



Fiscal Year 2001

Capital Improvement Program



Annual Report



**San Diego County
Water Authority**

San Diego County Water Authority

**ANNUAL REPORT
ON THE
CAPITAL IMPROVEMENT PROGRAM**

FISCAL YEAR 2001

September 2001

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**San Diego County Water Authority
Annual Report
on the
Capital Improvement Program
Fiscal Year 2001**

1.0 Capital Improvement Program Profile

1.1 Introduction

This is the second in a series of “Annual” Reports on the Capital Improvement Program (CIP). The predecessors to these reports were the Fourth Quarter Reports, which dwelt only on the last quarter of the fiscal year.

The intention of the new report is to provide a balance between program level perspectives and project detail on the preceding year to explain how well staff was able to execute the CIP plan, what it was able to accomplish, and discuss the significant issues that occurred during the year.

Staff will continue to provide quarterly reports to the Board on the status of the program, its component projects, and significant issues of the quarter and how they will affect the future. The quarterly reports will continue to provide the complement of tables and summaries that have become traditional over the last several years. Additionally, information will be provided on evolving issues that will affect the CIP to include trends, forecasts, and staff strategies to keep the program on target.

This Annual Report on the CIP provides:

- Executive Summary
- Summarized information on accomplishments
- Discussion of significant issues
- Summaries of CIP expenditures
- Information on CIP milestone attainment
- Contract status profiles
- Status of reimbursable projects
- Individual project summaries

1.2 Overview of the CIP

The approved CIP for Fiscal Year (FY) 2001 contained 61 projects and had a total value of \$1.136 billion; the fiscal year appropriation adopted in June 2000 was \$91.4 million. This was amended in June 2001 to reflect Staff’s CIP expenditure projection of \$103 million.

Appendix A shows the location of major projects throughout the County.

2.0 **Executive Summary**

FY 2001 was characterized by three broad themes; they were:

- The aggressive execution of the CIP plan.
- A wide range of analytical and planning activities were completed laying a foundation for continued efficient execution of the CIP.
- An aggressive pipeline inspection and repair program was carried out.

2.1 **Aggressive Execution of the CIP Plan for FY 2001**

The spending target for FY 2001 was \$91.4 million; a total of \$102.5 million was spent on the CIP during the year. Two factors accounted for the aggressive execution of the FY 2001 CIP plan.

The first was a shift in the way that the execution of the annual CIP plan was managed. At the beginning of the fiscal year, staff created a program to identify the Critical Success Factors (CSF) in the largest projects and then proactively managed the activities that could interfere with the successful attainment of critical success factor milestones. This approach involved a wider participation of staff and key agencies (where appropriate) and escalated actions in a timely manner when key milestones were in jeopardy.

Secondly, staff, as part of the CSF approach to program management, looked for opportunities to accelerate project execution. There were half a dozen projects, primarily in the Emergency Storage Project (ESP) area, where there were opportunities to exceed the expenditure plan for the fiscal year. In the aggregate, ESP expenditures exceeded their planned expenditures by nearly \$14 million. Beyond ESP, the other primary contributors to the aggressive execution of the CIP plan were the New Office Facility and the Regional Colorado River Conveyance Feasibility Study which exceeded their planned spending for the year by \$4.5 million. In both cases, these actions represented an acceleration of project schedules with no increase in costs.

2.2 **Analytical and Planning Activities Lay Foundation for the Future**

A half dozen significant, inter-dependent analytical and planning activities were completed during the fiscal year.

The **ESP Optimization Study** was completed in the spring of 2001. This Study in conjunction with Water Demand Forecasts and the Regional Water Facilities Master Plan was key to making water storage and transportation facilities decisions throughout the region. It was particularly instrumental in helping to eliminate or reduce a number of ESP pump stations and in defining the size and alignment of the San Vicente Pipeline.

As part of the Regional Water Master Facilities Plan, the **Regional Water Demand Forecasts** through the year 2030 were completed during the year. The shifts

in demand identified by these studies will be key in designing new non-ESP facilities through the 2030 time horizon. The findings and recommendations will be brought to the Board for its consideration during FY 2002.

A substantial portion of staff efforts were devoted to studying potential **ESP Cost Revisions** throughout the fiscal year. Interim reports were made in August and December 2000 to the Board estimating the most probable costs at \$816 million with a pessimistic forecast of \$880 million. Despite the award of the Package 4 Construction Contract on the Olivenhain Dam at \$15 million more than had been anticipated, the ESP budget was adopted with the new fiscal year at \$826.9 million.

Another benchmark study was the completion of the **Pipeline Assessment Study**. The purpose of these assessments was to determine the condition of the prestressed concrete cylinder pipeline (PCCP) installed before 1984. Assessments of the northern part of the county were completed in 1997 and the southern portion (where more corrosive conditions exist) was completed in December of 2000. An initial report of conditions was provided to the Board in FY 2001. Additional reports, which will outline the planned courses of action to deal with the deteriorating pipeline, will be presented in FY 2002 after the pipeline condition findings have been integrated with the future needs to expand facilities as identified in the Regional Water Facilities Master Plan.

During the year, most of the conceptual work to develop a series of alignment alternatives for a **Binational pipeline** were completed. The work, at year-end, was complete for the U.S. side of the border and about 70 percent complete on the Mexican side. Staff anticipates being able to evaluate as many as 10 alternatives during the first half of FY 2002 and bring the findings to the Board by the middle of the fiscal year.

Finally, one of the most significant pieces of data needed to make substantive decisions about the San Vicente Pipeline were the results of the **geotechnical investigations** related to the alignment of the pipeline. These investigations were completed in late Spring 2001 and were used, in part, as the basis for the budget change to this project which was adopted by the Board as part of the FY 2002 budget process.

2.3 Pipeline Inspections and Repairs

During the year, 29 miles of pipeline were inspected and work was completed in assessing the condition of PCCP in the southern half of the county. Additionally, repairs were made to the Tri-Agency Pipeline and Pipeline 3 in the spring of 2001. Finally, 2,350 feet of PCCP pipeline in the Rancho Penasquitos area was relined with a steel liner in the first quarter of the fiscal year.

A more detailed discussion of all the issues contained in this Executive Summary follow in the balance of this Report.

3.0 **Major Accomplishments**

Major accomplishments for FY 2001 included:

- Completed construction of New Office Facility.
- Completed the ESP Facilities Optimization Study.
- Completed/cancelled seven CIP projects: Aqueduct Security Improvement Program, Valley Center Pump Station, San Diego 18/21 FCF, New Office Facility, Escondido Soils Remediation, ESP Pipeline 5 Pump Station, and the Line Structure Sealing Project.
- Created and implemented successful program management tools that facilitated the proactive management of the capital program and key projects.
- Completed design of the Olivenhain Dam, Vallecitos 10 FCF, Moreno Lakeside Pipeline, Moreno Lakeside Pipeline FCF, the San Vicente/MLP Interconnect Pipeline, Valley Center 8 FCF, and the United States/Mexico Emergency Connection and Meter Facility.
- Completed 60 percent design of Olivenhain Pump Station and Olivenhain 8 FCF.
- Completed excavation of the Olivenhain Dam foundation and construction of access roads.
- Completed 90 percent construction of the Olivenhain Pipelines.
- Completed 90 percent construction of the Twin Oaks Valley Diversion Structure.
- Made emergency repairs to the Tri-Agencies Pipeline and Pipeline 3.
- Relined 2,350-foot section of Pipeline 3 in Rancho Penasquitos with steel pipe.
- Completed geotechnical studies along the 12.5-mile route for the tunnel alternative for the San Vicente Pipeline.
- Completed cost refinements for the U.S. alignments in the Regional Colorado River Conveyance Feasibility Study.
- Amended contracts for the construction of Olivenhain Dam.

- Installed electrical upgrades at 46 Flow Control Facilities.
- Performed internal inspections on 29 miles of pipeline.
- Completed initial purchase of ESP uplands mitigation lands.
- Provided over 30,000 Ultra-low Flush Toilets (ULFT) to San Diego County residents through the three ULFT incentive programs.

4.0 Significant Issues During FY 2001

There were nine significant issues associated with the execution of the CIP in FY 2001; they were:

4.1 Aggressive Execution of FY 2001 CIP Plan

The spending target for FY 2001 was \$91.4 million; a total of \$102.5 million was spent during the year on the Capital Improvement Program. Two factors accounted for the aggressive execution of the FY 2001 CIP plan.

The first was a shift in the way the execution of the annual CIP plan is managed. At the beginning of the fiscal year, staff created a program to identify the critical success factors (CSF) in the largest projects and then proactively managed the activities that could interfere with the successful attainment of critical success factor milestones. This approach involved a wider participation of staff and key agencies (where appropriate) and escalated actions in a timely manner when key milestones were in jeopardy. At the same time, Board approved increases in project management staff occurred, key program controls hardware and software were acquired, and program/project controls processes were refined.

Secondly, staff, as part of the CSF approach to program management, looked for opportunities to accelerate project execution. There were half a dozen projects, primarily in the ESP area, where there were opportunities to exceed the expenditure plan for the fiscal year. These ESP projects included the Diversion Structure Modifications, the Olivenhain Dam, the Olivenhain Pipeline, and the Olivenhain Pump Station. In the aggregate ESP expenditures exceeded their planned expenditures by nearly \$14 million. Beyond ESP the other primary contributors to the aggressive execution of the CIP plan were the New Office Facility and the Regional Colorado River Conveyance Feasibility Study which exceeded their planned spending for the year by \$4.5 million.

4.2 Relining of 2,350 feet of Rancho Penasquitos Pipeline

Based on a condition assessment of Pipeline 3, in the winter of 1998/1999, it was determined that 89 sections of PCCP in the Rancho Penasquitos area had significantly

deteriorated and would require relining. Design of the relining was completed in May of 2000 and a construction contract was awarded the following month at a cost of \$1.7 million. The 113 sections of steel liner were fabricated and installed in December 2000 minimizing disruptions to the community from construction. These actions extended the useful life of this section of pipeline by 30 years.

