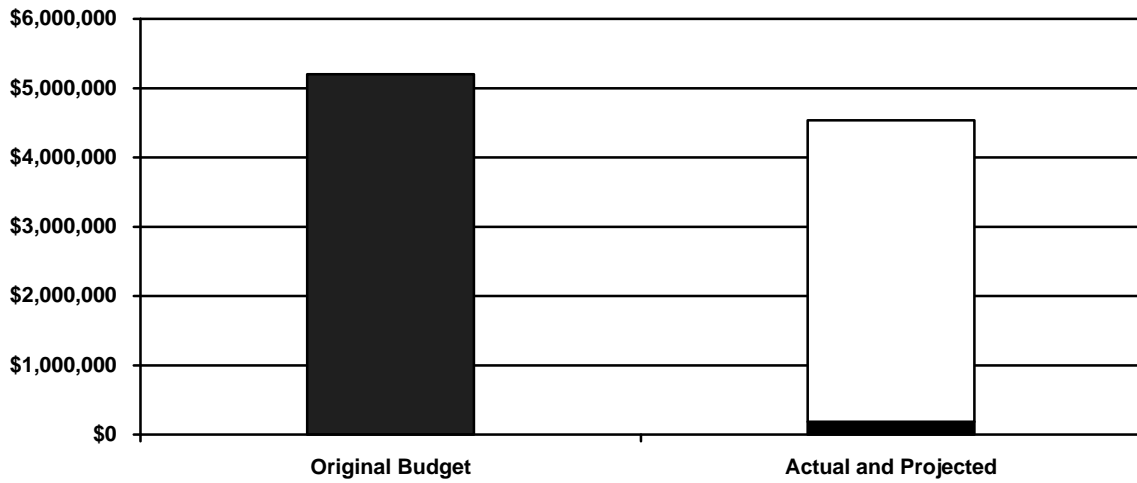
Total Budget:	\$49,000,000	Program Finish:	2006/07
Projected Cost:	\$57,900,000	Percent Complete:	39%
Appropriated Amount:	\$23,051,000	Capital Program No.:	15119-S
Actual Expenditures:	\$21,966,186	Capital Program Page No.:	E-17

Accomplishments this quarter: Coordinated with the City of Corona on proposed zoning changes in the vicinity of future treatment plant and proposed pipeline alignment. Coordinated with property owners in the Temescal area concerned with the annexation issues proposed by City of Corona.

Objectives next quarter: Continue the right-of-way studies and appraisals for key property sites under threat of development. Continue negotiations on a key property site in the Temescal area of the County of Riverside. Complete obligations under the Board approved Authorization No. 6 to finance participation in the Orange County Natural Communities Conservation Plan.



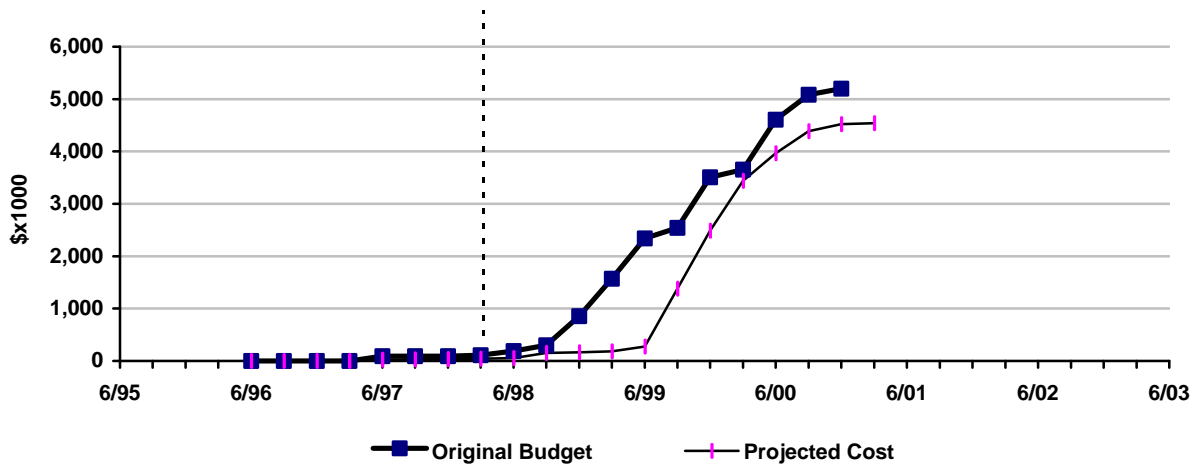
Desert Facilities - Fire Protection Upgrade



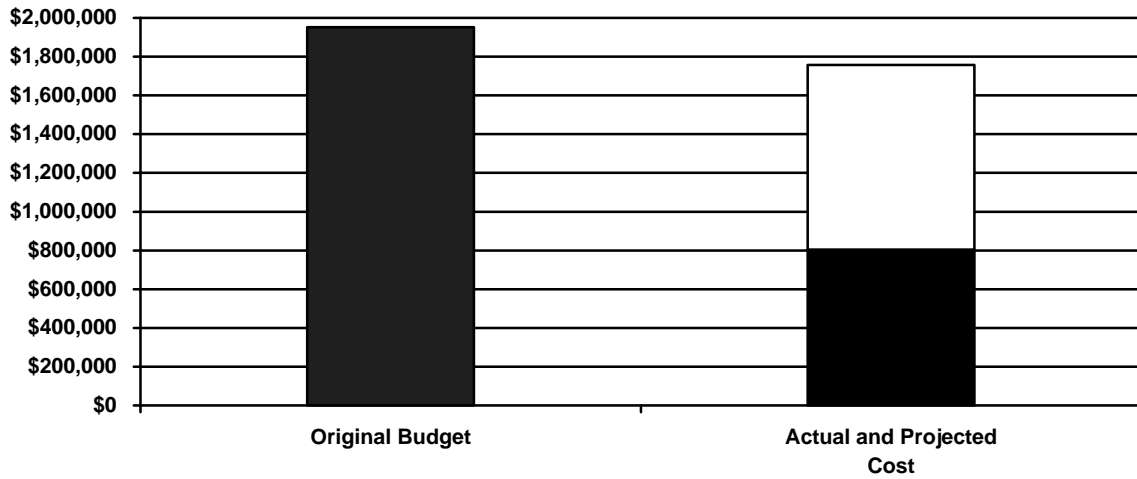
Original Budget:	\$5,200,000	Program Finish:	2000/01
Projected Cost:	\$4,538,000	Percent Complete:	5%
Appropriated Amount:	\$ 200,000	Capital Program No.:	15317-A
Actual Expenditures:	\$ 183,551	Capital Program Page No.:	E-22

Accomplishments this quarter: Completed specifications and advertised notice inviting bids.

Objectives next quarter: Open bids and award contract.



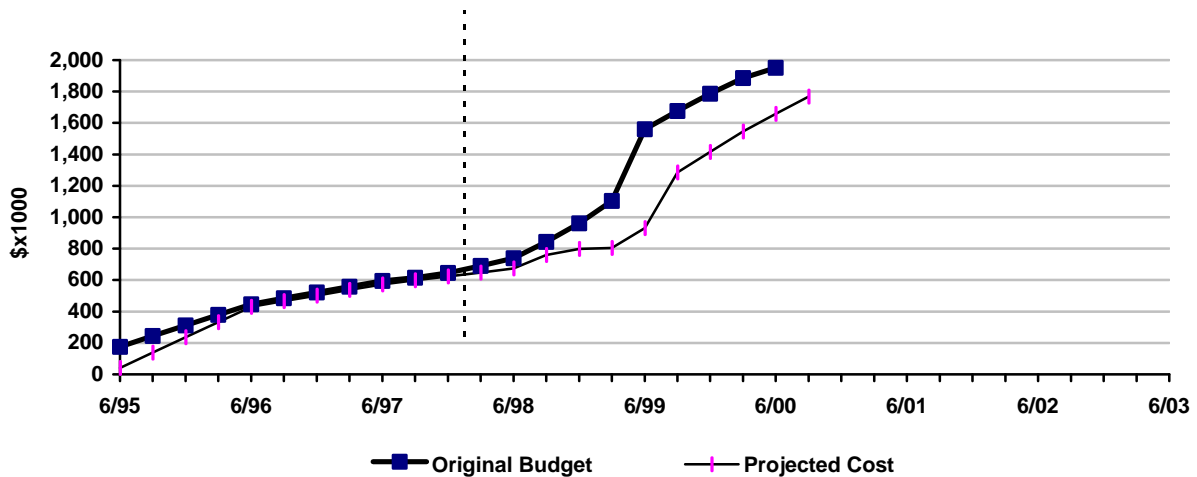
Desert Land Acquisition



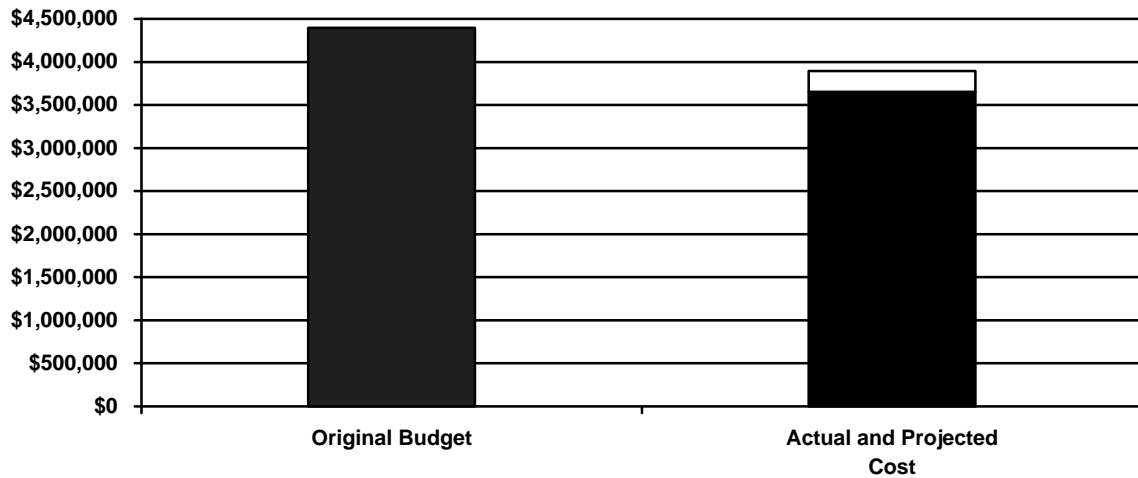
Original Budget:	\$1,952,000	Program Finish:	1999/00
Projected Cost:	\$1,768,000	Percent Complete:	66%
Appropriated Amount:	\$1,952,000	Capital Program No.:	15267-A
Actual Expenditures:	\$ 803,480	Capital Program Page No.:	E-23

Accomplishments this quarter: Coordinated preparation of draft patent language to effect the exchange of property between the Bureau of Land Management (BLM), Metropolitan and the California State Land Commission

Objectives next quarter: Complete review and finalize patent for land exchange between BLM, Metropolitan and California State Land Commission. Close escrow and transfer title to respective entities.



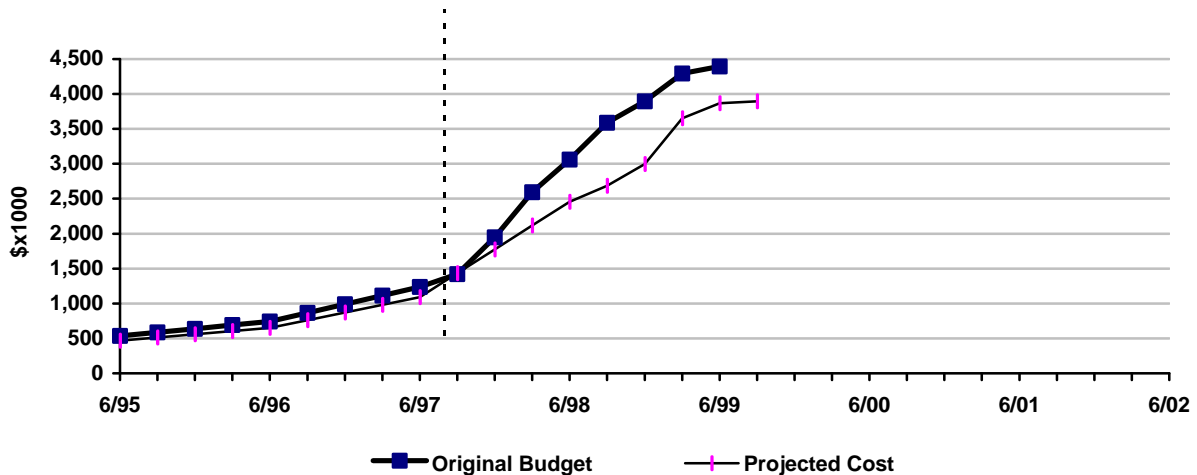
Diemer and Weymouth Filtration Plants - Install Emergency Generators



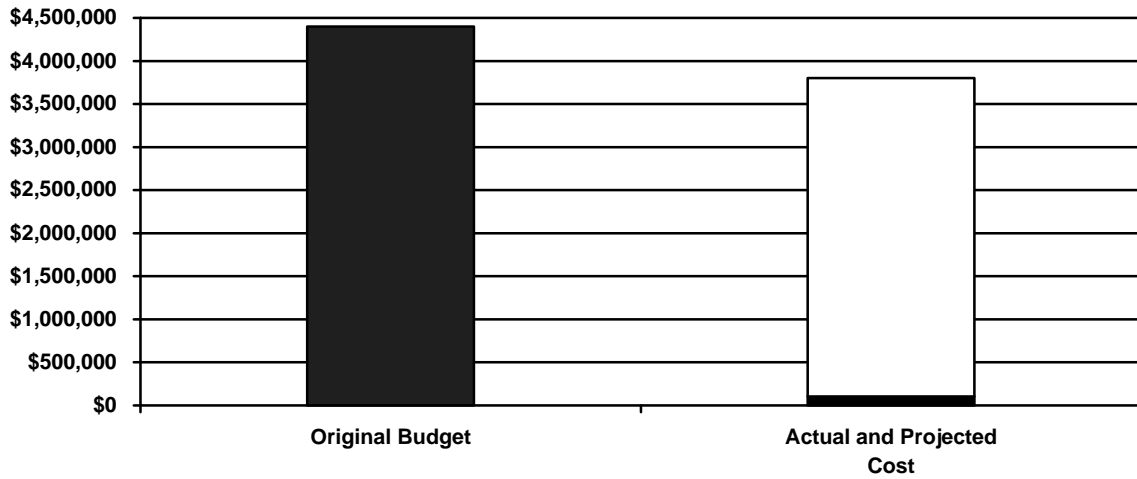
Total Budget:	\$4,395,000	Program Finish:	1999/00
Projected Cost:	\$3,895,000	Percent Complete:	90%
Appropriated Amount:	\$4,395,000	Capital Program No.:	15242-A
Actual Expenditures:	\$3,650,931	Capital Program Page No.:	E-24

Accomplishments this quarter: Continued working on Diemer plant as-built drawings. Completed the Weymouth plant construction phase.

Objectives next quarter: Complete as-built drawings for Diemer plant. Start working on as-built drawings, instruction manuals and furnish equipment submittal for Weymouth emergency generator .