4.3 Completion of ESP Optimization Study

The Optimization Study was an outgrowth of the ESP Environmental Impact Report (EIR) process beginning in June 1998 with the approval of the Emergency Storage Project. Its purpose was to examine the assumptions made during the EIR process to create a more cost effective and efficient system. Through the end of FY 2000, the Optimization Study had examined the issues related to the First (Olivenhain) Phase of ESP.

During FY 2001 the focus was on the remaining ESP phases. The most significant issues included: (1) a detailed, rigorous examination of all ESP costs resulting in substantial cost revisions; (2) refinement of size, alignment, and operational issues associated with the San Vicente pipeline and pump station; (3) refinement of demand forecasts and consequences for pipelines and pump stations throughout the system; (4) an examination of how ESP facilities could be used to meet normal operational needs of the region particularly through 2030; and (5) the need for the Pipeline 5 Pump Station as an ESP project. Resolution of these issues in the spring of 2001 with the completion of the Optimization Study was key to a wide range of project decisions as reflected in the FY 2002 CIP budget.

4.4 Completion of Water Demand Forecasts Through 2030

A significant phase of the Regional Water Facilities Master Plan has been the projection of future water demand forecasts through the year 2030. This phase was completed during FY 2001 laying the foundation for the identification of both internal (within the County) and external system facility needs. One of the keys to minimizing the risk of overbuilding facilities was the shift to probabilistic demand forecasts.

A number of significant shifts in demand were forecast; they were: (1) agricultural demand is decreasing and urban demand is decreasing; (2) with the planned development of more local water treatment plants in the future, there will be a greater demand for raw water; and (3) future development in the County will create more demand in the southern and eastern regions. Key facility decisions within the system will center on the two choke points (raw water capacity south of the Diversion Structure and south of Miramar) to the southern half of the county. Future key decision points will focus on the building of new pipelines vs. the conversion of existing pipelines to either raw or treated water.

External to the San Diego County Water Authority (Authority) system, the issue will be continued purchases of water supplies from Metropolitan Water District vs. the

flexibility of additional water transfers from the North, the development of desalination options to the West, and the creation of a regional Colorado River Pipeline to facilitate the transfer of conserved water from the Imperial Irrigation Water District.

Staff will provide a report to the Board on these issues during FY 2002.

4.5 Progress on the Binational Pipeline

The issues of how to meet the water needs of the region, gain potential economies of scale and cost sharing from partnering with Mexico, and bring water into the County from the East have been the focus of the work on the Binational Pipeline project. Significant progress was made during FY 2001. The conceptual design alignment issues on the U.S. side of the border are complete and those on the Mexican side are more than 70 percent complete. As a result of these actions, a total of 10 alignment alternatives (two U.S., three Mexican, and five Binational) have been developed. The pros and cons of each alternative will be evaluated during the first half of FY 2002, with the findings to be presented to the Board by the end of this calendar year.

4.6 Completion of the Pipeline Assessment Report

Due to several failures of the pre-stressed concrete cylinder pipelines (PCCP) in the early 1980's and 1990, the Aqueduct Protection Program (APP) was created in 1990. As part of that program, a pipeline condition assessment program was initiated to determine the condition of PCCP constructed before 1984 and forecast its remaining life expectancy.

An assessment of the northern part of the system was completed in late 1997. The assessment of the southern half of the system (where more corrosive conditions exist) was completed in December 2000. An initial report of findings was presented to the Board in January 2001. Two additional reports will be provided to the Board in FY 2002. The first, scheduled for the first quarter of the fiscal year, will outline a broad plan of action through 2030 to replace or rehabilitate PCCP. One of the key determinates in the decision to rehabilitate or replace are the issues emanating from the Regional Water Facilities Master Plan where greater capacity needs may drive replacement decisions. Staff will be working with representatives from member agencies to develop a schedule of work through FY 2010.

4.7 ESP Cost Revisions

During June and July of 2000, a detailed analysis of ESP costs was conducted in response to growing concerns about the potential for some ESP costs to change. The cost estimation process was rigorous, conservative, and based on a ground up estimation of the costs employing diverse perspectives and methodologies. Benchmarking and the consensus of professionals using diverse approaches to cost estimating were used to validate the revised projections.

Based on the stage at which each of the projects existed at the time, some projections regarding future ESP costs were known with high degrees of certainty (for example some phase I ESP projects), while others had lesser degrees of certainty as a result of volatility in the costs of some commodities and unknown site geology that will be studied during design. The summer 2000 analysis indicated that the costs of some projects continued to remain stable, some have gone down, and others were increasing.

As the result of netting out the decreases and increases, it appeared probable that ESP costs would increase from \$777.65 million to approximately \$816 million or an increase of about five percent. Of the \$38 million projected increase, approximately \$25 million would result from policy decisions and external influences, such as utilizing public agency mitigation properties and project delays while agreeing on a revenue structure.

There were other potential costs above the \$816 million level which reflected a pessimistic estimate of costs. These costs, which total about \$64 million, are associated with three issues. The first is associated with optional system modifications (e.g. larger San Vicente Pipeline, addition of pumped storage capabilities, etc.) which would improve system reliability, flexibility, and produce revenue for an additional cost of \$12 million. The second issue had to do with potential variations required in the design of some projects from what was estimated during the preparation of the ESP Environmental Impact Statement (EIS). Since design will not begin for several years on several of these projects, a pessimistic estimate of cost increases for these projects would add another \$42 million. Finally, the costs of labor, equipment and materials will fluctuate based on market conditions. It was estimated that these could add another \$10 million to the costs of ESP.

Near the end of the fiscal year, several events caused further adjustments to the budgeted costs of ESP. Additional information from the Optimization Study and regional demand forecasts projecting lower than initially anticipated North County demands permitted the removal of the Pipeline 5 Pump Station from ESP. Offsetting this reduction, was the higher than anticipated cost of Package 4 for the Olivenhain Dam. By the end of the fiscal year, the ESP budget was adopted as \$826.9 million which also included the optional system modifications.

4.8 Award of Package 4 of Olivenhain Dam

The bids for Package 4 of the Olivenhain Dam project were approximately \$15 million higher than had been anticipated. Based on cost revision work performed during the summer of 2000, staff had forecast an increase in the existing project budget of approximately \$26 million primarily due to increased quantities and costs of materials. Additional costs were added to the construction cost estimate during the third quarter of the fiscal year based on requested changes from the Division of Safety of Dams (DSOD), principally in the form of additional cement in the RCC mixture and resultant increases to contingencies.

The increases above anticipated costs were caused by two factors. First, the unreliable nature of commercial electrical power in California caused the bidders to include the ability to become self-sufficient in electrical power generation by including large on-site generation capabilities. Both the generators and the fuel to operate them forced costs sharply upward. Second, environmental mitigation constraints which will curtail the majority of the construction period to 12 hours a day, 5 days a week, also drove costs sharply higher. These site constraints forced contractors to select larger rock crushers to meet production schedules which are both in themselves more expensive and consume substantially more power/fuel. These same constraints also forced the contractors to have larger on-site storage of materials than would be required if they could access the site 24 hours a day. Finally, the 12-hour days force bidders into situations where they are continually paying overtime on every shift since it would not be practical to have two shifts in a 12-hour day.

4.9 Acquisition of ESP Mitigation Lands

Staff has been able to make substantial progress in acquiring ESP mitigation lands during this fiscal year. Based on Board guidance provided in May 2000, staff pursued an upland mitigation package that included significant public agency-nominated land. By November 2000, staff developed a package of properties consistent with the Board direction at an estimated cost of \$7.45 million. At the same time, a consortium of public agencies submitted a package of properties that met upland mitigation requirements at a cost of nearly \$11 million.

The subsequent discussions among staff and representatives of public agencies as well as officials from the U.S. Fish and Wildlife Service and California Department of Game and Wildlife services focused on identifying direct financial or "in-lieu" contributions that these agencies could provide to offset some or all of the cost difference between the staff recommendation and the Public Agency Alternative packages. Such offsets would allow acquisition of some or all of the properties preferred by the public agencies, while ensuring that the total net cost of the upland mitigation package would not exceed the staff recommended cost of \$7.45 million.

During the December 2000 Board meeting, staff was authorized to acquire up to 670 acres of upland mitigation. Staff acquired 325 acres from the City of San Diego, 200 acres at the San Miguel Conservation Bank, and 46 acres in the City of Poway. Subsequent changes in the habitat quality of lands targeted for purchase have resulted in a package requiring acquisition of as little as 649 acres. Staff continued discussions with our public agency partners and private landowners in the Escondido Creek and Oceanside areas for the remaining minimum 78 acres. Acquisition of the required upland mitigation acquisition must be satisfied before the option for purchase of additional mitigation bank lands expires on December 31, 2001.

As of the end of the fiscal year, the San Diego County and Authority staff have identified suitable acreage for wetland creation and received conceptual approval from the regulatory agencies.

5.0 Summary and Profile of CIP Expenditures

This section is included to provide the status of project costs incurred during FY 2001. Table 1 shows this fiscal year's basis of the CIP appropriation for each project, as well as the fiscal year expenditures. Table 2 shows project and program budgets, life-to-date expenditures, and expenditures through the end of the fiscal year. Table 3 summarizes milestone plans and attainments for CIP projects with FY 2001 appropriations greater than \$1 million. Figure 1 compares the actual rate of expenditures during the year with the rate of expenditures estimated at the time the capital budget was prepared.

6.0 Status of Major Professional Services Agreements, Construction, and Construction Management Contracts

Tables 4, 5, and 6 summarize the status of major consultant agreements, construction, and construction management contracts as of the end of the fiscal year.

7.0 Status of Reimbursements for Reimbursable Projects

Table 7 provides the status of reimbursable projects as of the end of the fiscal year.