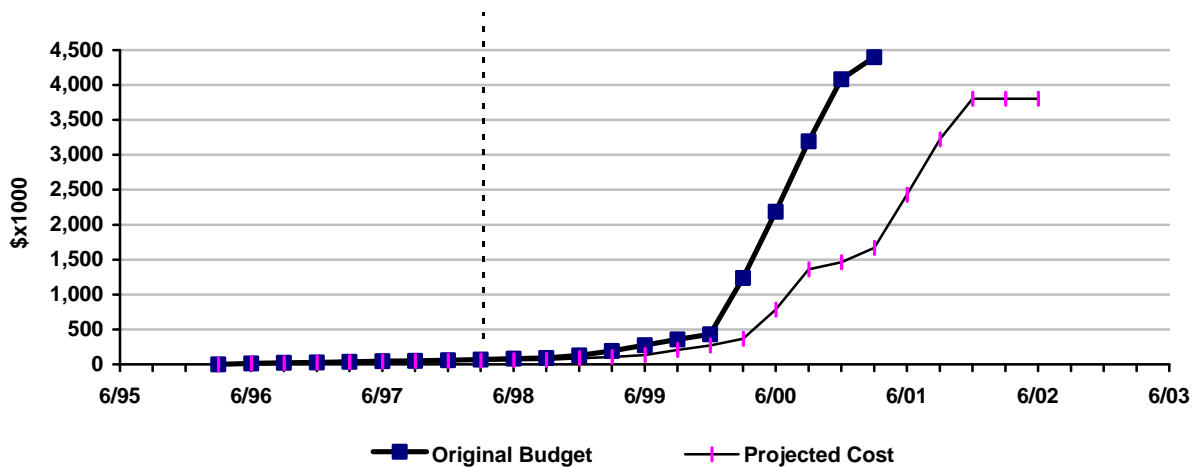
Diemer Filtration Plant - Construct Sedimentation Basin Spillways



Original Budget:	\$4,400,000	Program Finish:	2001/02
Projected Cost:	\$3,801,000	Percent Complete:	3%
Appropriated Amount:	\$1,600,000	Capital Program No.:	15331-A
Actual Expenditures:	\$ 105,335	Capital Program Page No.:	E-26

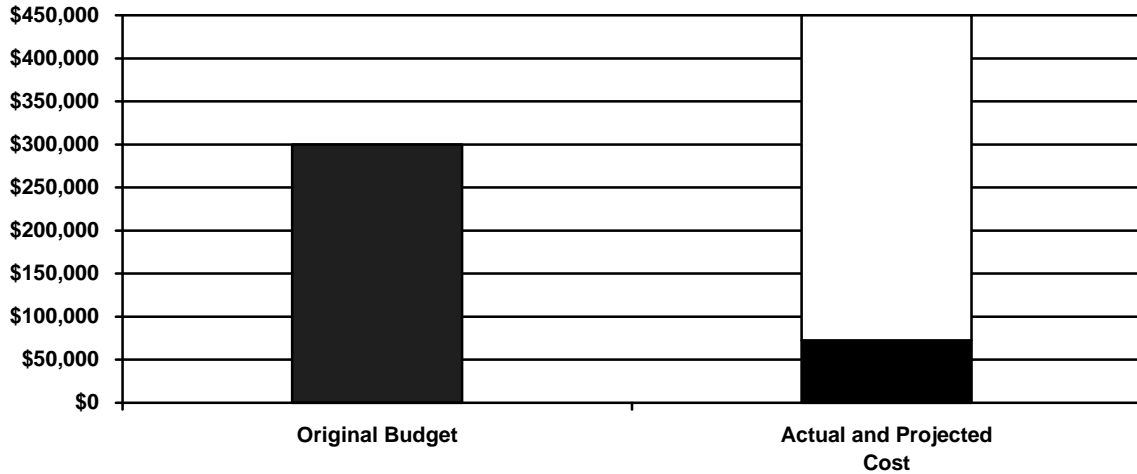
Accomplishments this quarter: Completed preliminary design, obtained Board authorization and funding. Started final design for Basin No. 4 spillway.

Objectives next quarter: Continue final design. Continue environmental impact review of Basin No. 8 spillway.



Diemer Filtration Plant - East Washwater Tank Relining

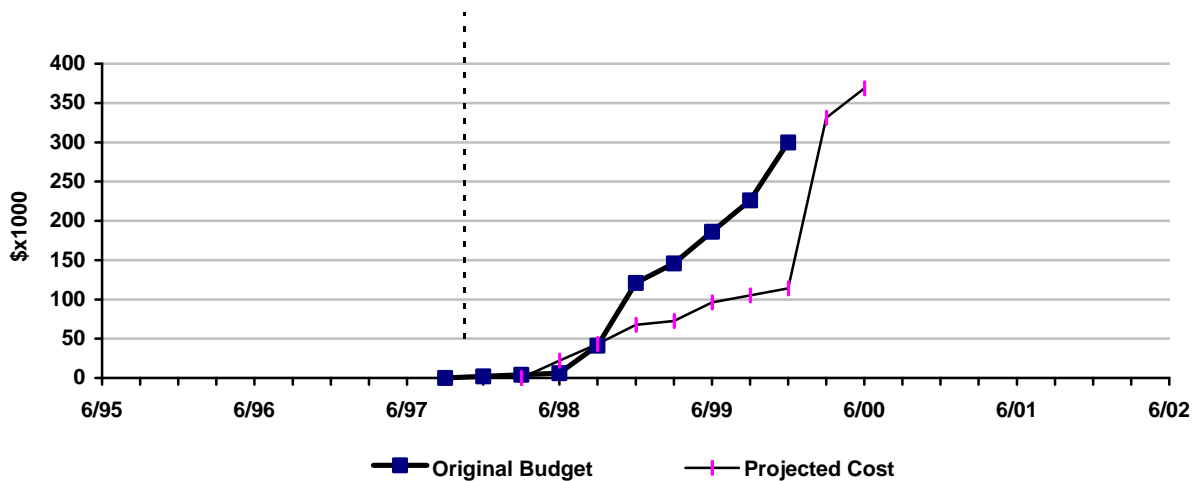
Projected cost is greater than the FY 98/99 Original Budget estimate due to higher than anticipated construction bids. The FY 99/00 Capital Program reflects this increase.



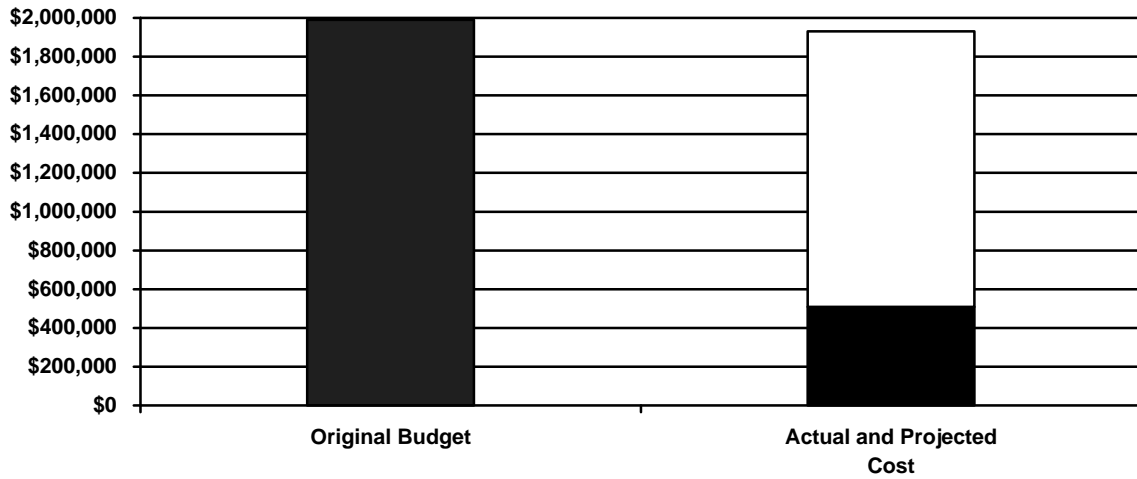
Original Budget:	\$300,000	Program Finish:	1999/00
Projected Cost:	\$450,000	Percent Complete:	34%
Appropriated Amount:	\$300,000	Capital Program No.:	98917
Actual Expenditures:	\$ 72,531	Capital Program Page No.:	E-29

Accomplishments this quarter: Continued design.

Objectives next quarter: Modify specifications for re-advertising.



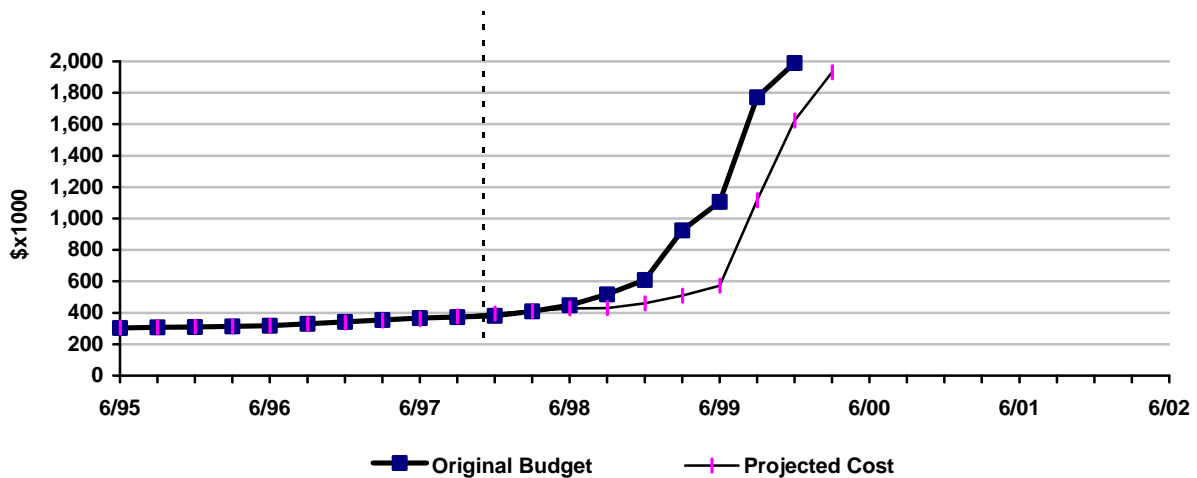
Diemer Filtration Plant - Mixing and Settling Basin No. 8 - North Slope Remediation



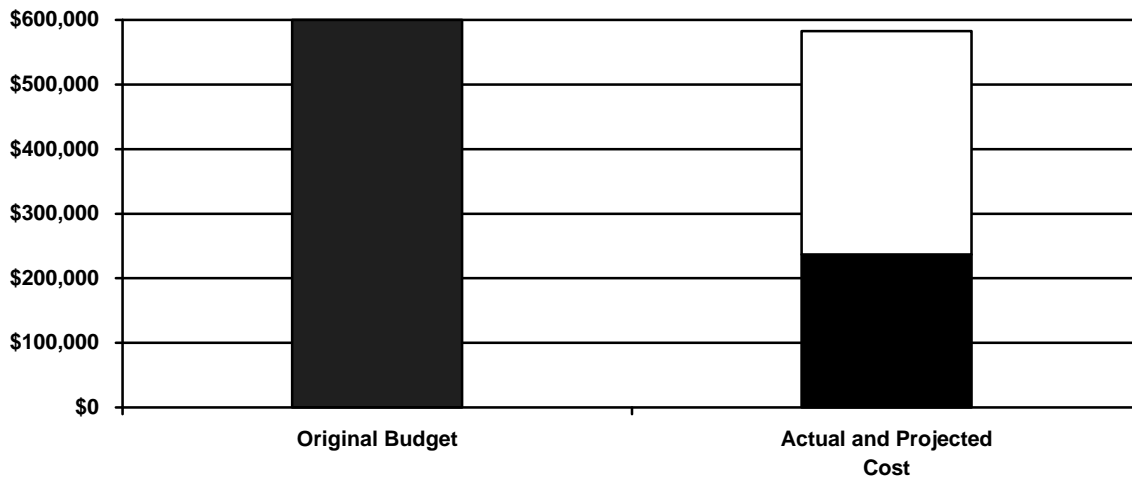
Original Budget:	\$1,990,000	Program Finish:	1999/00
Projected Cost:	\$1,931,000	Percent Complete:	29%
Appropriated Amount:	\$ 560,000	Capital Program No.:	15220-A
Actual Expenditures:	\$ 508,375	Capital Program Page No.:	E-27

Accomplishments this quarter: Completed plans and specification for advertisement.

Objectives next quarter: Advertise for bid, open, and award contract.



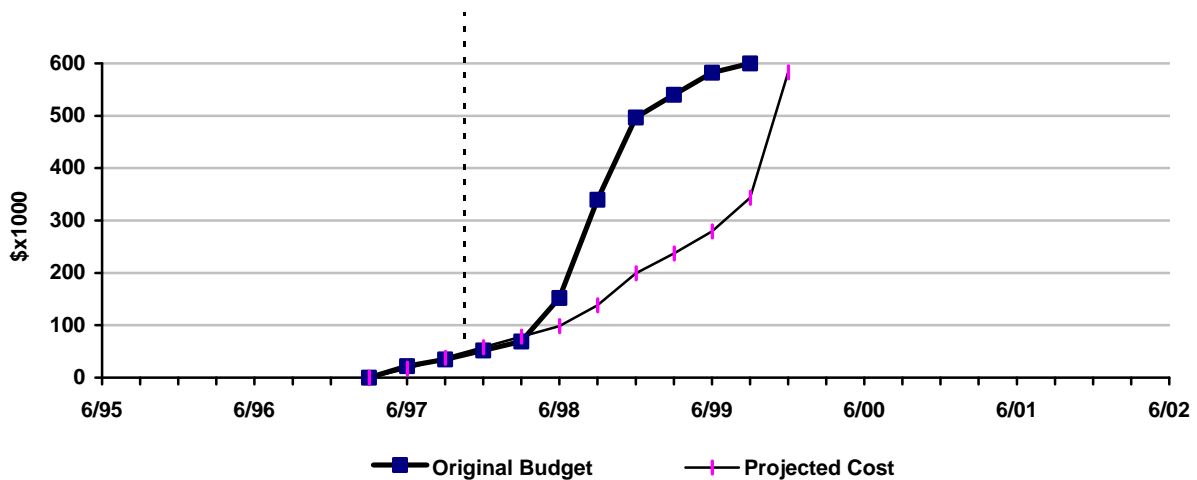
Diemer Filtration Plant - Site Engineering Study



Original Budget:	\$600,000	Program Finish:	1999/00
Projected Cost:	\$583,000	Percent Complete:	57%
Appropriated Amount:	\$600,000	Capital Program No.:	15321-A
Actual Expenditures:	\$236,808	Capital Program Page No.:	E-30

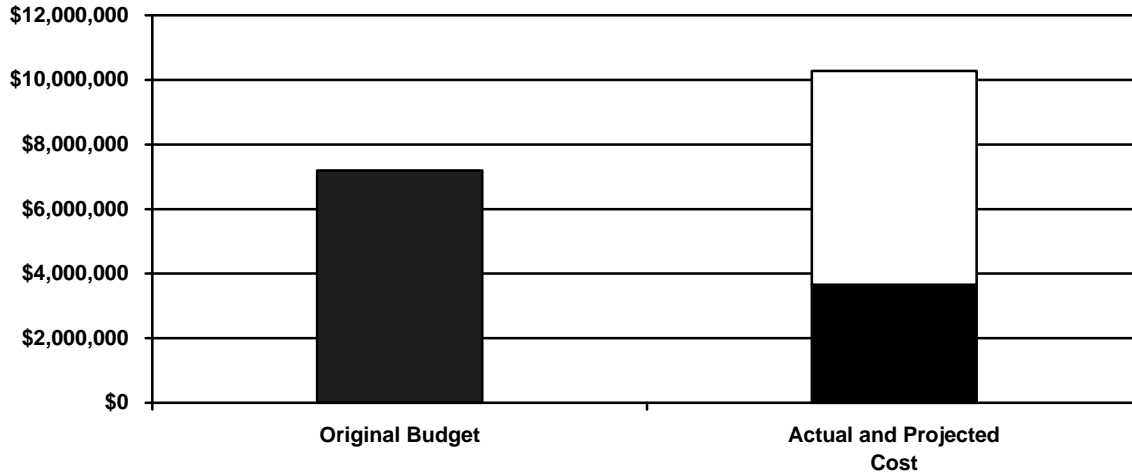
Accomplishments this quarter: Reviewed and commented on proposed Diemer architectural theme.

Objectives next quarter: Review and comment on draft Architectural Design Guidelines



Diemer Land Acquisition, Habitat Conservation Plan, and Site Grading

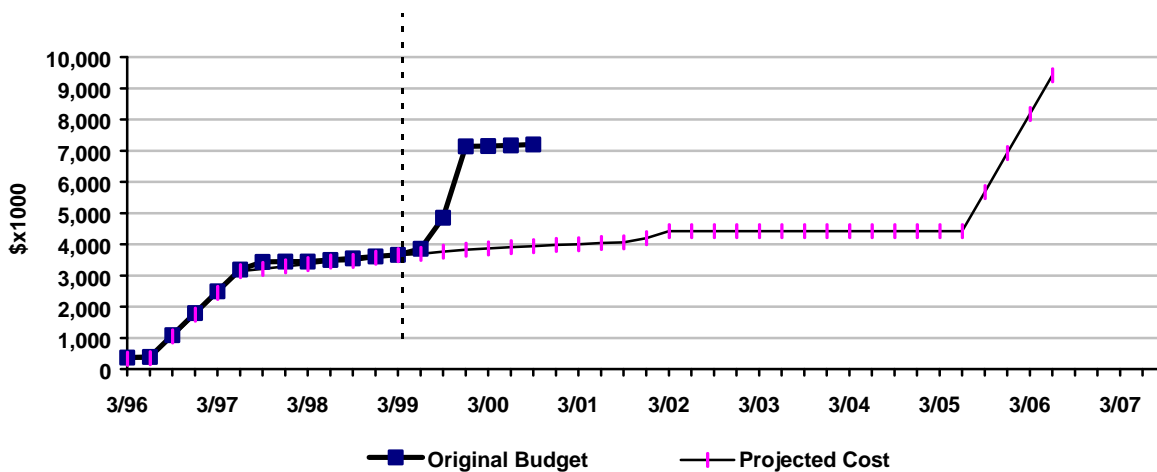
Projected cost includes increase in scope due to expanded area of grading



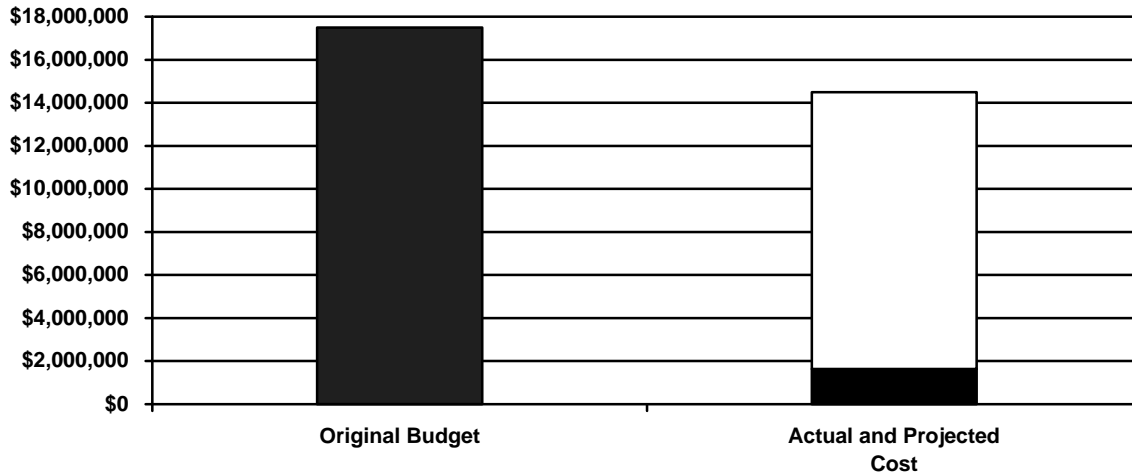
Original Budget:	\$ 7,196,700	Program Finish:	2005/06
Projected Cost:	\$10,275,000	Percent Complete:	36%
Appropriated Amount:	\$ 4,295,000	Capital Program No.:	15227-L
Actual Expenditures:	\$ 3,653,433	Capital Program Page No.:	E-31

Accomplishments this quarter: Prepared a letter to the adjacent developer requesting a Memorandum of Understanding (MOU).

Objectives next quarter: Draft the MOU and review the draft geotechnical report.



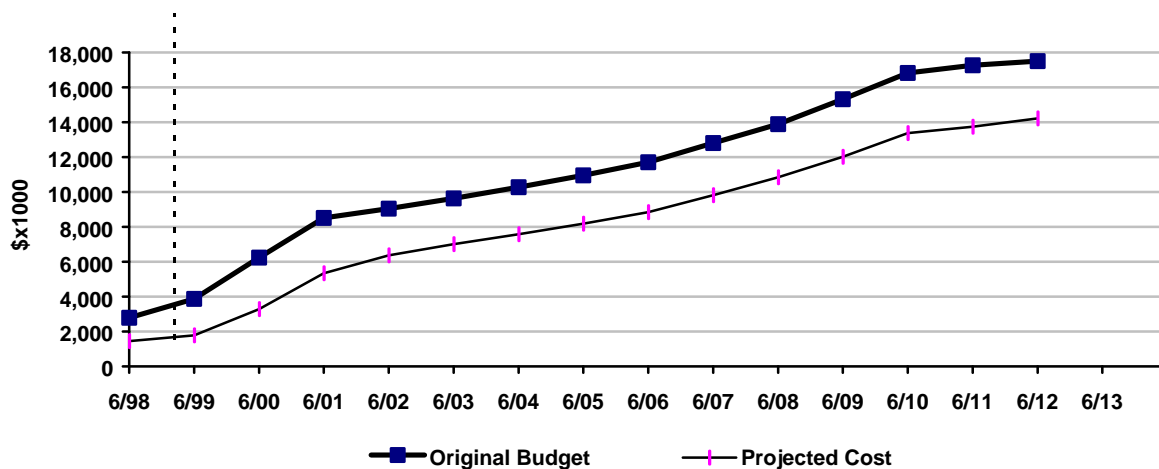
Filtration Plants, Distribution System and Colorado River Aqueduct - Backflow Prevention Assemblies



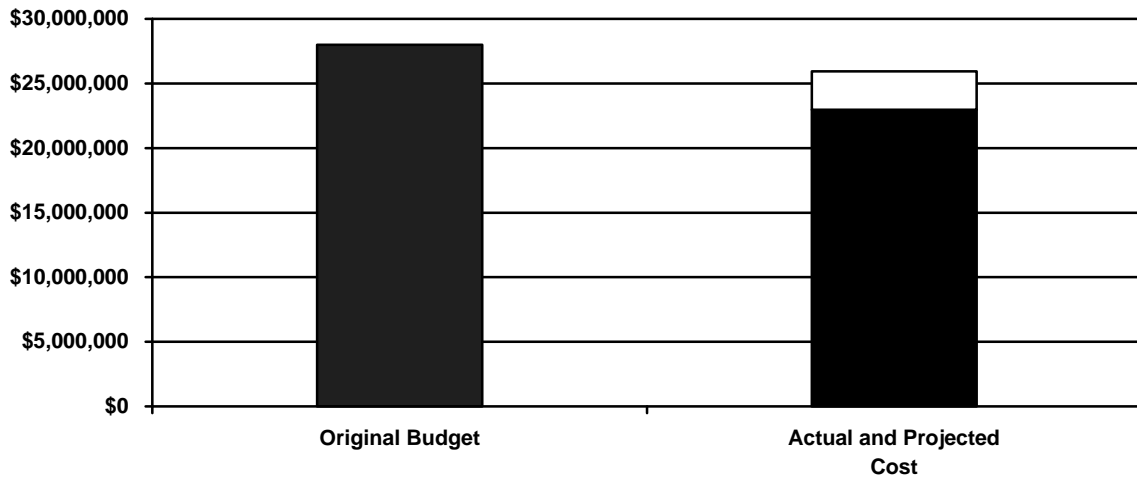
Original Budget:	\$17,500,000	Program Finish:	2011/12
Projected Cost:	\$14,487,000	Percent Complete:	11%
Appropriated Amount:	\$ 3,725,000	Capital Program No.:	15171
Actual Expenditures:	\$ 1,631,503	Capital Program Page No.:	E-37

Accomplishments this quarter: Completed first phase - Relocation of 46 Air Release and Vacuum Valves. Completed preliminary design report for Weymouth cross-connection.

Objectives next quarter: Develop budget and schedule for second phase. Request second phase funding and continue field survey.



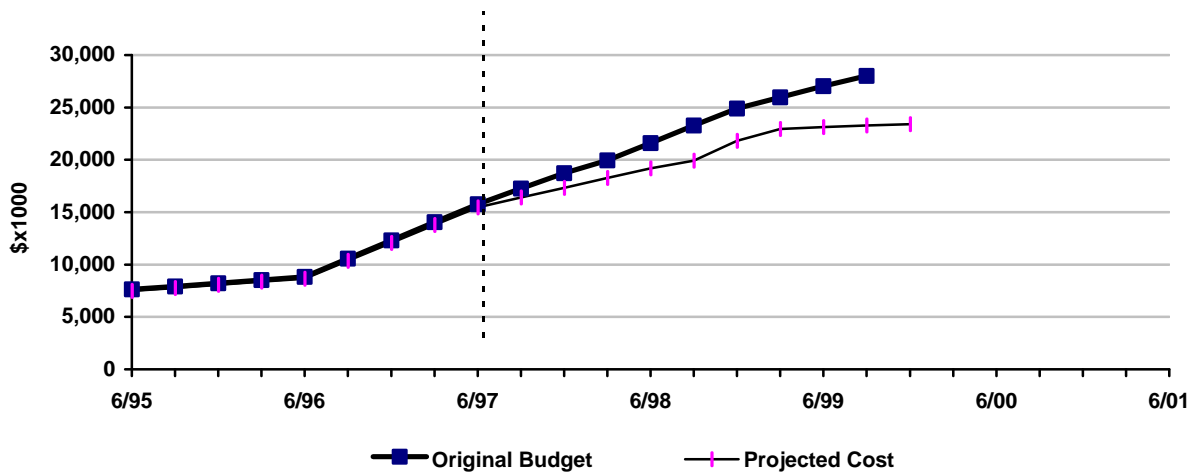
Garvey Reservoir Repair



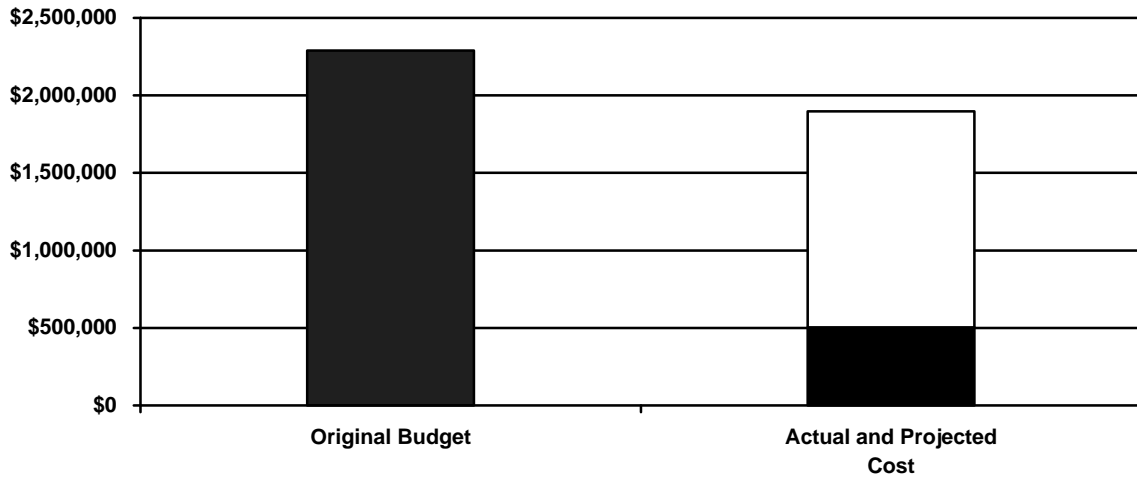
Original Budget:	\$28,000,000	Program Finish:	1999/00
Projected Cost:	\$25,933,000	Percent Complete:	83%
Appropriated Amount:	\$28,000,000	Capital Program No.:	15203-A
Actual Expenditures:	\$22,955,377	Capital Program Page No.:	E-38

Accomplishments this quarter: Continued construction of the floating cover.

Objectives next quarter: Complete construction, testing, final contractor sign off and replacement of the domestic water line around the perimeter of the reservoir.



Infrastructure Review and Rehabilitation



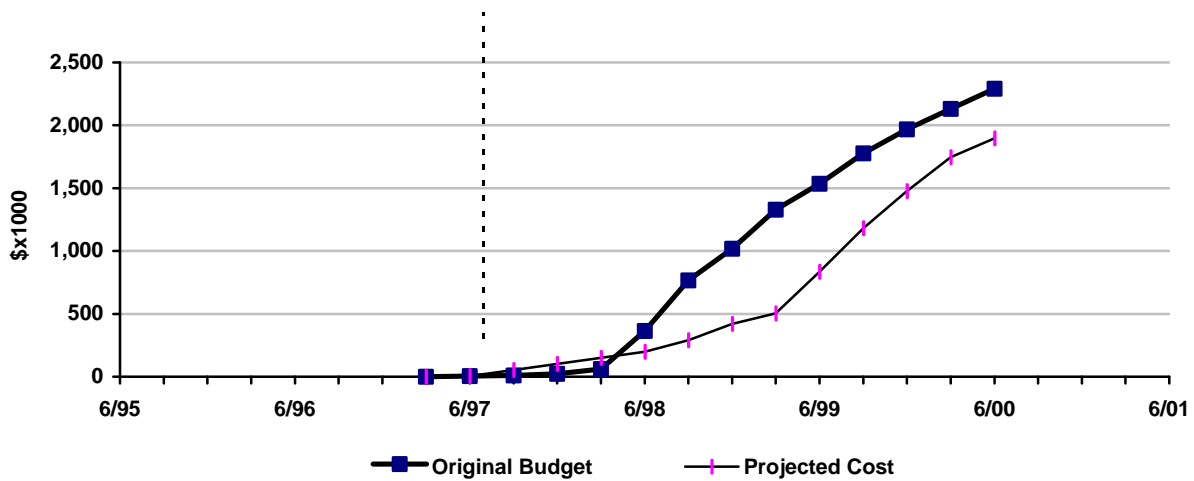
Original Budget:	\$2,290,000	Program Finish:	1999/00
Projected Cost:	\$1,897,000	Percent Complete:	38%
Appropriated Amount:	\$2,290,000	Capital Program No.:	15312-A
Actual Expenditures:	\$ 503,762	Capital Program Page No.:	E-42

Accomplishments this quarter:

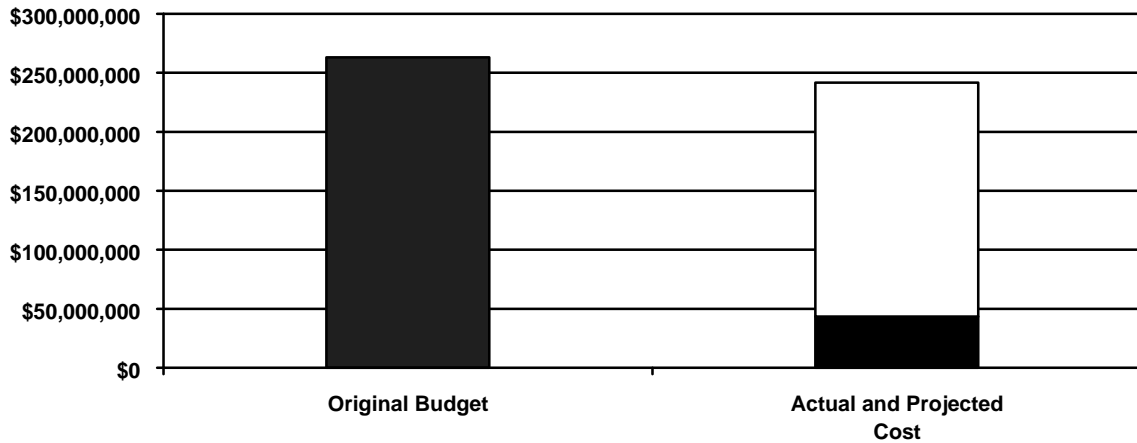
Field survey and office programming continued to improve the accuracy of MWD's pipeline data. Staff completed final editing on water discharge study. Continued the development of design drawings for the installation of instrumentation to monitor water surface elevations and dam seepage rates. Processed purchase order for 23 strong motion sensors.

Objectives next quarter:

Complete the water discharge study. Complete plans for fabrication of weirs for measuring seepage rates. Install 23 motion sensors at various Metropolitan reservoirs.