TABLE 1
Capital Improvement Program

APPROPRIATION STATUS				
Project Name	Basis of FY 2001 Appropriation (1)	Total Actual Expenditures FY 2001	Remaining Appropriation (2)	Percent Remaining
Additional Aqueduct Right of Way Width	86,572	729,010	-642,438	0%
Aqueduct Alignment Corrections	151,215	2,314	148,901	98%
Aqueduct Protection Program	609,335	992,240	-382,905	0%
Bradley Park Relocation Pipelines 3 & 4	166,990	26,959	140,031	84%
Escondido Maintenance Warehouse	421,134	55,647	365,486	87%
Emergency Storage Project				
ESP - Diversion Structure Modification (Phase I)	0	1,514,692	-1,514,692	0%
ESP - ESP, Planning & Support Services (Phase I,II,III & IV)	11,989,175	11,163,582	825,593	7%
ESP - Lake Hodges Inlet / Outlet (Phase III)	0	0	0	0%
ESP - Lake Hodges to Olivenhain Pipeline (Phase III)	508,000	495,465	12,535	2%
ESP - Lake Hodges Pump Station (Phase III)	0	1,088	-1,088	0%
ESP - Modifications to Valley Center Pump Station (Phase I)	1,000,000	1,503,527	-503,527	0%
ESP - Olivenhain Dam & Reservoir (Phase I)	19,144,371	22,464,220	-3,319,849	0%
ESP - Olivenhain Pipelines & Interconnect (Phase I)	18,616,386	23,129,619	-4,513,233	0%
ESP - Olivenhain Pump Station (Phase I)	2,898,935	9,679,080	-6,780,145	0%
ESP - Operations Center Upgrade (Phase II)	0	0	0	0%
ESP - Pump Station at Pipeline 3 & Interconnect (Phase III)	0	0	0	0%
ESP - Pump Station at Pipeline 4 (Phase III)	0	0	0	0%
ESP - San Vicente Dam Raise (Phase IV)	0	0	0	0%
ESP - San Vicente Pipeline & Aqueduct Interconnect (Phase II)	1,643,359	1,347,366	295,993	18%
ESP - San Vicente Pump Station (Phase II)	68,129	80,635	-12,506	0%
ESP - San Vicente Recreation Facility (Phase IV)	0	0	0	0%
ESP - San Vicente to First Aqueduct Pipeline (Phase I)	1,934,750	285,511	1,649,239	85%
ESP Subtotal	57,803,105	71,664,785	-13,861,680	0%
Fallbrook 3 / Rainbow 1 FCF Upgrade	290,224	64,180	226,045	78%
Fallbrook 6 / DeLuz 1 FCF Throttling Valve Structure	320,000	221,276	98,724	31%
Geographic Information Systems	875,000	467,694	407,306	47%

TABLE 1
Capital Improvement Program

APPROPRIATION STATUS				
Project Name	Basis of FY 2001 Appropriation (1)	Total Actual Expenditures FY 2001	Remaining Appropriation (2)	Percent Remaining
Groundwater Storage & Recovery Project	934,110	218,218	715,892	77%
Levy Water Treatment Plant Expansion	969,372	8,610	960,763	99%
Miramar Pump Station Rehabilitation	0	5,760	-5,760	0%
Miramar Pump Station Valve & Meter Vaults	247,000	105,283	141,717	57%
Mitigation Program	275,727	1,712	274,015	99%
Moreno Lakeside Pipeline	3,912,897	1,972,448	1,940,449	50%
Moreno Lakeside Pipeline - Flow Control Facility	190,492	157,032	33,460	18%
Olivenhain 6 & 7 Flow Control Facility	175,266	25,042	150,224	86%
Olivenhain 8 Flow Control Facility	83,000	303,158	-220,158	0%
Pipelines 3 & 4 Conversion -Diversion Structure to Miramar	703,000	647,101	55,899	8%
Pipeline 3 Transfer to City of San Diego	88,441	12,312	76,129	86%
Pipeline 6	40,000	1,403	38,597	96%
Pipeline Drainage Program	0	0	0	0%
Post - Construction Mitigation Monitoring Program	191,372	98,484	92,888	49%
Ramona Reservoir Bypass	0	0	0	0%
Rancho Penasquitos Pipeline - Pressure Control Facility	255,071	451,503	-196,432	0%
Regional Colorado River Conveyance Feasibility Study	1,300,000	2,484,586	-1,184,586	0%
Regional Water Facilities Master Plan	614,059	546,038	68,021	11%
Replacement / Relining of Existing PCCP	3,017,638	2,695,659	321,979	11%
Right of Way Access Improvements	155,816	9,854	145,962	94%
San Diego 17 Pump Station	20,000	11,238	8,762	44%
SR 125 Second Aqueduct Relocation	20,000	347	19,653	98%
System Modifications	572,453	351,774	220,679	39%
Terminal Structure Modifications	639,063	49,096	589,967	92%
Twin Oaks Valley Diversion Structure	5,294,184	4,822,702	471,482	9%
ULFT Incentive Program	800,000	405,275	394,725	49%
Vallecitos 9 Flow Control Facility	462,860	173,416	289,444	63%

TABLE 1
Capital Improvement Program

APPROPRIATION STATUS				
Project Name	Basis of FY 2001 Appropriation (1)	Total Actual Expenditures FY 2001	Remaining Appropriation (2)	Percent Remaining
Vallecitos 10 Flow Control Facility	271,000	20,434	250,566	92%
Valley Center 8 Flow Control Facility	240,039	58,768	181,271	76%
Active Projects Subtotal	82,196,435	89,861,356	-7,664,922	0
Completed/Cancelled Projects				
Aqueduct Control System	0	20,282	-20,282	0%
Aqueduct Security Improvement Project	75,970	517,845	-441,875	0%
Escondido Facility Soils Remediation	52,909	12,099	40,810	77%
Line Structure Sealing Project	113,168	0	113,168	100%
ESP - Pipeline 5 Pump Station (Phase II)	651,263	500,354	150,909	23%
New Office Facility	6,357,843	9,475,505	-3,117,662	0%
San Diego 18 / 21 Flow Control Facility	702,005	703,951	-1,946	0%
Sonic Flow Meter Replacement Project	0	37,625	-37,625	0%
Valley Center Pump Station	1,265,855	1,110,208	155,647	12%
Valve / Actuator Procurement	0	214,164	-214,164	0%
Completed/Cancelled Projects Subtotal	9,219,013	12,592,031	-3,373,018	0%
CIP Budget Total	91,415,448	102,453,388	-11,037,940	0%

1. The term "Basis of Appropriation" is used here because the Board appropriates funds annually for the entire CIP, not for each individual project. The basis of appropriation shows the estimate of FY expenditures that were made in the budget proposal for each project, the sum of which forms the basis for the requested annual appropriation.
2. The Board has given staff the Authority to expend more than the basis of appropriation for individual projects. Board approval is required, however, to exceed either the individual project budget (see Table 2) or the annual CIP appropriation. The FY 2001 CIP appropriation was increased in June 2001, by Board action, to \$102.5 million.

TABLE 2
Capital Improvement Program

PROJECT BUDGET STATUS						
Project Name	Total Project Budget	Life-To-Date Expenditures Thru 6/30/00	Total Actual Expenditures FY 2001	Life-To-Date Expenditures Thru 6/30/01	Remaining Budget	Percent Remaining
Additional Aqueduct Right of Way Width	1,850,000	106,841	729,010	835,851	1,014,149	55%
Aqueduct Alignment Corrections	355,000	182,836	2,314	185,150	169,850	48%
Aqueduct Protection Program	8,000,000	4,563,611	992,240	5,555,851	2,444,149	31%
Bradley Park Relocation Pipelines 3 & 4	7,619,800	19,771	26,959	46,730	7,573,070	99%
Escondido Maintenance Warehouse	500,000	1,398	55,647	57,045	442,955	89%
Emergency Storage Project						
ESP - Diversion Structure Modification (Phase I)	3,500,000	549	1,514,692	1,515,242	1,984,758	57%
ESP - ESP, Planning & Support Services (Phase I,II,III & IV)	94,850,000	27,992,121	11,163,582	39,155,702	55,694,298	59%
ESP - Lake Hodges Inlet / Outlet (Phase III)	7,283,794	0	0	0	7,283,794	100%
ESP - Lake Hodges to Olivenhain Pipeline (Phase III)	24,729,426	0	495,465	495,465	24,233,961	98%
ESP - Lake Hodges Pump Station (Phase III)	35,681,274	139,508	1,088	140,596	35,540,678	100%
ESP - Modification to Valley Center Pump Station (Phase I)	2,000,000	395,191	1,503,527	1,898,718	101,282	5%
ESP - Olivenhain Dam & Reservoir (Phase I)	197,950,000	24,100,513	22,464,220	46,564,734	151,385,266	76%
ESP - Olivenhain Pipelines & Interconnect (Phase I)	33,000,000	4,201,807	23,129,619	27,331,425	5,668,575	17%
ESP - Olivenhain Pump Station (Phase I)	37,450,000	201,975	9,679,080	9,881,055	27,568,945	74%
ESP - Operations Center Upgrade (Phase II)	2,500,000	0	0	0	2,500,000	100%
ESP - Pump Station at Pipeline 3 & Interconnect (Phase III)	7,768,321	0	0	0	7,768,321	100%
ESP - Pump Station at Pipeline 4 (Phase III)	4,666,701	0	0	0	4,666,701	100%
ESP - San Vicente Dam Raise (Phase IV)	107,079,172	0	0	0	107,079,172	100%
ESP - San Vicente Pipeline & Aqueduct Interconnect (Phase II)	168,543,351	136,798	1,347,366	1,484,164	167,059,187	99%
ESP - San Vicente Pump Station (Phase II)	44,000,000	417,796	80,635	498,432	43,501,568	99%
ESP - San Vicente Recreation Facility (Phase IV)	22,047,961	8	0	8	22,047,953	100%
ESP - San Vicente to First Aqueduct Pipeline (Phase I)	6,500,000	223,328	285,511	508,839	5,991,161	92%
ESP Subtotal	799,550,000	57,809,594	71,664,785	129,474,378	670,075,622	84%
Fallbrook 3 / Rainbow 1 FCF Upgrade	1,359,000	177,088	64,180	241,268	1,117,732	82%
Fallbrook 6 / DeLuz 1 FCF Throttling Valve Structure	1,044,700	62,122	221,276	283,398	761,302	73%
Geographic Information Systems	6,200,000	1,601,139	467,694	2,068,832	4,131,168	67%

TABLE 2
Capital Improvement Program

PROJECT BUDGET STATUS						
Project Name	Total Project Budget	Life-To-Date Expenditures Thru 6/30/00	Total Actual Expenditures FY 2001	Life-To-Date Expenditures Thru 6/30/01	Remaining Budget	Percent Remaining
Groundwater Storage & Recovery Project	2,640,000	643,836	218,218	862,054	1,777,946	67%
Levy Water Treatment Plant Expansion	21,146,765	16,302,540	8,610	16,311,150	4,835,615	23%
Miramar Pump Station Rehabilitation	1,690,000	89,000	5,760	94,760	1,595,240	94%
Miramar Pump Station Valve & Meter Vaults	565,000	415,909	105,283	521,192	43,808	8%
Mitigation Program	4,000,000	3,425,145	1,712	3,426,857	573,143	14%
Moreno Lakeside Pipeline - Flow Control Facility	2,960,800	137,557	157,032	294,589	2,666,211	90%
Moreno Lakeside Pipeline	26,143,495	2,689,390	1,972,448	4,661,838	21,481,657	82%
Olivenhain 6 & 7 Flow Control Facility	850,000	17,337	25,042	42,379	807,621	95%
Olivenhain 8 Flow Control Facility	2,500,000	6,710	303,158	309,867	2,190,133	88%
Pipelines 3 & 4 Conversion-Diversion Structure to Miramar	2,258,900	1,390,624	647,101	2,037,725	221,175	10%
Pipeline 3 Transfer to City of San Diego	265,000	4,049	12,312	16,361	248,639	94%
Pipeline 6	121,900,000	3,024,615	1,403	3,026,019	118,873,981	98%
Pipeline Drainage Program	100,000	1,241	0	1,241	98,759	99%
Post - Construction Mitigation Monitoring Program	1,206,100	0	98,484	98,484	1,107,616	92%
Ramona Reservoir Bypass	400,000	53,620	0	53,620	346,380	87%
Rancho Penasquitos Pipeline - Pressure Control Facility	5,374,000	124,899	451,503	576,402	4,797,598	89%
Regional Colorado River Conveyance Feasibility Study	6,000,000	637,610	2,484,586	3,122,196	2,877,804	48%
Regional Water Facilities Master Plan	1,800,000	1,203,351	546,038	1,749,388	50,612	3%
Replacement / Relining of Existing PCCP	78,770,000	3,338,079	2,695,659	6,033,738	72,736,262	92%
Right of Way Access Improvements	650,000	63,530	9,854	73,385	576,615	89%
San Diego 17 Pump Station	100,000	5,745	11,238	16,984	83,016	83%
SR 125 Second Aqueduct Relocation	200,000	11,109	347	11,456	188,544	94%
System Modifications	10,260,000	5,682,980	351,774	6,034,754	4,225,246	41%
Terminal Structure Modifications	1,050,000	50,914	49,096	100,010	949,990	90%
Twin Oaks Valley Diversion Structure	18,620,000	11,924,973	4,822,702	16,747,675	1,872,325	10%
ULFT Incentive Program	6,300,000	3,744,969	405,275	4,150,245	2,149,755	34%
Vallecitos 9 Flow Control Facility	2,083,800	221,560	173,416	394,976	1,688,824	81%

TABLE 2
Capital Improvement Program

PROJECT BUDGET STATUS						
Project Name	Total Project Budget	Life-To-Date Expenditures Thru 6/30/00	Total Actual Expenditures FY 2001	Life-To-Date Expenditures Thru 6/30/01	Remaining Budget	Percent Remaining
Vallecitos 10 Flow Control Facility	376,800	15,616	20,434	36,049	340,751	90%
Valley Center 8 Flow Control Facility	380,000	190,201	58,768	248,969	131,031	34%
Active Projects Subtotal	1,147,069,160	119,941,510	89,861,356	209,802,866	937,266,294	82%
Completed/Cancelled Projects						
Aqueduct Control System	4,570,000	4,584,276	20,282	4,604,558	-34,558	0%
Aqueduct Security Improvement Project	532,000	7,977	517,845	525,822	6,178	1%
Escondido Facility Soils Remediation	235,000	125,119	12,099	137,218	97,782	42%
ESP - Pipeline 5 Pump Station (Phase II)	28,000,000	41,740	500,354	542,094	27,457,906	98%
Line Structure Sealing Project	143,000	143,056	0	143,056	-56	0%
New Office Facility	16,000,000	6,459,001	9,475,505	15,934,506	65,494	0%
San Diego 18 / 21 Flow Control Facility	2,396,900	1,414,599	703,951	2,118,550	278,350	12%
Sonic Flow Meter Replacement Project	665,000	621,694	37,625	659,319	5,681	1%
Valley Center Pump Station	2,785,000	1,646,997	1,110,208	2,757,205	27,795	1%
Valve / Actuator Procurement	900,000	684,819	214,164	898,983	1,017	0%
Completed/Cancelled Projects Subtotal	56,226,900	15,729,278	12,592,031	28,321,309	27,905,591	50%
CIP Budget Total	1,203,296,060	135,670,787	102,453,388	238,124,175	965,171,885	80%