Jensen & Mills Filtration Plants - Oxidation Retrofit



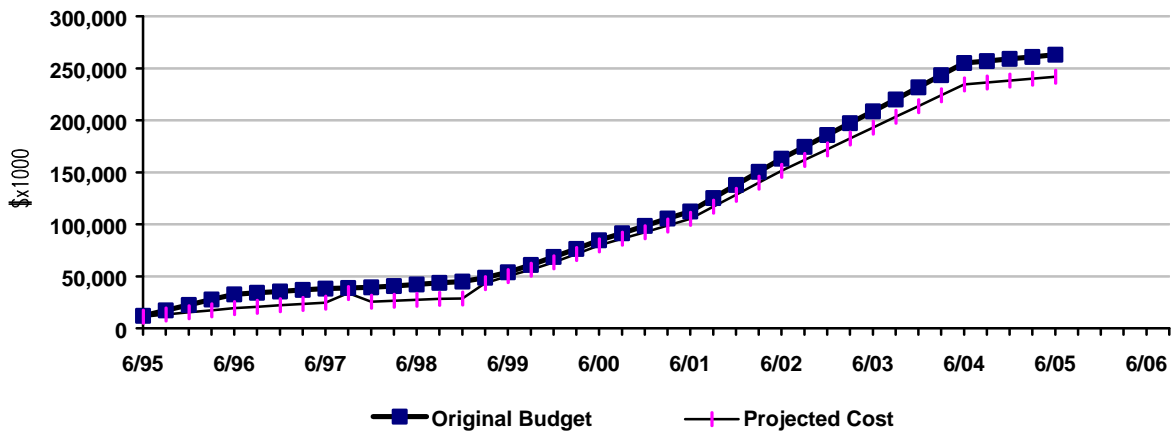
Original Budget:	\$263,000,000	Program Finish:	2004/05
Projected Cost:	\$241,704,000	Percent Complete:	17%
Appropriated Amount:	\$ 78,700,000	Capital Program No.:	15173-A
Actual Expenditures:	\$ 43,403,845	Capital Program Page No.:	E-44

Accomplishments this quarter:

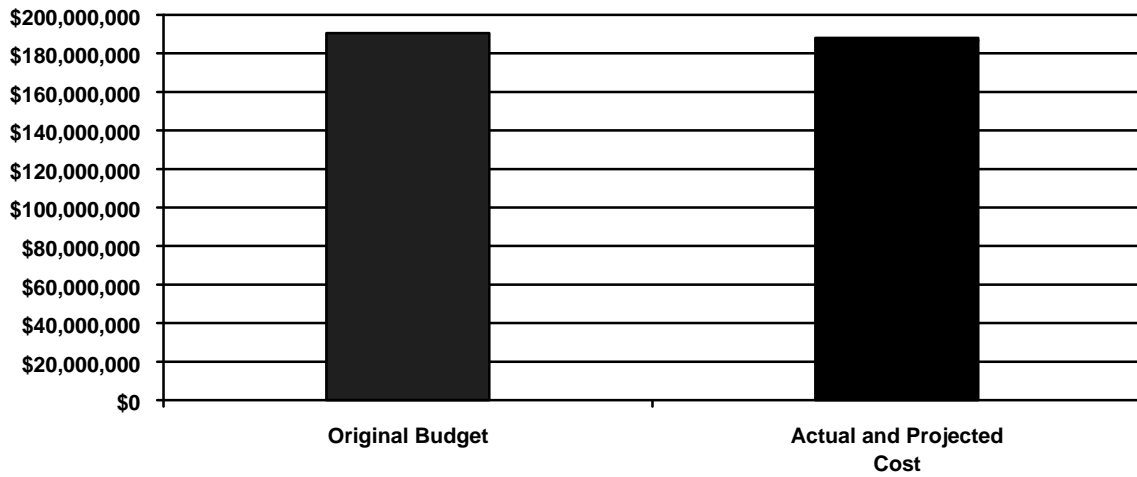
Contract for the supply of oxygen and ozone equipment for the Jensen and Mills plants was awarded in February. Final review of the Mills ORP general construction specification was completed. The construction specification for the Jensen service center and vehicle maintenance center was advertised and bids were received. Engineering for the Jensen ORP general construction specification was re-initiated.

Objectives next quarter:

Review of initial vendor submittals will commence for the oxygen and ozone equipment. The bid package for Mills ORP general construction specification will be completed and the work will be advertised for bid. The recommendation for award of the Jensen service center and vehicle maintenance center construction will be forwarded to the Board for action. Final design of the Jensen ORP general construction specification will continue.



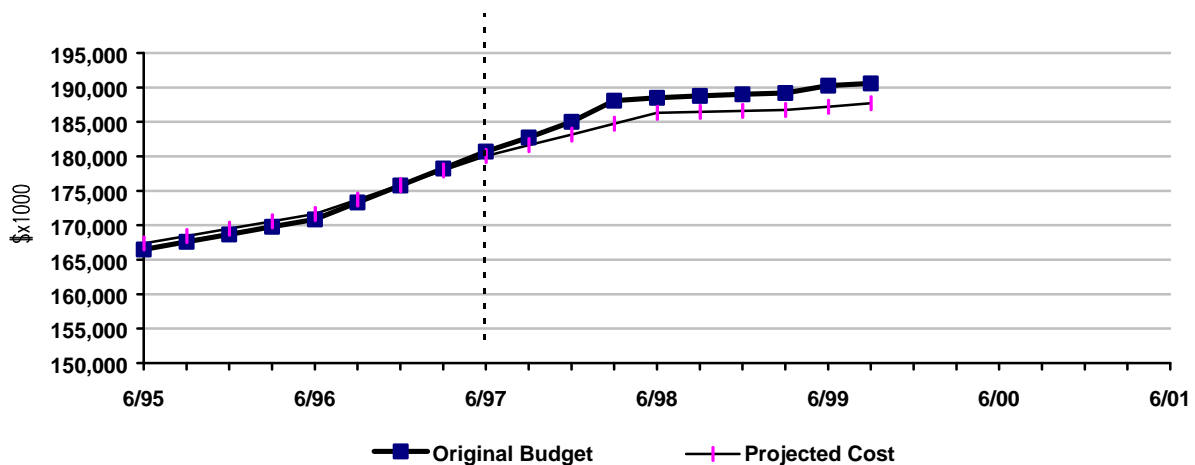
Jensen Filtration Plant - Expansion No. 1



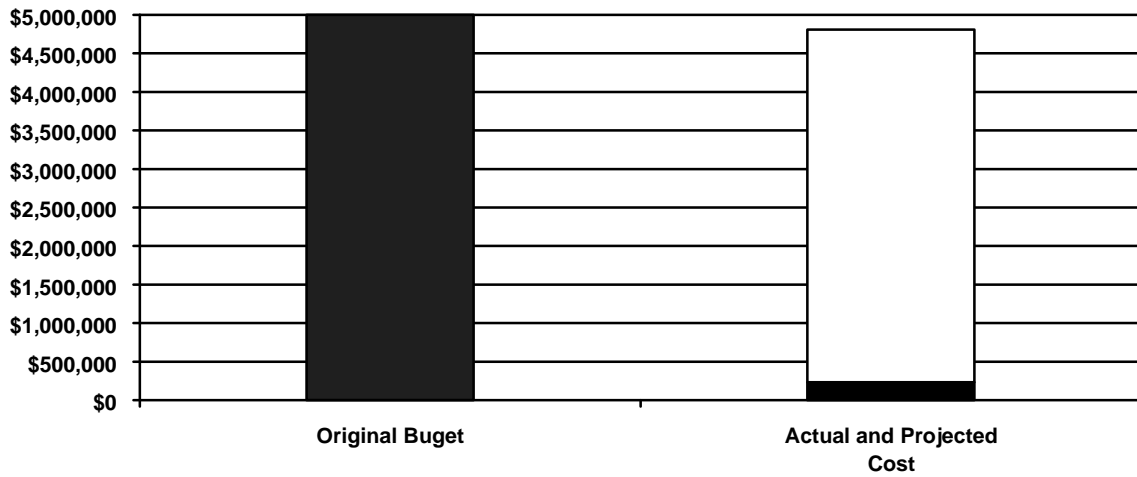
Original Budget:	\$190,600,000	Program Finish:	1999/00
Projected Cost:	\$188,079,000	Percent Complete:	98%
Appropriated Amount:	\$190,600,000	Capital Program No.:	15090-S
Actual Expenditures:	\$186,756,025	Capital Program Page No.:	E-45

Accomplishments this quarter: Completed weir-structure design and transmitted drawings to Operations Division for construction. Completed Module 3 flocculator repairs.

Objectives next quarter: Construct weir-structure. Complete Module 2 flocculator repairs.



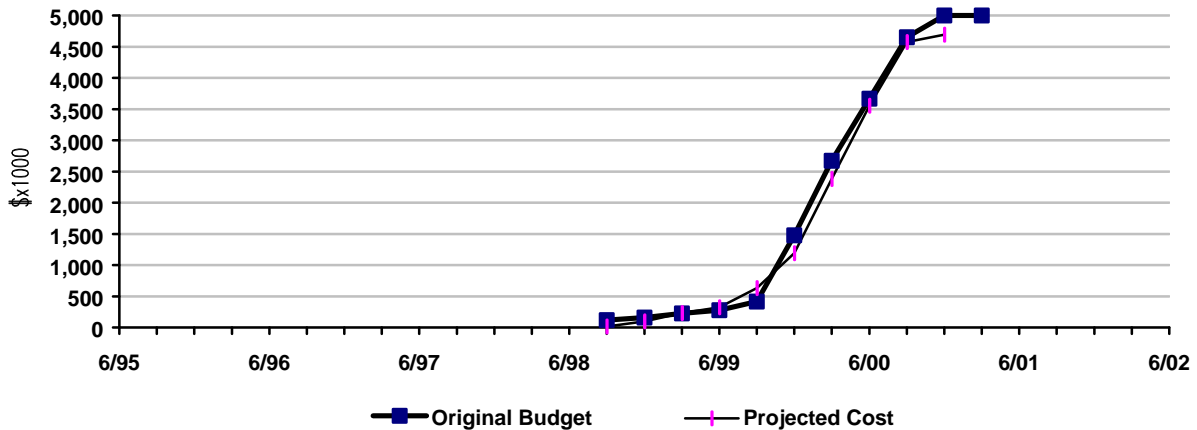
Jensen Filtration Plant - Finished Water Reservoir No. 1 Repair



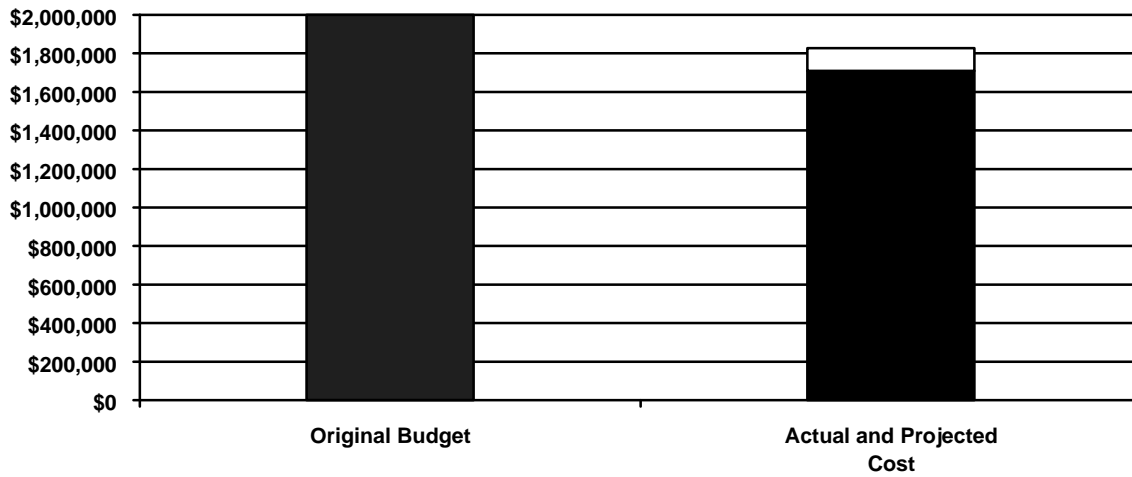
Original Budget:	\$5,000,000	Program Finish:	2000/01
Projected Cost:	\$4,808,000	Percent Complete:	10%
Appropriated Amount:	\$5,000,000	Capital Program No.:	15343-W
Actual Expenditures:	\$ 231,074	Capital Program Page No.:	E-47

Accomplishments this quarter: Issue 90 percent design check set for review and comment.

Objectives next quarter: Complete design, advertise, open bids, and award contract.



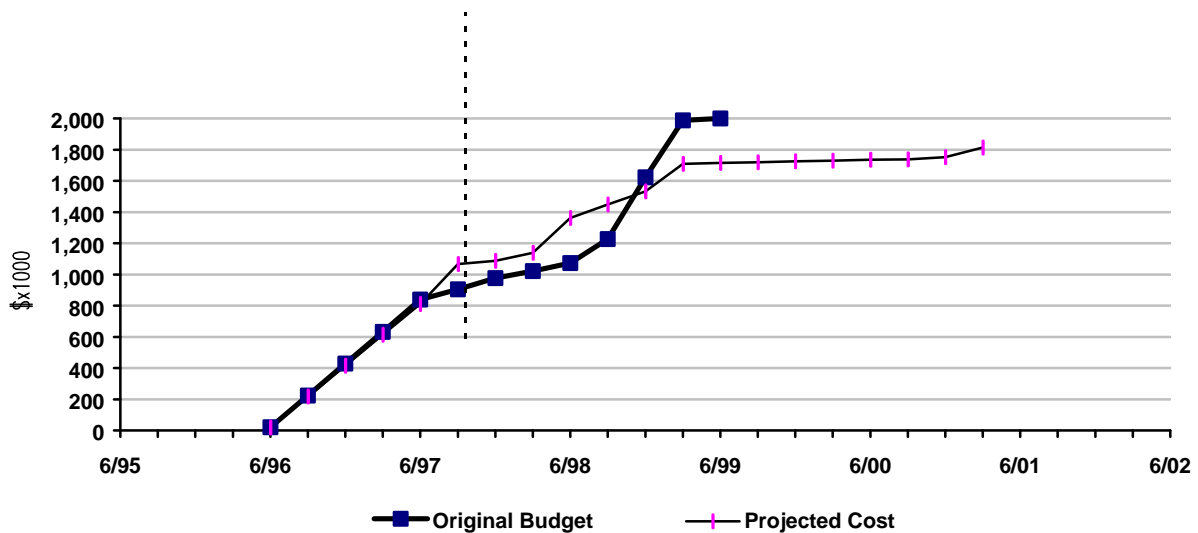
Jensen Filtration Plant - Site Improvements (Landscaping)



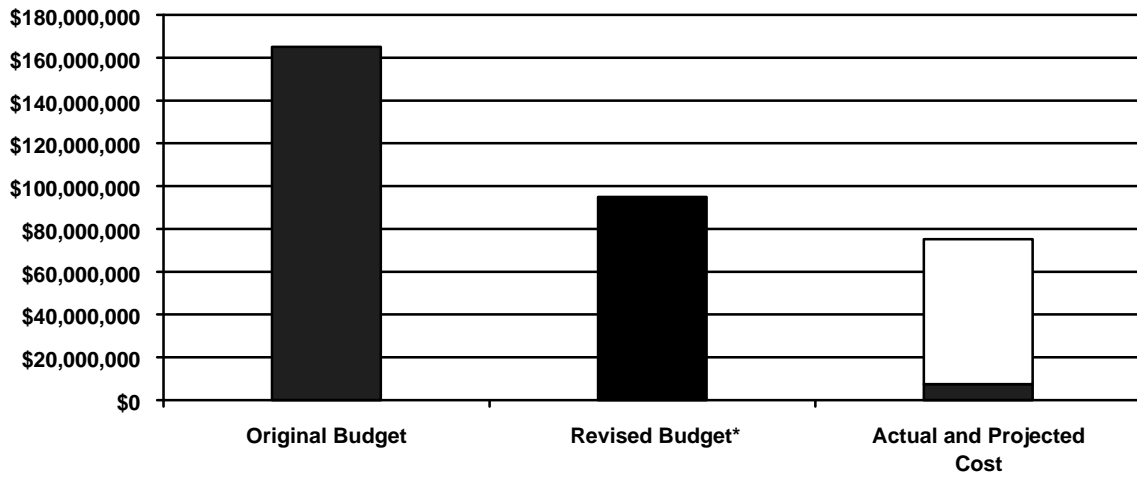
Original Budget:	\$2,000,000	Program Finish:	2000/01
Projected Cost:	\$1,828,000	Percent Complete:	80%
Appropriated Amount:	\$2,000,000	Capital Program No.:	15283-R
Actual Expenditures:	\$1,708,973	Capital Program Page No.:	E-52

Accomplishments this quarter: Contractor completed all Phase 2 work and began the 2 year landscape maintenance contract.

Objectives next quarter: Continue landscape maintenance.