CAPITAL IMPROVEMENT PROGRAM

Projected vs. Actual Expenditures
 July 1, 2000 through June 30, 2001

FIGURE 1

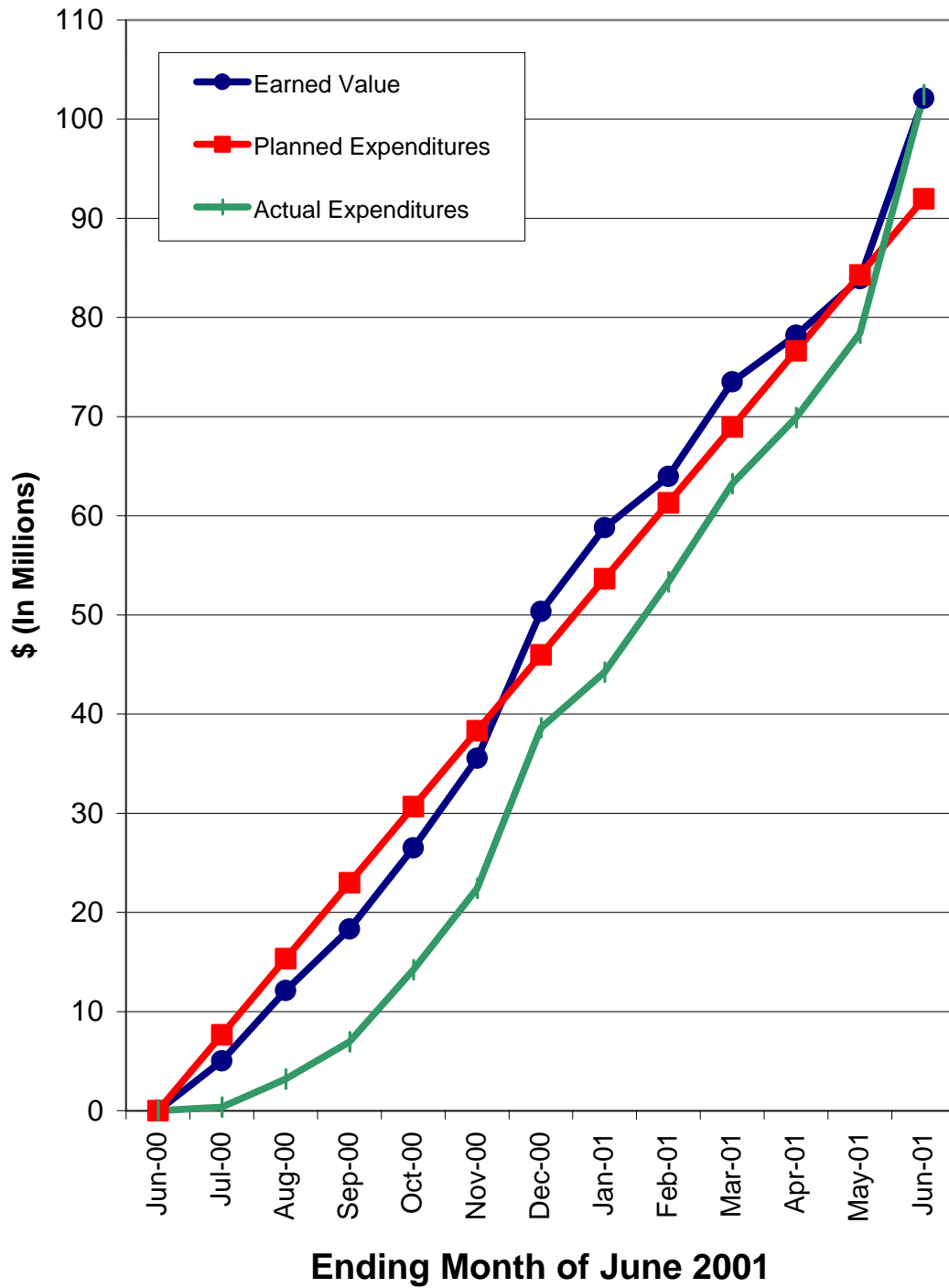


TABLE 3
Capital Improvement Program

Project	Milestone Identified in 2000/2001 CIP	Est. Date in FY 2001 CIP	Actual or Forecast Date	Comments
ESP - Planning & Support Services	<ul style="list-style-type: none"> ◆Begin cultural resources site investigation ◆Complete ESP Optimization Study ◆Acquire uplands mitigation lands ◆Acquire wetlands mitigation property 	7/00 11/00 6/01 6/01	7/00 5/01 12/01 10/01	Review by USACOE for Beeler Stub is complete. San Vicente geotechnical investigations delayed. 75% complete as of June 2001. Waiting on County and member agency actions.
ESP - Modifications to Valley Center Pump Station	<ul style="list-style-type: none"> ◆Complete initial modifications to the Valley Center Pump Station 	3/01	6/01	Issued Notice of Completion and placed facility into operation.
ESP - Olivenhain Dam & Reservoir	<ul style="list-style-type: none"> ◆Complete final design ◆Complete foundation excavation ◆Award contract for construction of dam 	8/00 3/01 3/01	11/00 6/01 5/01	Revised contract documents to reflect additional permit requirements of the California Division of Safety of Dams. Additional work was transferred to the foundation contract to maintain the critical path in order to mitigate delays due to delays in award of the contract for construction of the dam. The award of the contract was delayed due to higher than expected construction bids. Additional time was needed to evaluate the causes and to negotiate cost/credit changes to the contract prior to issuing a notice of award.
ESP - Olivenhain Pipelines and Interconnect	<ul style="list-style-type: none"> ◆Continue construction 	6/01	12/01	Revised contract completion date excluding delivery and installation of 54-inch ball valves.
ESP - Olivenhain Pump Station	<ul style="list-style-type: none"> ◆Award construction management Agreement ◆Begin procurement of specialized components ◆Install electrical substation ◆Continue design 	3/01 5/01 5/01 6/01	12/01 12/01 10/01 6/01	Staff resources re-directed toward completion of the Olivenhain Electrical system. Will be completed by actual date power is needed. Design continues on schedule.
ESP - San Vicente Pipeline & Aqueduct Interconnect	<ul style="list-style-type: none"> ◆Select route ◆Award design contract 	12/00 4/01	6/01 12/01	Selected the tunnel option as the preferred alternative after additional review by City of San Diego. Additional geotechnical investigations delayed decisions.
ESP - San Vicente to First Aqueduct Pipeline	<ul style="list-style-type: none"> ◆Complete design of pipeline ◆Award construction contract for pipeline 	1/01 4/01	6/01 10/01	Permitting issues caused delay. Delay due to Bypass Agreement Negotiation Impasse.
Moreno - Lakeside Pipeline	<ul style="list-style-type: none"> ◆Complete final design ◆Advertise project for bid ◆Award Construction Contract 	3/01 6/01 6/01	3/01 10/01 1/02	Project delayed due to permit and Bypass Agreement Negotiation Impasse issues.
New Office Facility	<ul style="list-style-type: none"> ◆Retain a vendor to provide systems furniture ◆Retain a vendor to provide filing system ◆Complete construction ◆Complete move-in activities 	9/00 10/00 2/01 2/01	9/00 10/00 2/01 2/01	Completed construction and moved into new office.
Regional Colorado River Conveyance Feasibility Study	<ul style="list-style-type: none"> ◆Begin study Mexico Alignments ◆Complete Geotechnical Field Program ◆Complete cost refinement US alignments 	10/00 12/00 3/01	10/00 12/00 2/01	Project is on schedule for completion of Study in FY 2002.
Replacement / Relining of Existing PCCP	<ul style="list-style-type: none"> ◆Award contract and complete construction of steel relining of pipeline 3 in Rancho Penasquitos ◆Begin design of rehabilitation of PCCP in areas recommended by the APP 	7/00 6/01	9/00 1/02	Construction was completed in September 2000. Project delayed pending resolution of repair/replacement decisions drawn by Regional Facilities Master Plan.
Twin Oaks Valley Diversion Structure	<ul style="list-style-type: none"> ◆Complete construction 	6/01	9/01	Construction delayed due to project changes and inclement weather delays.
Valley Center Pump Station	<ul style="list-style-type: none"> ◆Complete construction 	3/01	6/01	Issued Notice of Completion and placed facility into operation.

TABLE 4
Capital Improvement Program

PLANNING AND DESIGN CONTRACT STATUS									
Project Number	Consultant	Original Contract Amount	Amendments	Total Amount	Invoiced to Date	Percent \$ Invoiced	Start Date	Finish Date	Time Elapsed Percent
D1001	Simon Wong Engineering	14,345	10,040	24,385	10,241	42%	8/00	6/02	49%
E0203	Black & Veatch	467,500	2,898,589	3,366,089	3,165,773	94%	4/92	3/02	93%
F0101	Black & Veatch	4,950,000	-	4,950,000	865,049	17%	2/95	6/04	69%
G0200	GEI Consultants, Inc.	500,000	6,149,092	6,649,092	5,106,738	77%	3/98	3/03	66%
G0200	Henwood Energy Services, Inc.	45,400	-	45,400	27,343	60%	5/01	2/02	18%
G0200	Johnson Management Group	970,144	-	970,144	340,000	35%	3/00	12/03	35%
G0200	Katz & Associates	340,849	399,000	739,849	361,399	49%	5/99	6/02	68%
G0200	EDAW	4,300,000	-	4,300,000	2,546,515	59%	1/99	11/03	50%
G0200	Marsh USA Inc.	2,729,366	605,000	3,334,366	231,350	7%	11/99	6/10	15%
G0200	Parsons Infrastructure	3,779,800	1,720,000	5,499,800	2,190,731	40%	8/99	4/04	40%
G0300	Parsons-Harza	6,950,000	3,687,788	10,637,788	7,955,035	75%	8/98	4/03	61%
G0400	Camp, Dresser, and McKee	960,000	96,000	1,056,000	1,049,632	99%	9/98	12/01	87%
G0500	CH2M Hill	4,400,000	-	4,400,000	1,786,000	41%	8/00	11/03	27%
G0700	Brierley Associates	658,775	-	658,775	255,399	39%	1/00	5/03	45%
H0101	Montgomery Watson	595,720	310,414	906,134	726,752	80%	12/97	12/01	89%
H0201	Merkel & Associates	100,000	40,000	140,000	102,319	73%	2/96	2/02	90%
H0201	Hinshaw & Associates	49,000	-	49,000	19,607	40%	5/97	5/02	83%
H0201	SDG&E/J. Whalen	49,000	-	49,000	19,358	40%	11/98	Open	
I0201	Montgomery Watson	429,000	-	429,000	394,266	92%	9/99	12/01	81%
I0201	Black & Veatch	150,000	50,000	200,000	178,864	89%	8/99	12/01	82%
I0201	Boyle Engineering Corporation	500,000	-	500,000	182,562	37%	2/01	12/01	49%
M0201	Richard Brady & Associates	268,000	-	268,000	82,384	31%	4/00	7/02	53%
M0221	Daniel Boyle Engineering	302,500	-	302,500	186,236	62%	9/99	9/01	89%
M0241	Carollo Engineers	260,000	-	260,000	20,660	8%	5/00	8/01	93%
N0034	Parsons-Engineering Science	2,881,570	-	2,881,570	2,247,000	78%	10/97	9/03	63%
N0034	Dudek & Associates	240,000	50,000	290,000	287,555	99%	3/99	10/01	90%
R0101	M.J. Schiff	250,000	-	250,000	80,566	32%	11/99	11/02	54%
R0101	The Pressure Pipe Inspection Company	140,000	-	140,000	135,000	96%	11/00	11/01	59%
R0101	Raz Konyalian (As-Needed CAR Services)	940,000	-	940,000	44,341	5%	12/00	12/05	11%
R0101	Russell Corrosion Consultants	100,000	-	100,000	43,288	43%	1/00	1/03	47%
Total		32,889,124	13,107,294	45,996,418	26,600,901	58%			

TABLE 5
Capital Improvement Program

CONSTRUCTION CONTRACT STATUS											
Project Number	Spec No.	Contractor	Scope	Original Contract Amount	Amendments	Total Amount	Invoiced to Date	Percent \$ Invoiced	Start Date	Finish Date	Time Elapsed Percent
E0202/G1501	449	C.E. Wylie	Twin Oaks Valley Diversion Structure	10,640,000	161,001	10,801,001	9,472,093	88%	11/99	9/01	91%
G0306	513	Kiewit Pacific	Olivenhain Dam- Package 4: Dam and Appurtenances	134,795,156	-	134,795,156	5,800,000	4%	5/01	4/03	8%
G0300		Able Patrol	Olivenhain Site Security	565,000	-	565,000	31,661	6%	3/01	12/03	12%
G0300		Board of Senior Consultants	Olivenhain Dam Construction Support	155,000	-	155,000	25,393	16%	4/01	12/04	7%
G0400	501	Morrison Knudsen Corporation	Olivenhain Pipelines (Phase II)	23,189,000	58,651	23,247,651	19,943,400	86%	8/00	12/01	68%
Total				169,344,156	219,652	169,563,808	35,272,547	21%			

TABLE 6
Capital Improvement Program

CONSTRUCTION MANAGEMENT CONTRACT STATUS										
Project Number	Consultant	Scope	Original Contract Amount	Amendments	Total Amount	Invoiced to Date	Percent Invoiced	Start Date	Finish Date	Time Elapsed Percent
E0202/ G1501	McDonald/Stephens Engineers	Diversion Structure CM Services	650,000	240,000	890,000	794,213	89%	7/99	9/01	92%
E0202/ G1501	Klienfelder	Diversion Structure Geotechnical Services	260,000	-	260,000	133,613	51%	7/99	9/01	92%
E0202/ G1501	RW Hunt	Pipe Fabrication Inspection	200,000	-	200,000	141,846	71%	7/99	8/01	96%
G0300	Raytheon Infrastructure	Olivenhain Dam CM Services	11,900,000	-	11,900,000	3,648,472	31%	2/00	4/03	44%
G0400	Dudek & Associates	Olivenhain Pipelines CM Services	2,500,000	-	2,500,000	1,091,192	44%	6/00	3/02	59%
Total			15,779,055	383,824	16,162,879	6,211,942	38%			

Table 7
Capital Improvement Program

STATUS OF REIMBURSEMENTS FOR REIMBURSABLE PROJECTS											
Project Name	Project Budget	Reimbursable Budget	Budgeted Authority Cost	Life to Date Expenditures 6/30/01	Note	Amount Eligible to be Invoiced	Reimbursements		Reimbursements		Deposits
							Invoiced FY 2001	Invoiced LTD	Received FY 2001	Received To Date	Received To Date
Abandonment of Pipeline 4 at Alvarado	\$39,000	\$1,975	-	\$1,975	1,5	\$1,975	-	\$1,975	-	\$1,975	-
Olivenhain Dam Packages 2,3,&4	\$197,950,000	\$22,500,000	\$175,450,000	\$44,071,716		\$5,772,593	\$2,606,170	\$3,908,540	\$1,907,161	\$3,209,531	-
Olivenhain Pipelines & Interconnect	\$33,000,000	\$6,954,000	\$26,046,000	\$24,792,480		\$5,358,860	\$4,167,149	\$4,604,053	\$3,713,352	\$4,150,256	-
Moreno-Lakeside Flow Control Facility	\$2,960,800	\$1,510,008	\$1,450,792	\$294,589	2		-	-	-	-	\$347,530
Moreno-Lakeside Pipeline	\$26,143,495	\$1,138,500	\$25,004,995	\$4,661,838	2						\$250,470
Olivenhain 6 and 7 Flow Control Facility	\$850,000	\$145,000	\$705,000	\$42,379	2	-	-	-	-	-	\$145,000
Olivenhain 8 Flow Control Facility	\$2,500,000	\$2,500,000	-	\$315,257	2	-	-	-	-	-	\$450,000
Pipeline 3 transfer to City of SD	\$265,000	\$265,000	-	\$16,361	1	-	-	-	-	-	-
Regional Colorado River Conveyance Feasibility Study	\$6,000,000	\$5,500,000	\$500,000	\$3,122,196		\$2,925,979	\$2,561,515	\$2,561,515	\$1,482,621	\$1,482,621	-
Relocation of Pipeline 3 at SR 125/94	\$8,290,000	\$8,290,000	-	\$6,672,905	3	\$6,672,905	\$2,627,636	\$6,920,351	\$2,111,330	\$6,404,045	-
San Diego 17 FCF/Pumping Facility	\$100,000	\$100,000	-	\$16,964	2	-	-	-	-	-	\$100,000
San Diego 18/21 Flow Control Facility	\$2,400,000	\$2,400,000	-	\$2,118,550	2	-	-	-	-	-	\$1,761,000
South Bay Freeway Crossing	\$400,000	\$400,000	-	\$398,354	1,5	\$398,354	\$398,354	\$398,354	\$398,354	\$398,354	-
SR 125 Second Aqueduct Relocation	\$200,000	\$200,000	-	\$11,456	1	-	-	-	-	-	-
Valley Center 8 Flow Control Facility	\$380,000	\$380,000	-	\$248,969	2	-	-	-	-	-	\$87,340
Lower Otay Pipeline & Flow Control Facilities	\$39,550,000	\$450,000	\$39,100,000	\$39,472,915	2,5	\$405,504	-	-	\$405,504	\$405,504	-
Totals	\$321,028,295	\$52,734,483	\$268,256,787	\$126,258,903	4	\$21,536,170	\$12,360,824	\$18,394,788	\$10,018,322	\$16,052,287	\$3,141,340

1. Reimbursement occurs at the end of the project.
2. Amounts on deposit. These amounts remain as deposits until project ends, at which time they become reimbursements.
3. Amount invoiced is larger than amount of expenditures because also billing for water usage and depreciation.
4. The "Invoiced FY 2001" total does not reflect adjustments for interest on deposits and miscellaneous payments.
5. These closed projects for Fiscal Year 2000 had invoicing and/or receipts during Fiscal Year 2001.

8.0 DETAILED PROJECT INFORMATION

Appendix B contains detailed information on each CIP project.

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CAPITAL IMPROVEMENT PROGRAM LOCATION MAP

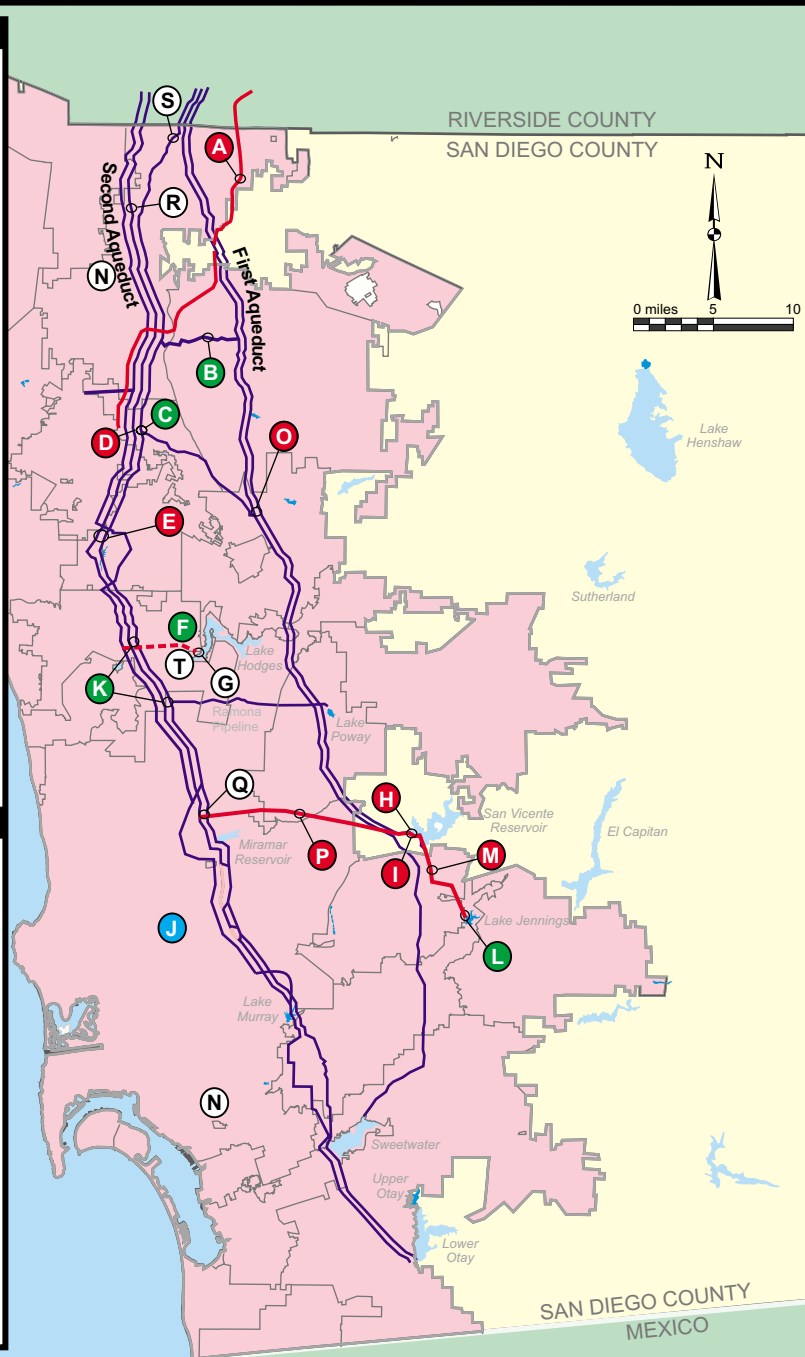
FIGURE A-1

PROJECTS SHOWN:

- A** Pipeline 6
- B** Valley Center Pump Station
- C** Twin Oaks Valley Diversion Structure
- D** ESP Diversion Structure Modifications
- E** Bradley Park Relocation Pipelines 3 & 4
- F** Olivenhain Emergency Storage Projects
- G** Lake Hodges P.S. - Emergency Storage Project
- H** San Vicente Emergency Storage Projects
- I** San Vicente to 1st Aqueduct Pipeline
- J** SDCWA New Office Facility, Kearny Mesa
- K** Pipeline 3 & 4 Conversion - Diversion Structure to Miramar
- L** Levy Water Treatment Plant Expansion
- M** Moreno Lakeside Pipeline & FCF
- N** Groundwater Storage & Recovery Project
- O** Terminal Structure Modifications
- P** San Vicente to 2nd Aqueduct Pipeline
- Q** Rancho Penasquitos Pressure Control/ Hydroelectric Facility
- R** Pipeline 4 Pump Station
- S** Pipeline 3 Pump Station
- T** Lake Hodges Pipeline - Emergency Storage Project

PROJECTS NOT SHOWN:

- Additional Aqueduct ROW Width
- Aqueduct Alignment Corrections
- Aqueduct Protection Program
- Regional Colorado River Conveyance Feasibility Study
- Escondido Maintenance Warehouse
- Fallbrook 3/Rainbow 1 FCF Upgrade
- Fallbrook 6/Deluz 1 FCF Throttling Valve Structure
- Geographic Information Systems
- Miramar Pump Station Projects
- Mitigation Program
- Olivenhain 6 & 7 FCF
- Olivenhain 8 FCF
- Regional Water Facilities Master Plan
- Replacement / Relining of Exist. PCCP
- Right of Way Access Improvement
- SR 125 Second Aqueduct Relocation
- System Modifications
- ULFT Incentive Program
- Vallecitos 9 FCF
- Vallecitos 10 FCF
- Valley Center 8 FCF



LEGEND

- (L) **--- PLANNING / EIR**
- (L) **--- DESIGN STAGE**
- (L) **— COMPLETED, IN USE**
- (L) **— UNDER CONSTRUCTION**

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**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0341
Project Name: Additional Aqueduct Right of Way Width
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	1,816,610	73,450	728,603	802,053	1,014,556
Construction	0	0	113	113	-113
Post-Construction	33,390	33,390	294	33,684	-294
Totals	1,850,000	106,840	729,010	835,851	1,014,149

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Close negotiations through Black Mountain Ranch.	* Completed.
* Establish priorities for acquisition at two new locations.	* Completed.
* Evaluate width required at two new locations.	* Completed.
* Complete appraisals.	* Completed.
* Make offers/deposit funds for acquisition at two new locations.	* Deferred to FY 2002.
* Assess need to extend the acquisition of additional right of way into future years.	* Will be completed in FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0281
Project Name: Aqueduct Alignment Corrections
Board Approval: June 1996

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	313,317	62,422	182	62,604	250,713
Construction	0	1,070	0	1,070	-1,070
Post-Construction	41,683	119,344	2,132	121,476	-79,793
Totals	355,000	182,836	2,314	185,150	169,850

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete corrections in five areas.	* Work deferred pending other priorities.
* Assess need to extend additional alignment corrections into future years.	* Work deferred pending other priorities.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: R0101
Project Name: Aqueduct Protection Program
Board Approval: January 1992

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	8,055	8,075	532	8,606	-551
Design	6,135,172	4,094,663	931,092	5,025,755	1,109,417
Construction	1,832,966	417,662	47,920	465,582	1,367,384
Post-Construction	23,807	43,211	12,696	55,908	-32,101
Totals	8,000,000	4,563,611	992,240	5,555,851	2,444,149