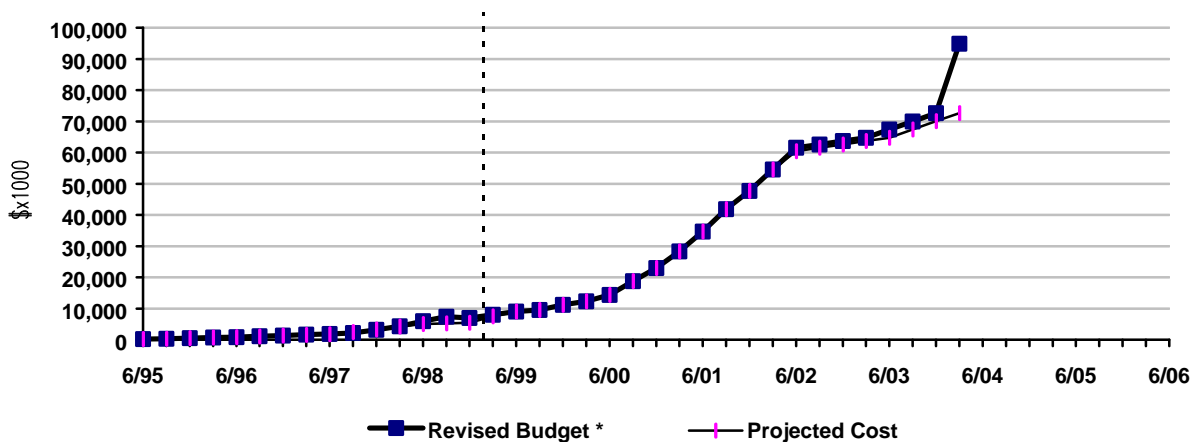
Lake Mathews Outlet Facilities



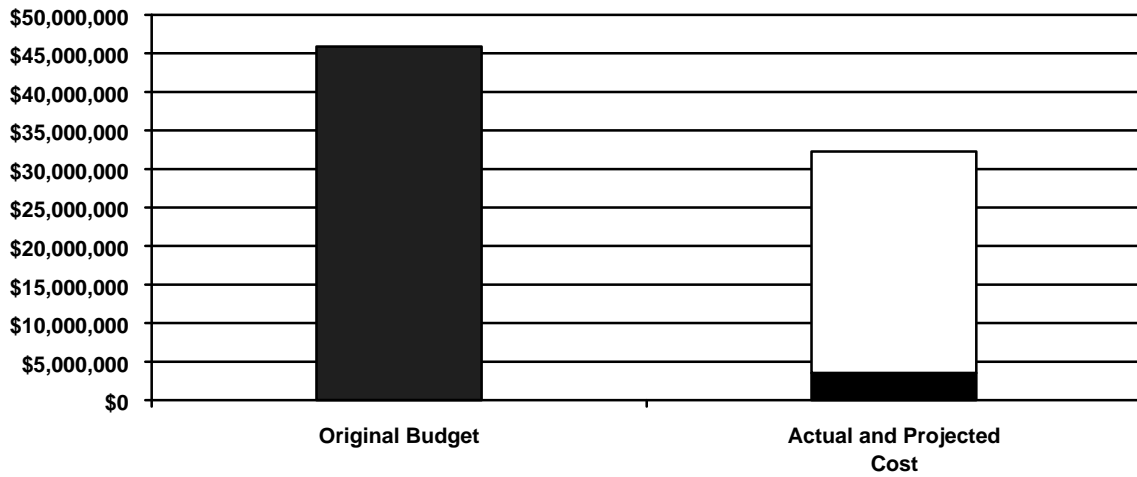
Revised Budget: *	\$ 94,900,000	Program Finish:	2003/04
Projected Cost:	\$ 75,270,000	Percent Complete:	10%
Appropriated Amount:	\$ 12,900,000	Capital Program No.:	15277-A
Actual Expenditures:	\$ 7,486,213	Capital Program Page No.:	E-56

Accomplishments this quarter: Design drawings were submitted, reviewed and approved by all branches.

Objectives next quarter: Submit project clearance forms and Obtain final sign off of contract drawings by the Chief Engineer's office. Obtain 404 permit from the Army Corps of Engineers.



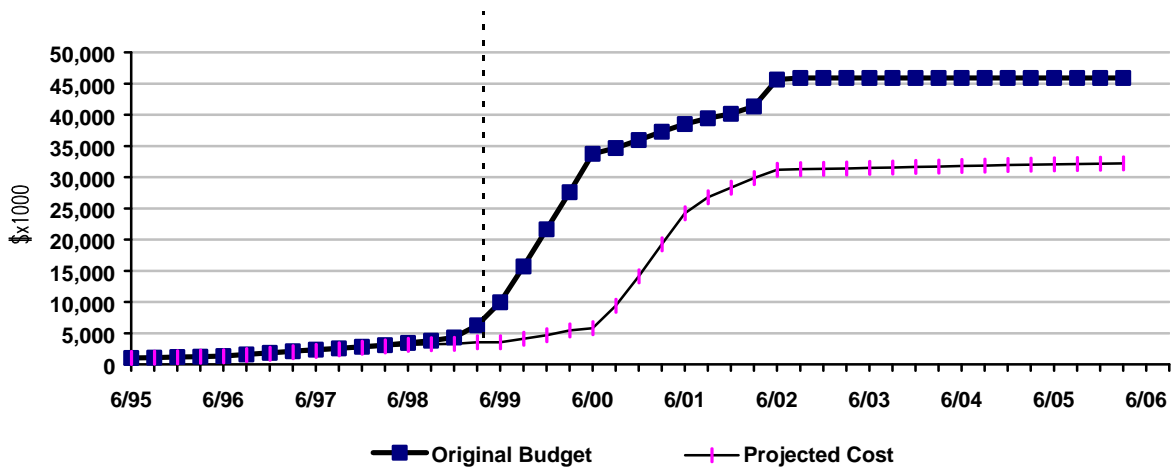
Lake Mathews Watershed - Drainage Water Quality Management Plan



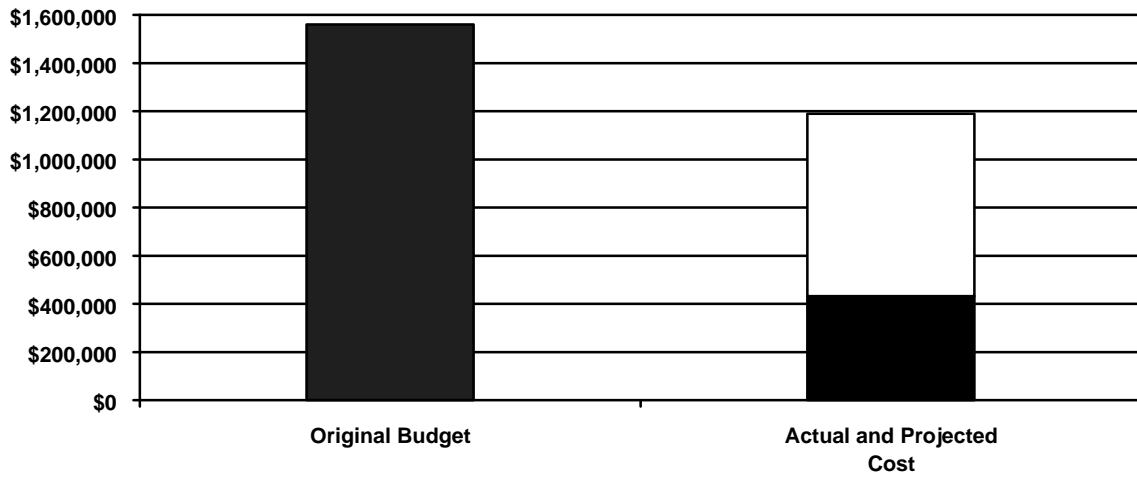
Original Budget:	\$45,900,000	Program Finish:	2005/06
Projected Cost:	\$32,276,000	Percent Complete:	9%
Appropriated Amount:	\$37,400,000	Capital Program No.:	15253-W
Actual Expenditures:	\$ 3,534,839	Capital Program Page No.:	E-57

Accomplishments this quarter: Submitted application for permit revision. Completed 90% design check set review.

Objectives next quarter: Receive permit revision and complete design.



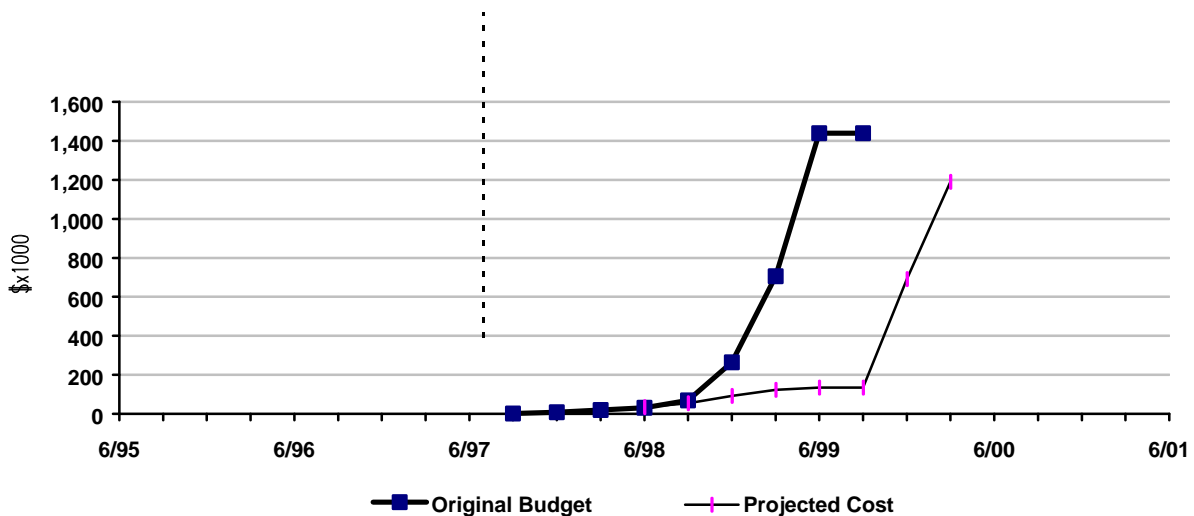
Live Oak Reservoir Surface Repair



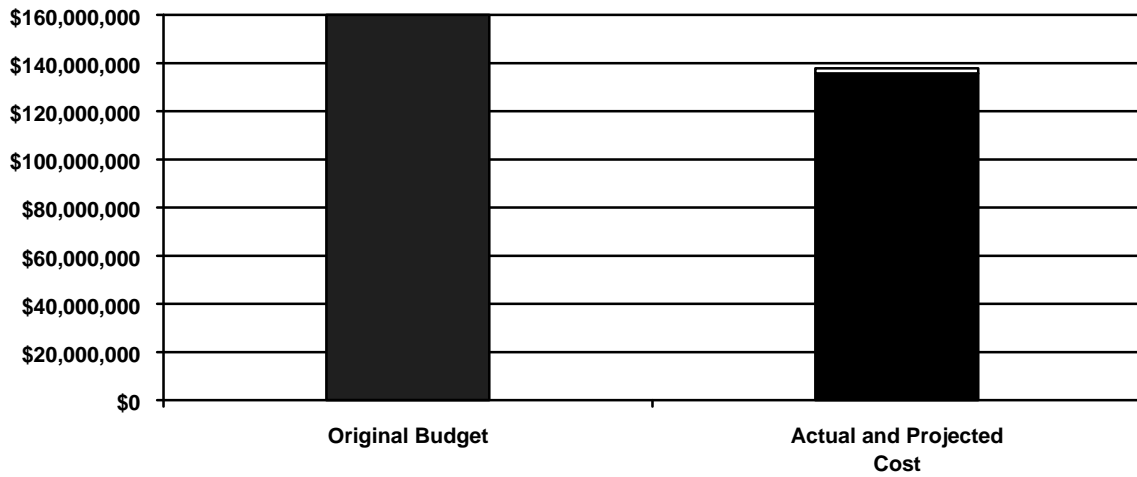
Original Budget:	\$1,560,000	Program Finish:	1999/00
Projected Cost:	\$1,190,000	Percent Complete:	9%
Appropriated Amount:	\$1,560,000	Capital Program No.:	15329-A
Actual Expenditures:	\$ 432,494	Capital Program Page No.:	E-60

Accomplishments this quarter: Open and rejected bids, scheduled re-advertisement for next shutdown period.

Objectives next quarter: Schedule project with Operations Division for shutdown.



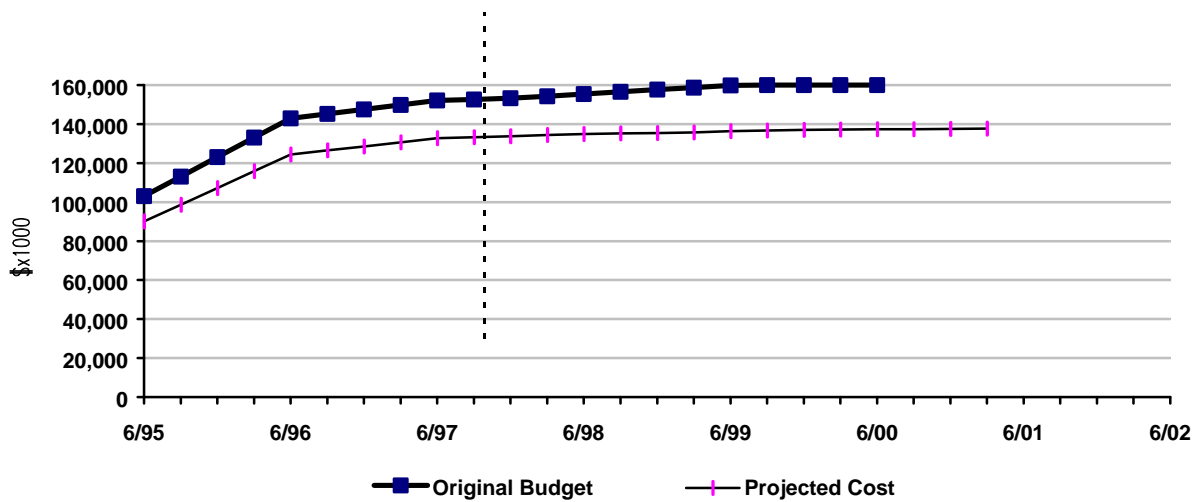
Mills Filtration Plant - Expansion No. 2



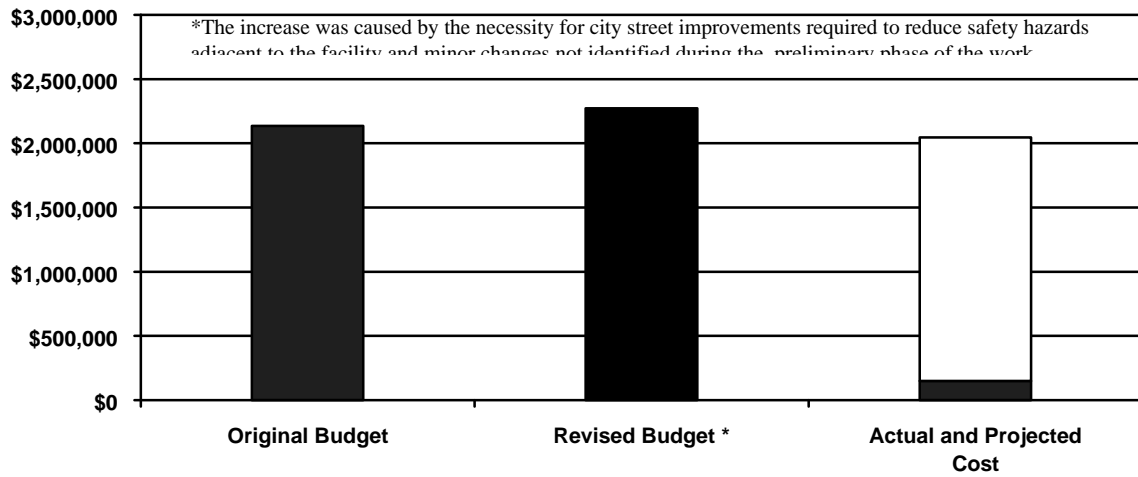
Original Budget:	\$160,000,000	Program Finish:	2000/01
Projected Cost:	\$137,766,000	Percent Complete:	85%
Appropriated Amount:	\$160,000,000	Capital Program No.:	15120-S
Actual Expenditures:	\$135,682,432	Capital Program Page No.:	E-62

Accomplishments this quarter: Identified perimeter landscaping issues.

Objectives next quarter: Resolve design criteria for perimeter landscaping.



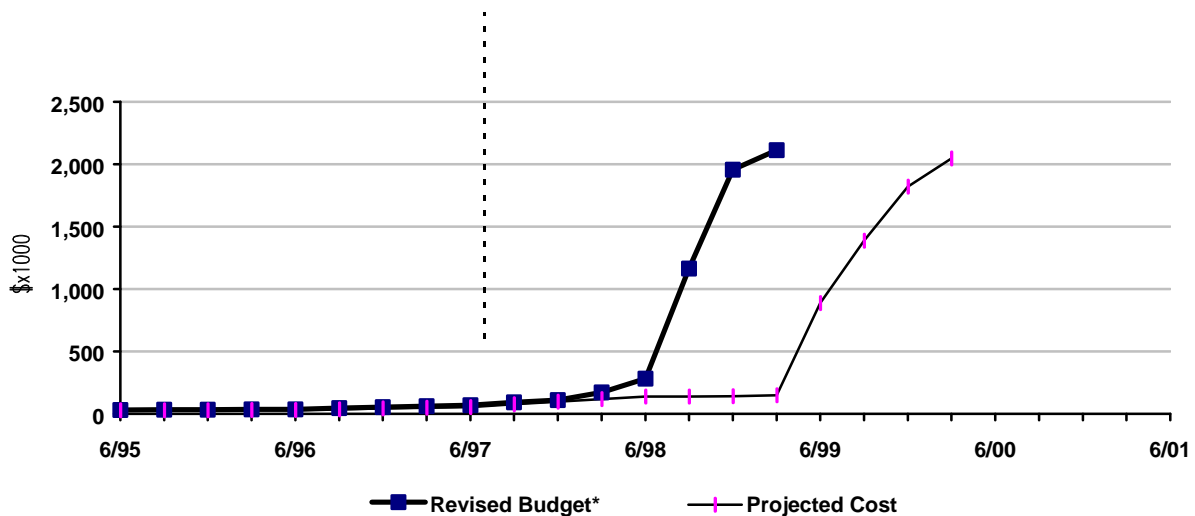
Mills Filtration Plant - Warehouse and Storage Building



Revised Budget:*	\$2,272,000	Program Finish:	1999/00
Projected Cost:	\$2,045,000	Percent Complete:	38%
Appropriated Amount:	\$2,272,000	Capital Program No.:	15305-E
Actual Expenditures:	\$ 149,878	Capital Program Page No.:	E-63

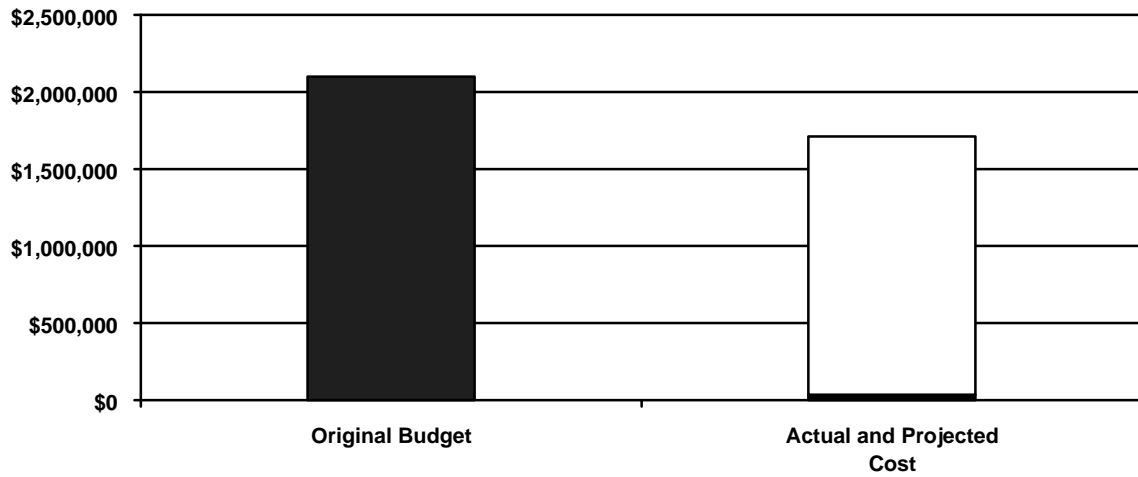
Accomplishments this quarter: Opened bids and selected lowest qualified bidder for contract award.

Objectives next quarter: Award contract, begin design, and prepare site for construction.



Orange County Feeder Relocation

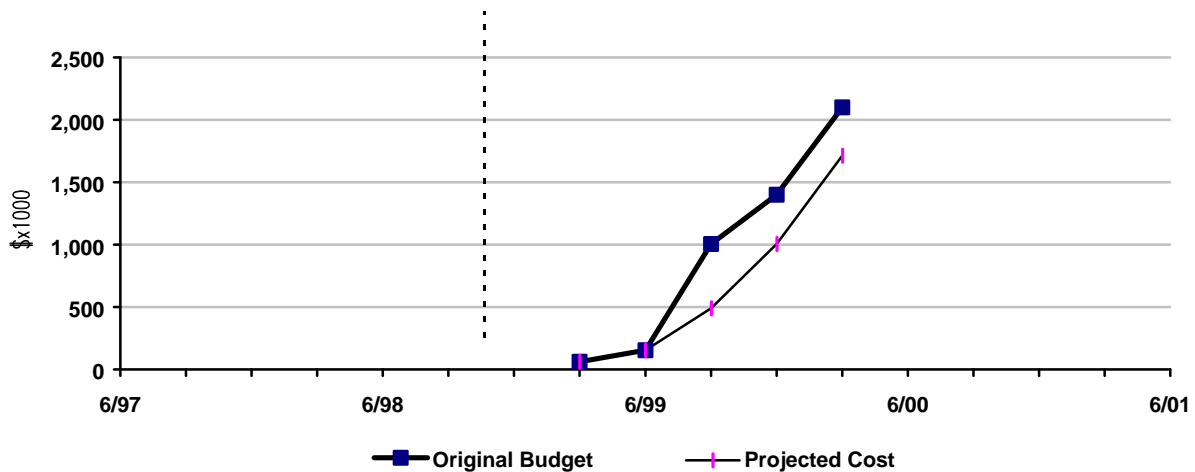
*Program was out-of-budget and program estimate was reflected in Board Action No.1 (Jan. 99)



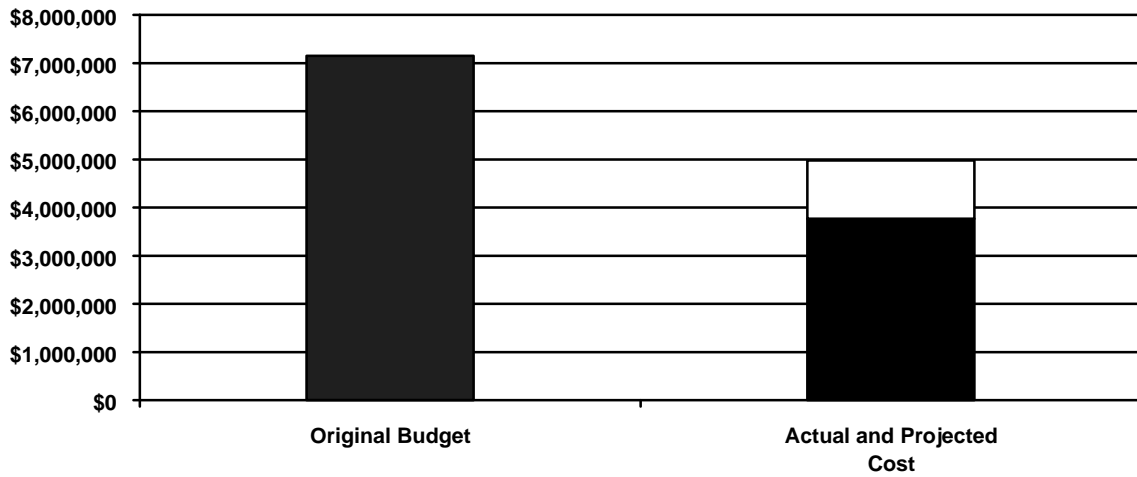
Original Budget:	\$2,100,000	Program Finish:	1999/00
Projected Cost:	\$1,712,000	Percent Complete:	5%
Appropriated Amount:	\$2,100,000	Capital Program No.:	N/A*
Actual Expenditures:	\$ 34,796	Capital Program Page No.:	N/A*

Accomplishments this quarter: Began preliminary design, prepared bid documentation for purchase of pipe and fittings, and contacted local agencies.

Objectives next quarter: Issue contract for pipe and fittings, complete preliminary design and begin final design phase.



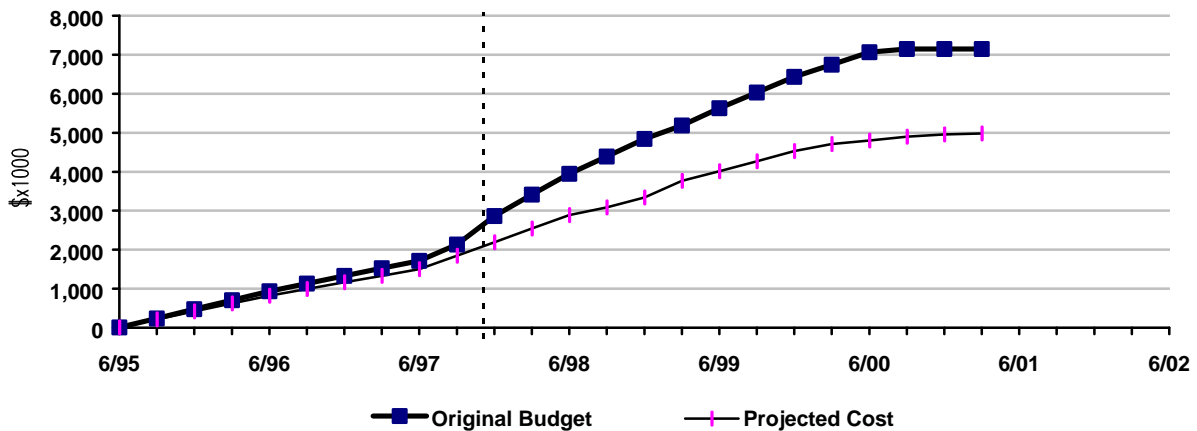
Record Drawing Restoration Program



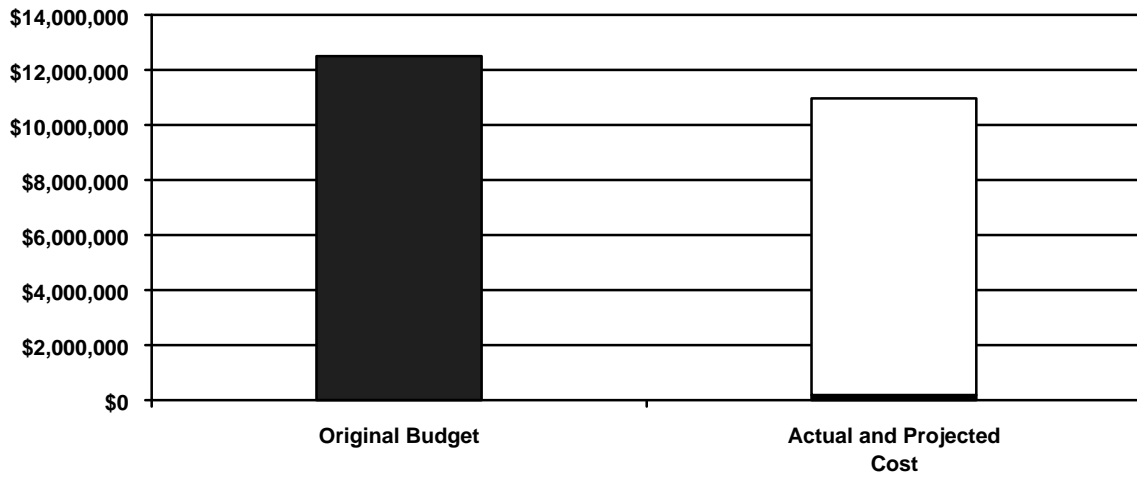
Original Budget:	\$7,150,000	Program Finish:	2000/01
Projected Cost:	\$4,979,500	Percent Complete:	56%
Appropriated Amount:	\$7,150,000	Capital Program No.:	15268-E
Actual Expenditures:	\$3,769,239	Capital Program Page No.:	E-64

Accomplishments this quarter: Mass scanned approximately 17,000 existing high-priority manual drawings into electronic format. Revised and updated 75 high-priority “as-is” drawings.

Objectives next quarter: Complete mass scanning phase. Revise and update a minimum of 75 high-priority “as-is” drawings and 125 “as-built” drawings.



San Diego Pipeline No. 3 Bypass



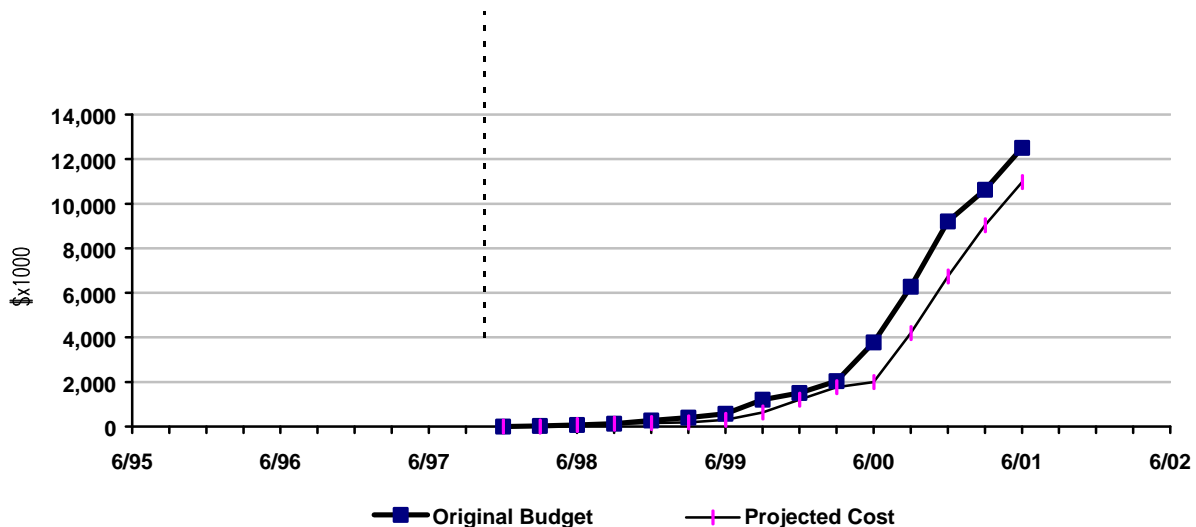
Original Budget:	\$12,500,000	Program Finish:	2000/01
Projected Cost:	\$10,968,000	Percent Complete:	2%
Appropriated Amount:	\$ 1,360,000	Capital Program No.:	15318-S
Actual Expenditures:	\$ 181,644	Capital Program Page No.:	E-67

Accomplishments this quarter:

Continued performing environmental surveys and preparation of CEQA documentation. Performed engineering studies (including chemical mixing analyses, pipeline alignment, and preparation of plan & profiles). Began preparation of Facility Operating Plan.

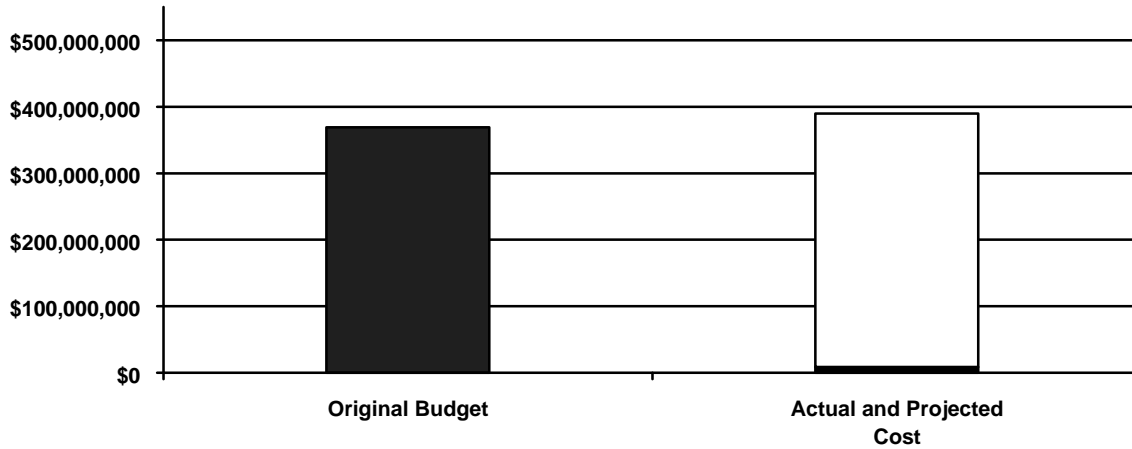
Objectives next quarter:

Complete CEQA documentation and engineering studies. Prepare Board Letter for Certification of Environmental Documentation and request Board authorization and funding for preliminary and final Design.



San Diego Pipeline No. 6

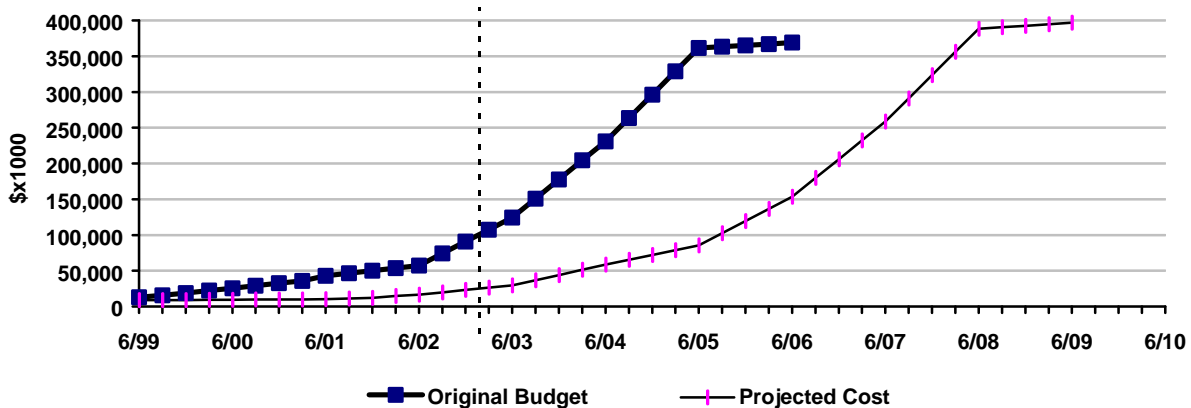
Projected cost includes additional escalation due to 3 year online date deferral and increased design and construction costs due to new developments.