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete construction of corrosion monitoring test stations for Pipelines 3 and 4.	* Corrosion monitoring test stations completed March 2001.
* Complete Corrosion Monitoring Manual.	* Corrosion Monitoring Manual completed May 2001.
* Develop standard corrosion details.	* Completed 80% of standard corrosion details.
* Continue internal inspections.	* Inspected 29 miles of pipelines.
* Prepare recommendations for rehabilitation or replacement of Authority PCCP.	* Prepared draft recommendations for rehabilitation of Authority PCCP.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: D0701
Project Name: Bradley Park Relocation Pipelines 3 & 4
Board Approval: May 1993

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	2,256	2,208	49	2,257	-1
Design	962,430	17,563	26,910	44,473	917,957
Construction	6,627,279	0	0	0	6,627,279
Post-Construction	27,835	0	0	0	27,835
Totals	7,619,800	19,771	26,959	46,730	7,573,070

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Award professional services agreement for design and construction support.	* A professional services agreement was awarded for design.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0271
Project Name: Escondido Maintenance Warehouse
Board Approval: June 1996

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	58,212	1,290	54,443	55,733	2,479
Construction	440,788	108	1,204	1,312	439,476
Post-Construction	1,000	0	0	0	1,000
Totals	500,000	1,398	55,647	57,045	442,955

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Finalize design, advertise for bids, and award construction contract.	* Completed preliminary design report and reviewed 90% plans and specs. FY 2001 milestones were not completed due to slow response in receiving manufactured building design information and preparation of 90% plans and specs by the architect and sub-consultants.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1500
Project Name: ESP - Diversion Structure Modifications
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	327,408	549	0	549	326,859
Construction	3,154,337	0	1,514,692	1,514,692	1,639,645
Post-Construction	18,255	0	0	0	18,255
Totals	3,500,000	549	1,514,692	1,515,242	1,984,758

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Perform initial modification to the Diversion Structure as part of the construction of the Twin Oaks Valley Diversion Structure.	* Completed phase I ESP modifications concurrently with construction of the Twin Oaks Valley Diversion Structure.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G0200
Project Name: ESP - Emergency Storage Project, Planning & Support Services
Board Approval: April 1988

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	18,680,320	18,680,321	0	18,680,321	-1
Design	32,278,952	7,223,166	8,374,394	15,597,560	16,681,392
Construction	43,844,629	2,088,634	2,789,188	4,877,822	38,966,807
Post-Construction	46,099	0	0	0	46,099
Totals	94,850,000	27,992,121	11,163,582	39,155,703	55,694,297

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete ESP Optimization Study.	* Completed ESP Optimization Study.
* Acquire off-site biological mitigation land.	* Acquired 571 acres of upland mitigation property out of 649 total acres required.
* Award uplands mitigation contract.	* No separate upland mitigation contract is needed for the properties selected and/or already acquired.
* Begin cultural resources site investigation.	* Began cultural resources site investigation and drafted Historic Properties Treatment Plan for the ESP.
* Pay annual OCIP premium.	* Paid annual OCIP premium.
* Continue public works outreach efforts.	* Continued public works outreach efforts.
* Complete development of construction safety program.	* Prepared draft of construction safety program for implementation in early FY 2002.
* Continue administration of OCIP and PLA.	* Continued administration of OCIP and PLA.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1100
Project Name: ESP - Lake Hodges Inlet/Outlet
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	705,812	0	0	0	705,812
Construction	6,538,628	0	0	0	6,538,628
Post-Construction	39,354	0	0	0	39,354
Totals	7,283,794	0	0	0	7,283,794

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. Design of this project is scheduled to start in FY 2004.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1200
Project Name: ESP - Lake Hodges to Olivenhain Pipeline
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	2,615,615	0	296,197	296,197	2,319,418
Construction	21,986,429	0	199,268	199,268	21,787,161
Post-Construction	127,382	0	0	0	127,382
Totals	24,729,426	0	495,465	495,465	24,233,961

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Award Olivenhain Reservoir inlet/outlet construction contract.	* Construction contract for the Headworks was awarded as part of the Olivenhain Dam.
* Complete design of Headworks.	* Design completed.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1300
Project Name: ESP - Lake Hodges Pump Station
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	1,754,114	139,508	1,088	140,596	1,613,518
Construction	33,827,160	0	0	0	33,827,160
Post-Construction	100,000	0	0	0	100,000
Totals	35,681,274	139,508	1,088	140,596	35,540,678

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. Design of this project is scheduled to begin in FY 2004.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1600
Project Name: ESP - Modifications to Valley Center Pump Station
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	0	0	0	0	0
Construction	2,000,000	395,191	1,503,527	1,898,718	101,282
Post-Construction	0	0	0	0	0
Totals	2,000,000	395,191	1,503,527	1,898,718	101,282

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete initial modifications to the Valley Center Pump Station under the Valley Center Pump Station construction contract.	* Initial modifications were completed at the close of FY 2001.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G0300
Project Name: ESP - Olivenhain Dam & Reservoir
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	11,479	6,072	4,558	10,630	849
Design	21,249,132	16,683,262	3,004,989	19,688,251	1,560,882
Construction	172,464,478	7,411,173	19,454,674	26,865,846	145,598,631
Post-Construction	4,224,911	7	0	7	4,224,904
Totals	197,950,000	24,100,513	22,464,220	46,564,734	151,385,266

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete final design.	* Completed final design.
* Complete foundation excavation.	* Completed foundation excavation.
* Award contract for construction of dam.	* Awarded contract for construction of dam.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G0400
Project Name: ESP - Olivenhain Pipelines & Interconnects
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	7,255	0	7,255	-7,255
Design	1,815,014	1,841,277	66,525	1,907,802	-92,788
Construction	30,945,321	2,352,679	23,060,632	25,413,310	5,532,011
Post-Construction	239,665	596	2,462	3,057	236,608
Totals	33,000,000	4,201,806	23,129,619	27,331,425	5,668,575

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Continue construction.	* Construction continued.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G0500
Project Name: ESP - Olivenhain Pump Station
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	447	624	1,071	-1,071
Design	4,263,522	201,528	2,371,504	2,573,033	1,690,489
Construction	33,096,909	0	7,306,950	7,306,950	25,789,959
Post-Construction	89,569	0	1	1	89,568
Totals	37,450,000	201,975	9,679,080	9,881,055	27,568,945

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Continue design.	* Design continued on schedule through the end of FY 2001.
* Award construction management services agreement.	* Award of construction management will occur in FY 2002.
* Begin procurement of specialized mechanical and electrical components.	* Procurement of M&E equipment procurement will begin in FY 2002.
* Complete installation of electrical substation.	* Electrical substation installation contract was extended to FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1900
Project Name: ESP - Operations Center Upgrade
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	331,500	0	0	0	331,500
Construction	2,147,399	0	0	0	2,147,399
Post-Construction	21,101	0	0	0	21,101
Totals	2,500,000	0	0	0	2,500,000

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. Design of this project is scheduled to start in FY 2003.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1700
Project Name: ESP - Pump Station at Pipeline 3 & Interconnect
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	803,086	0	0	0	803,086
Construction	6,838,492	0	0	0	6,838,492
Post-Construction	126,743	0	0	0	126,743
Totals	7,768,321	0	0	0	7,768,321

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. Design of this project is scheduled to start in FY 2004.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1800
Project Name: ESP - Pump Station at Pipeline 4
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	762,372	0	0	0	762,372
Construction	3,885,019	0	0	0	3,885,019
Post-Construction	19,310	0	0	0	19,310
Totals	4,666,701	0	0	0	4,666,701

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. Design of this project is scheduled to start in FY 2006.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1400
Project Name: ESP - San Vicente Dam Raise
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	7,425,542	0	0	0	7,425,542
Construction	98,653,630	0	0	0	98,653,630
Post-Construction	1,000,000	0	0	0	1,000,000
Totals	107,079,172	0	0	0	107,079,172

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. Design of this project is scheduled to start in FY 2006.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G0700
Project Name: ESP - San Vicente Pipeline & Aqueduct Interconnect
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	8,102	8,102	-8,102
Design	8,399,077	136,798	1,338,342	1,475,140	6,923,937
Construction	159,144,274	0	922	922	159,143,352
Post-Construction	1,000,000	0	0	0	1,000,000
Totals	168,543,351	136,798	1,347,366	1,484,164	167,059,187

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Select route.	* Selected route for the San Vicente Pipeline.
* Award design agreement.	* Design is anticipated to be awarded at the December 2001 Board meeting.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G0600
Project Name: ESP - San Vicente Pump Station
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	574	0	574	-574
Design	2,145,000	416,933	80,635	497,568	1,647,432
Construction	41,755,000	289	0	289	41,754,711
Post-Construction	100,000	0	0	0	100,000
Totals	44,000,000	417,796	80,635	498,432	43,501,568

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Optimize preliminary design.	* Preliminary design of the San Vicente Pump Station will begin in FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G0800
Project Name: ESP - San Vicente Recreation Facility
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	2,066,751	8	0	8	2,066,743
Construction	19,866,266	0	0	0	19,866,266
Post-Construction	114,944	0	0	0	114,944
Totals	22,047,961	8	0	8	22,047,953

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. Design of this project is scheduled to start in FY 2006.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G1000
Project Name: ESP - San Vicente to First Aqueduct Pipeline
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	515,000	223,327	284,006	507,333	7,667
Construction	5,985,000	0	1,505	1,505	5,983,495
Post-Construction	0	0	0	0	0
Totals	6,500,000	223,327	285,511	508,838	5,991,162

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete design of pipeline.	* Design of pipeline was completed.
* Complete design of pump station.	* The MLP pump station will be constructed as part of the San Vicente Pump Station project.
* Award construction contract for pipeline.	* Advertisement of construction bids is anticipated in October 2001.
* Award construction contract for pump station.	* Advertisement of construction bids is anticipated in October 2001.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0201
Project Name: Fallbrook 3/Rainbow 1 FCF Upgrade
Board Approval: June 1996

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	10,000	9,992	99	10,091	-91
Design	434,000	113,493	63,586	177,079	256,921
Construction	915,000	53,603	495	54,098	860,902
Post-Construction	0	0	0	0	0
Totals	1,359,000	177,088	64,180	241,268	1,117,732