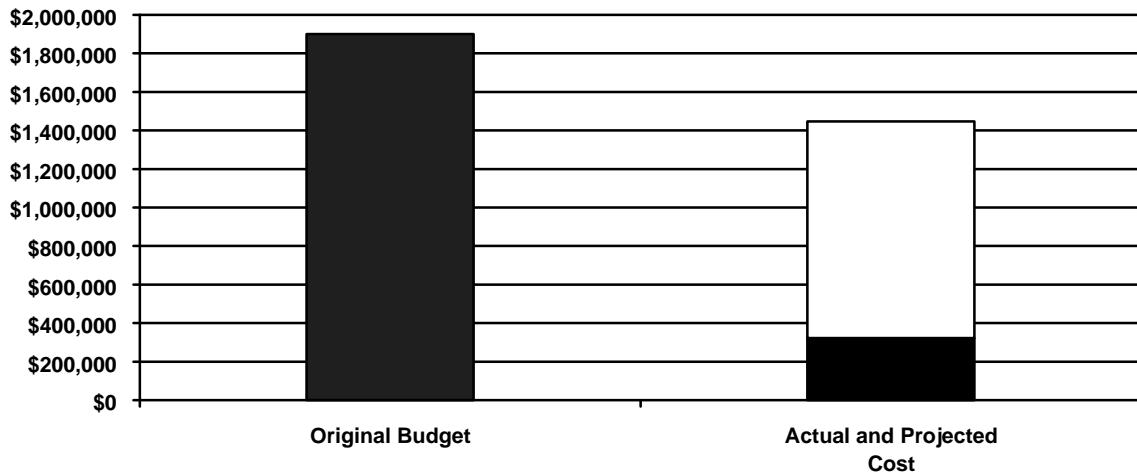
Original Budget:	\$368,000,000	Program Finish:	2008/09
Projected Cost:	\$397,000,000	Percent Complete:	2%
Appropriated Amount:	\$ 47,753,800	Capital Program No.:	15121-S
Actual Expenditures:	\$ 8,475,485	Capital Program Page No.:	E-69

Accomplishments this quarter: Delivered majority of the aerial topographic mapping for the pipeline. Continue discussions with the Johnson Ranch project proponent and the Riverside County Board of Supervisors. Met with and discussed south portal acquisition issues with the San Diego County Water Authority and provided comments to the Gregory Canyon Landfill Draft E.I.R.

Objectives next quarter: Receive all aerial topographic mapping for the pipeline and tunnel. Meet with management to evaluate and approve an action plan and budget for selected right of way acquisition. Prepare general plan and profile drawings, preliminary hydraulic grade line, and property needs exhibits. Initiate acquisition negotiations.



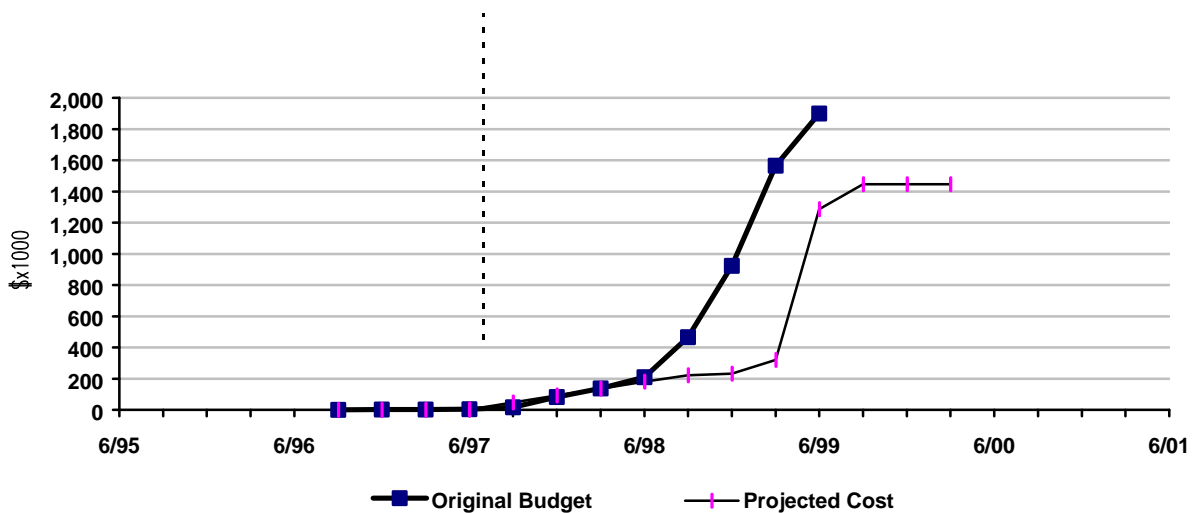
Second Lower Feeder and Sepulveda Feeder SCI Drain



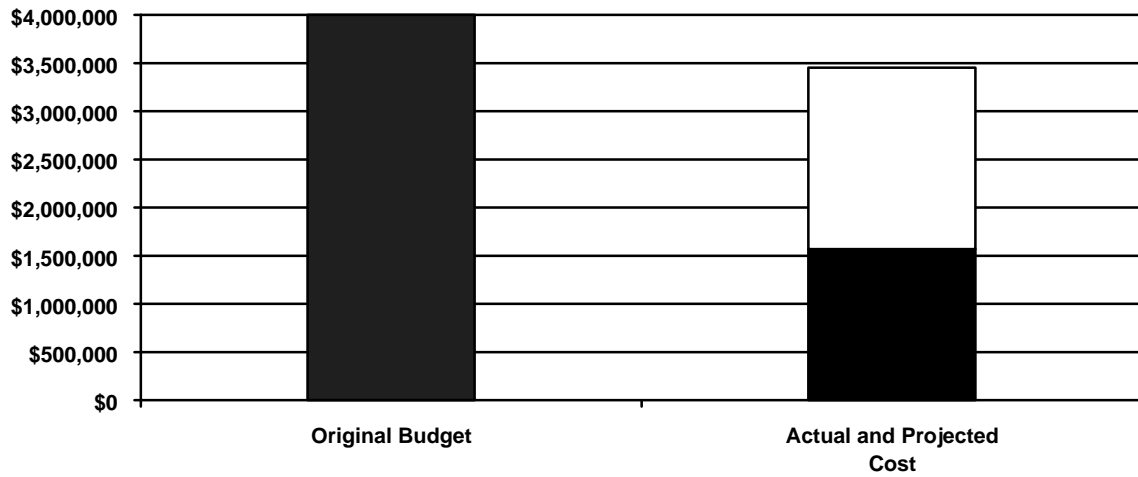
Original Budget:	\$1,900,000	Program Finish:	1999/00
Projected Cost:	\$1,447,000	Percent Complete:	68%
Appropriated Amount:	\$1,900,000	Capital Program No.:	15309-A
Actual Expenditures:	\$ 321,777	Capital Program Page No.:	E-71

Accomplishments this quarter: Completed contractor mobilization, processed all submittals as required and began construction in February.

Objectives next quarter: The contractor will install 64 stray current drain stations, permanent reference electrodes and appurtenances.



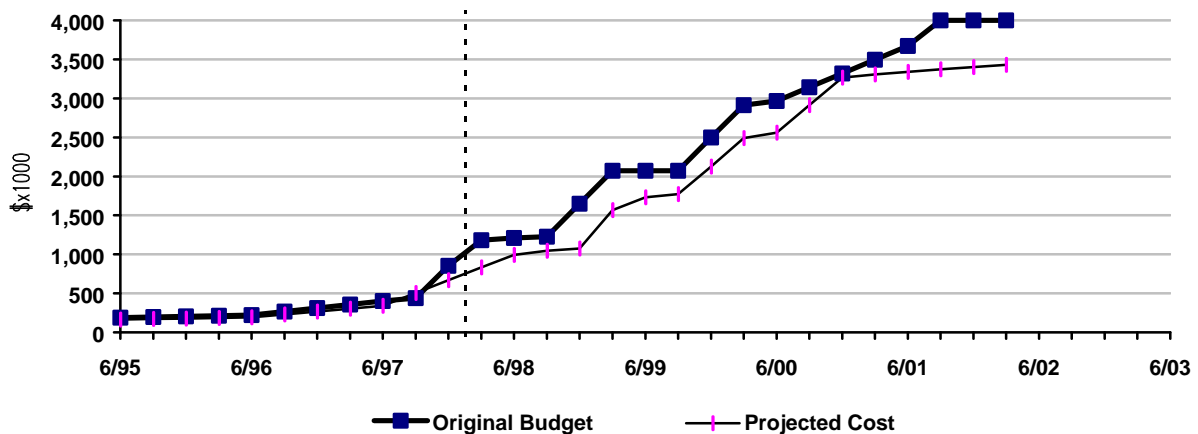
Skinner Filtration Plant - Filter Media Replacement



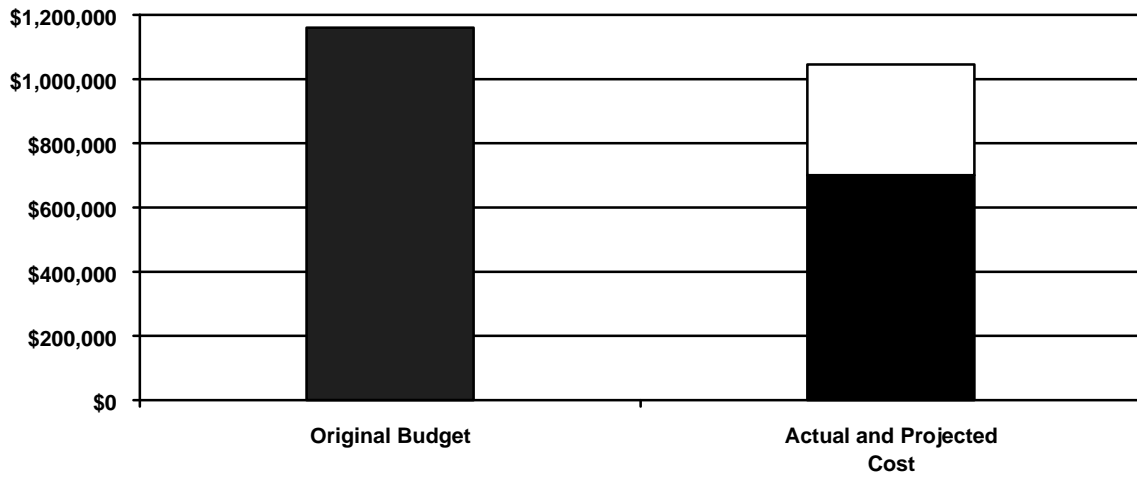
Original Budget:	\$4,000,000	Program Finish:	2001/02
Projected Cost:	\$3,451,000	Percent Complete:	43%
Appropriated Amount:	\$4,000,000	Capital Program No.:	15229-A
Actual Expenditures:	\$1,569,292	Capital Program Page No.:	E-73

Accomplishments this quarter: Completed installation of new media in Module 3.

Objectives next quarter: Start design and specifications for Module 1 and 2 filter media replacement.



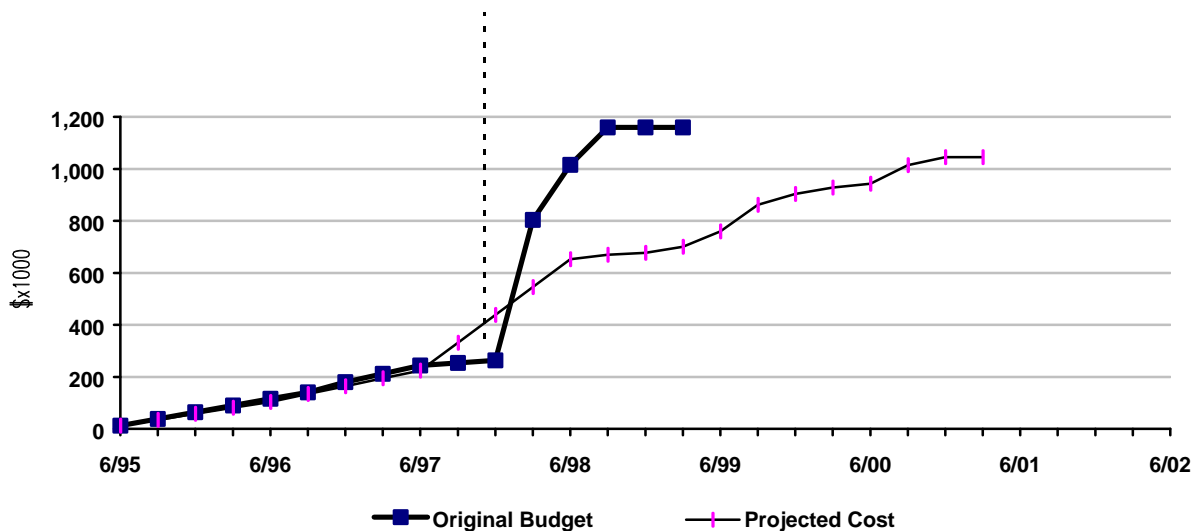
Skinner Filtration Plant - Flocculator Replacement in Modules 1 & 2



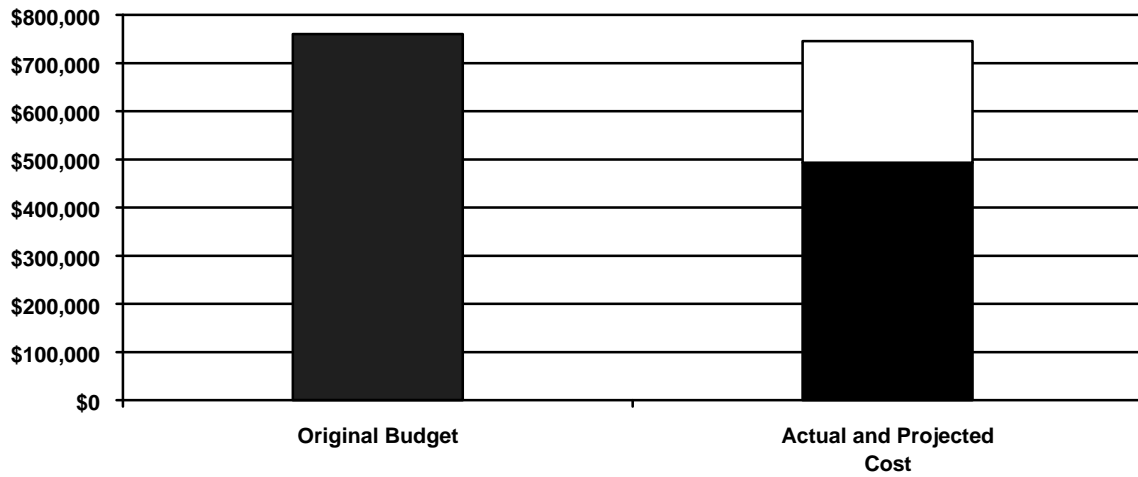
Original Budget:	\$1,160,000	Program Finish:	2000/01
Projected Cost:	\$1,045,000	Percent Complete:	66%
Appropriated Amount:	\$1,160,000	Capital Program No.:	15274-E
Actual Expenditures:	\$ 700,809	Capital Program Page No.:	E-74

Accomplishments this quarter: Provided test data and reported results to the Department of Health Services.

Objectives next quarter: Start the design phase to install baffles.



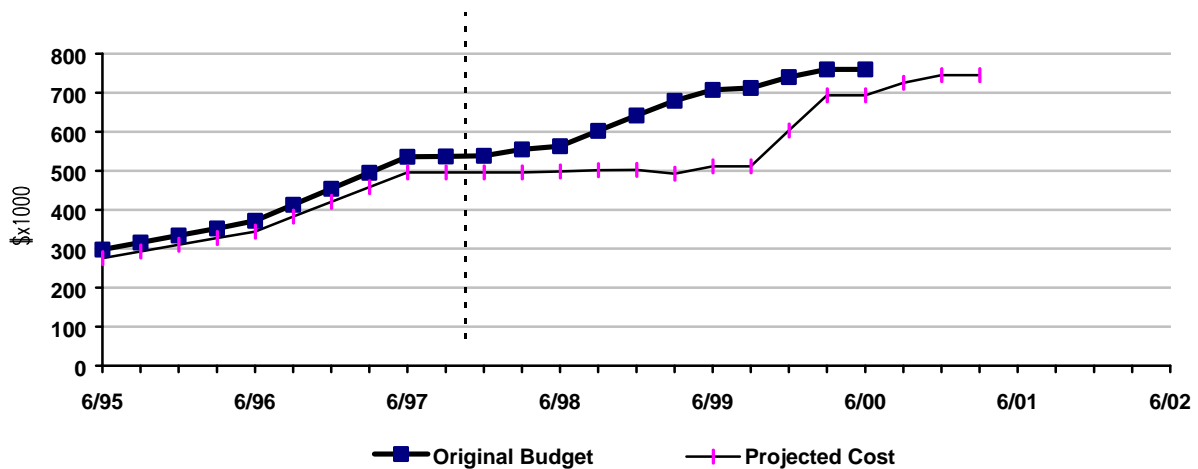
Skinner Filtration Plant - Modules 1 - 3 Replace Electrical Conduit and Wireways



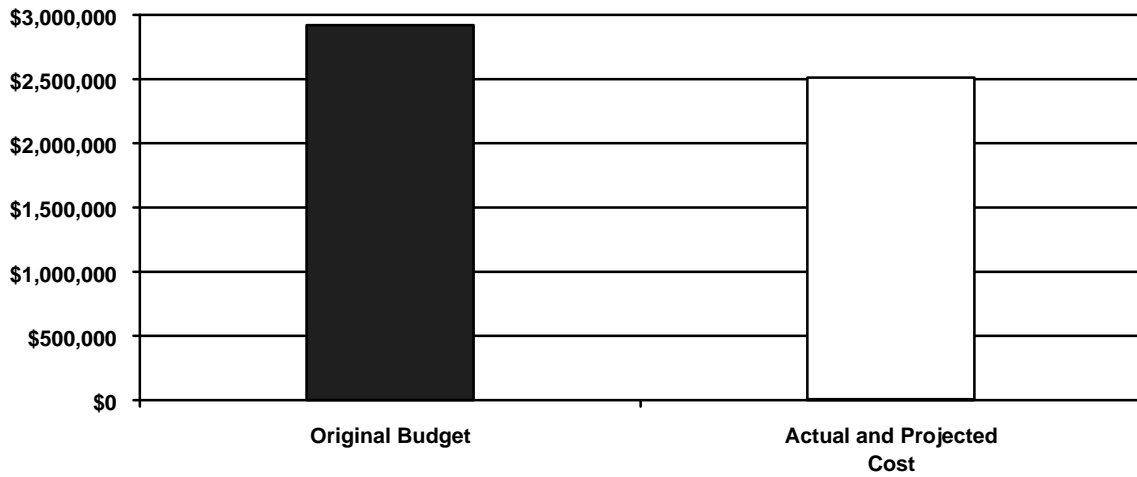
Original Budget:	\$760,000	Program Finish:	2000/01
Projected Cost:	\$745,000	Percent Complete:	61%
Appropriated Amount:	\$760,000	Capital Program No.:	15249-A
Actual Expenditures:	\$ 492,997	Capital Program Page No.:	E-75

Accomplishments this quarter: Due to high water demand shut down has been rescheduled.

Objectives next quarter: Replace existing conduits, wireways and electrical cables on second half of Module 2.



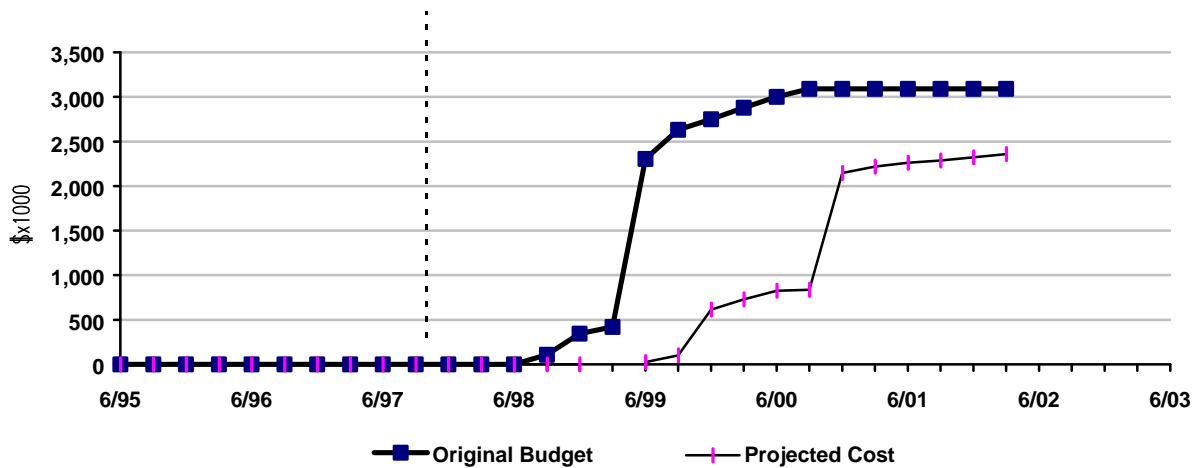
Skinner Filtration Plant - Replacement of Filter Valves and Operator Modules 1 - 3



Original Budget:	\$2,920,000	Program Finish:	2001/02
Projected Cost:	\$2,513,000	Percent Complete:	1%
Appropriated Amount:	\$2,920,000	Capital Program No.:	15332-A
Actual Expenditures:	\$ 8,647	Capital Program Page No.:	E-77

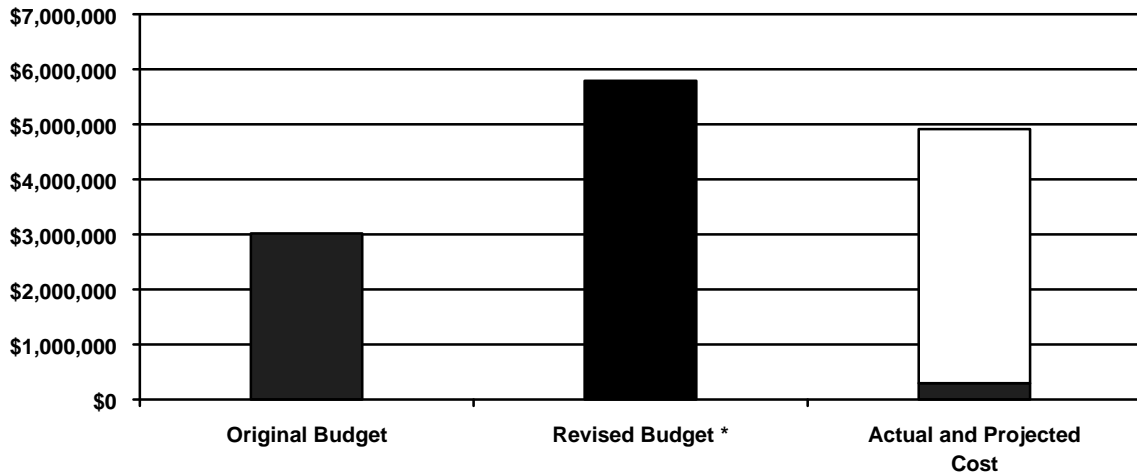
Accomplishments this quarter: Obtained Board authorization and funding for the program.

Objectives next quarter: Preparing PMP for finalization, issue schedule and start design phase.



Weymouth Filtration Plant - Rehabilitation Program

*Revised program estimate was reflected in Board Action No.1 (Aug.98)



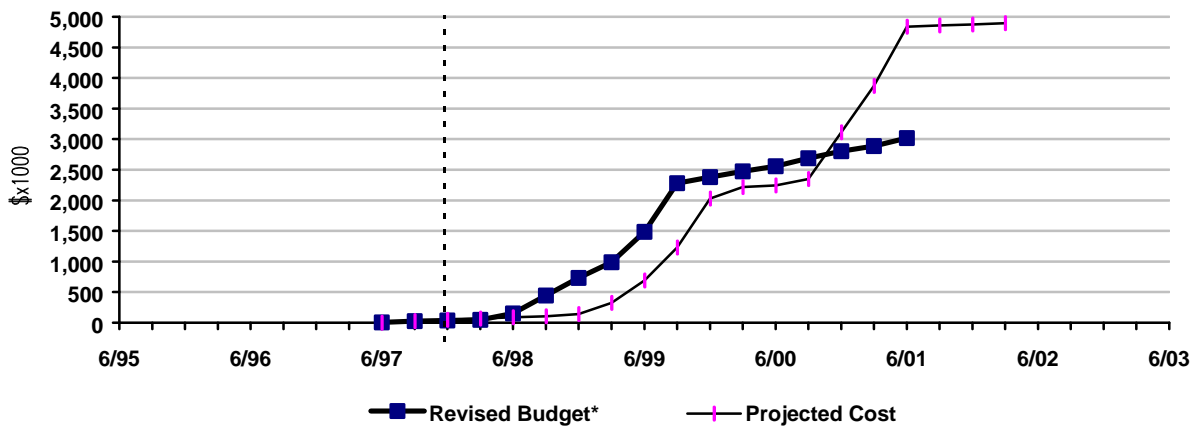
Revised Budget: *	\$5,790,000	Program Finish:	2001/02
Projected Cost:	\$4,912,000	Percent Complete:	12%
Appropriated Amount:	\$2,860,000	Capital Program No.:	97813-A
Actual Expenditures:	\$ 294,491	Capital Program Page No.:	E-83

Accomplishments this quarter:

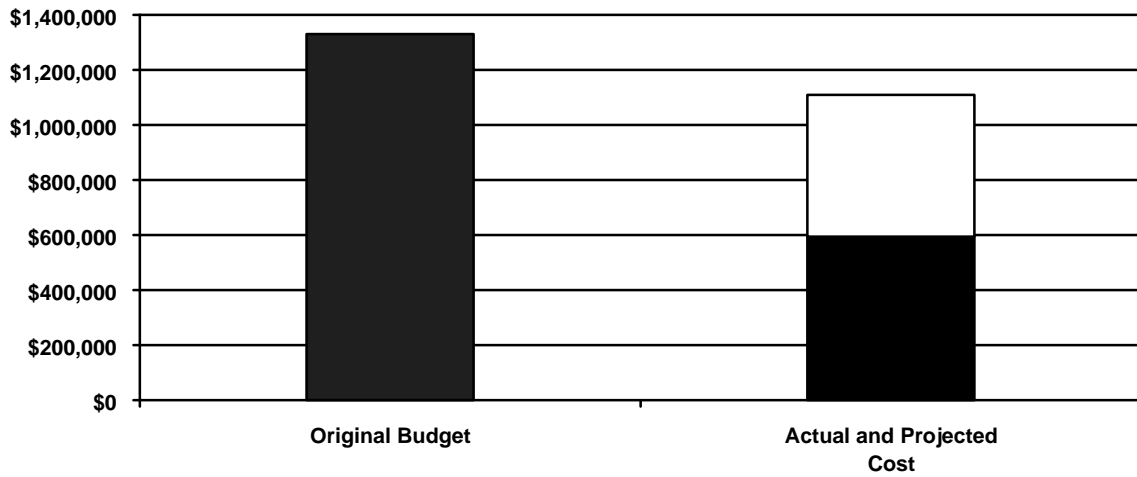
Started treatment facilities seismic study; designed and construction filter building floor hatch repairs; design and specified new water quality sample pumps, design and constructing coal removal facility upgrade.

Objectives next quarter:

Complete filter building floor hatch repairs, complete coal removal facility upgrade, install new pumps, start foam abatement and pumpback project.



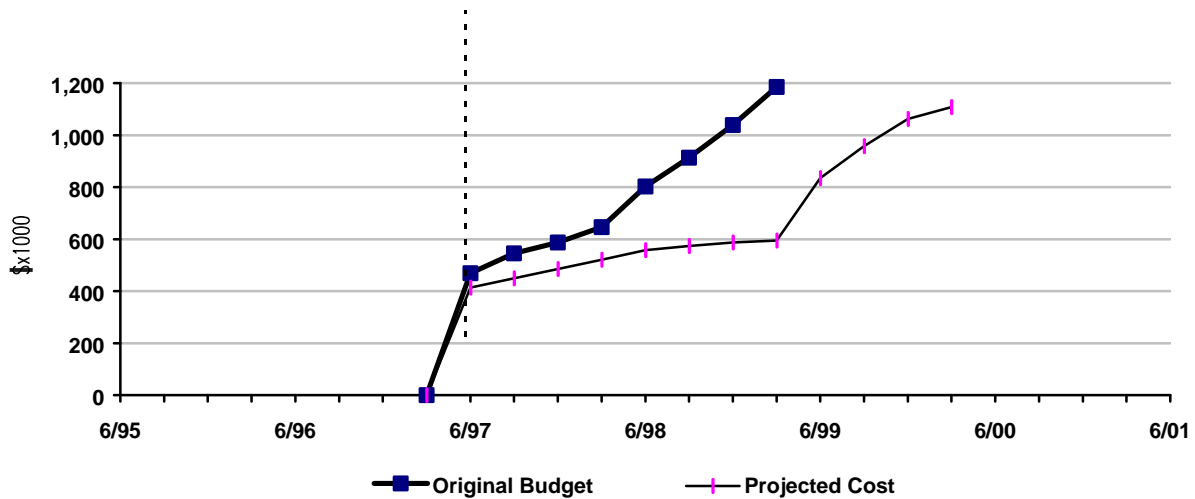
Weymouth Filtration Plant - WWRP Flocculation Equipment Repair and Replacment



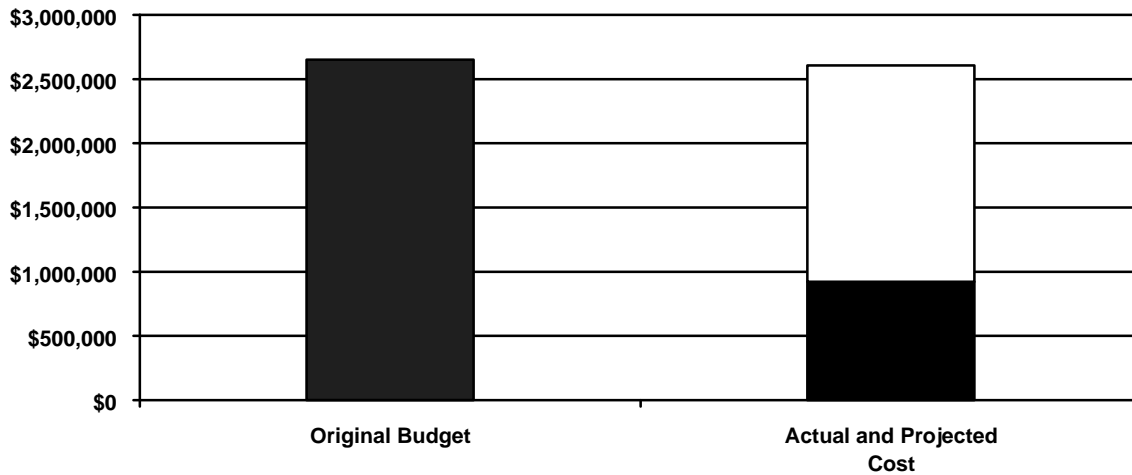
Original Budget:	\$1,330,000	Program Finish:	1999/00
Projected Cost:	\$1,109,000	Percent Complete:	63%
Appropriated Amount:	\$1,330,000	Capital Program No.:	15291-A
Actual Expenditures:	\$ 594,206	Capital Program Page No.:	E-85

Accomplishments this quarter: Purchased parts for one of four modules requiring repairs.

Objectives next quarter: Procure parts for remaining three basins.



Whitewater Siphon Protection



Original Budget:	\$2,650,000	Program Finish:	2000/01
Projected Cost:	\$2,607,000	Percent Complete:	35%
Appropriated Amount:	\$ 815,000	Capital Program No.:	97817-A
Actual Expenditures:	\$ 921,313	Capital Program Page No.:	E-86

Accomplishments this quarter:

Closed escrow on the Granite Mining Co. property downstream of the CRA Whitewater Siphons. Elimination of the future mining at this property will significantly reduce the potential for a catastrophic failure.

Objectives next quarter:

Negotiations with the Bureau of Land Management for the acquisition of a small parcel of property which impacts the future site of the proposed protection structure. Prepare Board request for property acquisition costs associated with property negotiations and plan review of potential impacts to Metropolitan facilities.