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete environmental documentation.	* Environmental documentation has been completed.
* Complete preliminary design.	* Preliminary design has completed.
* Complete final design.	* Final design will begin in FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0221
Project Name: Fallbrook 6/DeLuz 1 FCF Throttling Valve Structure
Board Approval: June 1996

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	10,000	583	394	977	9,023
Design	546,000	61,395	220,870	282,265	263,735
Construction	488,700	79	12	90	488,610
Post-Construction	0	65	0	65	-65
Totals	1,044,700	62,122	221,276	283,398	761,302

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete design.	* Design is 90 percent complete.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: H0301
Project Name: Geographic Information Systems
Board Approval: June 1996

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	917,473	1,006,931	64,940	1,071,871	-154,398
Design	134,600	10,086	1,073	11,158	123,442
Implementation	5,122,927	584,122	401,681	985,803	4,137,124
Training	25,000	0	0	0	25,000
Totals	6,200,000	1,601,139	467,694	2,068,832	4,131,168

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Field inventory and GPS all facilities (air vents, blow off valves, manholes) along First Aqueduct.	* Field Inventory has been postponed until FY 2002.
* Modify Sensitive Resource Atlas for O&M Department use.	* Sensitive Resource Atlas modifications are 90 percent complete.
* Continue development of Right of Way Department Information Management System to include tracking of Encroachment Permits.	* ROW Information Management System is undergoing re-design.
* Update orthophotos of the Aqueduct.	* Orthophotos are 25 percent completed.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: T0102
Project Name: Groundwater Storage and Recovery Project
Board Approval: June 1997

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	2,640,000	643,837	218,218	862,054	1,777,946
Design	0	0	0	0	0
Construction	0	0	0	0	0
Post-Construction	0	0	0	0	0
Totals	2,640,000	643,837	218,218	862,054	1,777,946

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Initiate field investigations and aquifer tests to confirm hydrogeologic characteristic of the aquifer systems.	* Pre-field investigation planning activities and preliminary groundwater modeling are underway in the Lower San Luis Rey River Valley (Mission and Bonsall Basins). Actual field Investigation activities and aquifer testing will commence in the second quarter of FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0031
Project Name: Levy Water Treatment Plant Expansion
Board Approval: October 1989

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	137,675	137,675	0	137,675	0
Design	1,103,001	1,121,542	281	1,121,823	-18,822
Construction	19,901,954	15,042,830	8,329	15,051,159	4,850,795
Post-Construction	4,135	494	0	494	3,641
Totals	21,146,765	16,302,540	8,610	16,311,150	4,835,615

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Continue monitoring construction.	* Construction monitoring is ongoing.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0331
Project Name: Miramar Pump Station Rehabilitation
Board Approval: June 1997

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	38,291	0	38,291	-38,291
Design	200,000	942	0	942	199,058
Construction	1,490,000	49,768	5,760	55,528	1,434,472
Post-Construction	0	0	0	0	0
Totals	1,690,000	89,000	5,760	94,760	1,595,240

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Coordinate improvements with City of San Diego's Miramar Water Treatment Plant improvements.	* Continued coordination with City of San Diego.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0191
Project Name: Miramar Pump Station Valve & Meter Vaults
Board Approval: June 1996

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	15,760	465	16,226	-16,226
Design	135,000	105,389	3,063	108,452	26,548
Construction	430,000	294,761	101,754	396,515	33,485
Post-Construction	0	0	0	0	0
Totals	565,000	415,910	105,283	521,192	43,808

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Start and complete construction of meter vault.	* Construction of the meter vault was not initiated due to other priorities for the Authority's construction group.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: H0201
Project Name: Mitigation Program
Board Approval: September 1992

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	1,250,000	909,146	358	909,504	340,496
Design	20,000	2,482,985	24	2,483,009	-2,463,009
Construction	2,630,000	1,113	90	1,202	2,628,798
Post-Construction	100,000	31,901	1,241	33,142	66,858
Totals	4,000,000	3,425,145	1,712	3,426,857	573,143

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete draft Natural Communities Conservation Program/ Habitat Conservation Plan, CEQA/NEPA environmental documentation, and release for public review.	* Change in project scope will result in modification of NCCP/HCP document and will delay release of EIR.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0034
Project Name: Moreno-Lakeside Pipeline
Board Approval: August 1996

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	782	906,864	5,845	912,709	-911,927
Design	5,823,940	1,749,163	1,157,769	2,906,933	2,917,007
Construction	20,318,773	33,362	808,833	842,195	19,476,578
Post-Construction	0	0	0	0	0
Totals	26,143,495	2,689,390	1,972,448	4,661,838	21,481,657

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete final design.	* Completed final design.
* Advertise project for bid.	* Advertisement for construction bids is anticipated in October 2001.
* Award construction contract.	* Construction award of the pipeline is anticipated at the January 2002 Board meeting.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0032
Project Name: Moreno-Lakeside Pipeline - FCF
Board Approval: April 1997

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	54,998	916	976	1,892	53,106
Design	494,960	136,629	155,356	291,985	202,975
Construction	2,410,842	0	700	700	2,410,142
Post-Construction	0	12	0	12	-12
Totals	2,960,800	137,557	157,032	294,589	2,666,211

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete final design.	* Completed final design.
* Advertise construction contract for bid.	* Advertisement for construction bids is anticipated in late October 2001.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0241
Project Name: Olivenhain 6 & 7 FCF
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	854	0	854	-854
Design	250,000	16,353	25,042	41,395	208,605
Construction	600,000	130	0	131	599,869
Post-Construction	0	0	0	0	0
Totals	850,000	17,337	25,042	42,379	807,621

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete final design.	* This project incurred a nine month delay in obtaining system hydraulics information.
* Advertise for a construction contract.	* The revised date to advertise for a construction contract is October 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0251
Project Name: Olivenhain 8 FCF
Board Approval: September 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	273	0	273	-273
Design	550,000	5,978	285,018	290,996	259,004
Construction	1,900,000	458	18,140	18,598	1,881,402
Post-Construction	50,000	0	0	0	50,000
Totals	2,500,000	6,710	303,158	309,867	2,190,133

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete preliminary design.	* Completed preliminary design.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: D1001
Project Name: Pipelines 3 & 4 Conversion-Diversion Structure to Miramar
Board Approval: March 1997

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	1,400	1,374	1,577	2,952	-1,552
Design	194,000	355,699	39,125	394,824	-200,824
Construction	2,063,500	1,033,551	606,399	1,639,949	423,551
Post-Construction	0	0	0	0	0
Totals	2,258,900	1,390,623	647,101	2,037,725	221,176

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete construction of Vallecitos 7 FCF Connection to Pipeline 4.	* Completed construction of Vallecitos 7 FCF Connection to Pipeline 4.
* Complete construction of Olivenhain 2 FCF Connection to Pipeline 4.	* Completed construction of Olivenhain 2 FCF Connection to Pipeline 4.
* Complete construction of San Dieguito/Santa Fe 3 FCF Connection to Pipeline 4.	* Completed construction of San Dieguito/Santa Fe 3 FCF Connection to Pipeline 4.
* Complete construction of Vista Irrigation District 3 FCF Connection to Pipeline 4.	* Construction of Vista Irrigation District 3 FCF Connection to Pipeline 4 is 80 percent complete.
* Complete construction of Ramona Pipeline Connection to Pipeline 4.	* Construction of Ramona Pipeline Connection to Pipeline 4 was delayed until the winter 2001/2002 shutdown.
* Complete construction of Olivenhain 3 FCF Turnout Connection to Pipeline 4.	* Construction of Olivenhain 3 FCF Turnout Connection to Pipeline 4 was delayed until the winter 2001/2002 shutdown.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: C0301
Project Name: Pipeline 3 Transfer to City of San Diego
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	397	9,336	9,733	-9,733
Design	90,000	915	386	1,300	88,700
Construction	175,000	2,737	2,590	5,327	169,673
Post-Construction	0	0	0	0	0
Totals	265,000	4,049	12,312	16,361	248,639

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Continue meeting with City staff.	* Continued meeting with City staff.
* Complete agreement.	* Plan to complete in FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

**Project No: F0101
Project Name: Pipeline 6
Board Approval: August 1989**

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	1,550,000	1,545,898	63	1,545,961	4,039
Design	15,750,000	1,476,922	1,340	1,478,263	14,271,737
Construction	104,600,000	283	0	283	104,599,717
Post-Construction	0	1,512	0	1,512	-1,512
Totals	121,900,000	3,024,615	1,403	3,026,019	118,873,981

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Continue coordination with MWD.	* Continued coordination with MWD.
* Re-evaluate project completion date and make a recommendation to the Board.	* A revised completion date has not yet been recommended.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0231
Project Name: Pipeline Drainage Program
Board Approval: May 1995

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	90,000	185	0	185	89,815
Construction	5,000	185	0	185	4,815
Post-Construction	5,000	871	0	871	4,129
Totals	100,000	1,241	0	1,241	98,759

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. Design of this project is scheduled to begin FY 2003.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: H0500
Project Name: Post-Construction Mitigation Monitoring Program
Board Approval: June 2000

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	0	385	385	-385
Design	0	0	0	0	0
Construction	0	0	63	63	-63
Post-Construction	1,206,100	0	98,036	98,036	1,108,064
Totals	1,206,100	0	98,484	98,484	1,107,616

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Continue to meet existing CIP project mitigation requirements within permit timelines.	* Continued mitigation monitoring of various CIP projects.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0121
Project Name: Ramona Reservoir Bypass
Board Approval: July 1990

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	10,000	7,817	0	7,817	2,183
Design	140,000	44,089	0	44,089	95,911
Construction	250,000	1,714	0	1,714	248,286
Post-Construction	0	0	0	0	0
Totals	400,000	53,620	0	53,620	346,380

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. Design of this project is scheduled to begin FY 2003.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: E0203
Project Name: Rancho Penasquitos Pipeline – Pressure Control Facility
Board Approval: August 1989

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	100,000	10,615	34,089	44,704	55,296
Design	650,000	113,646	415,957	529,604	120,396
Construction	4,624,000	639	1,456	2,095	4,621,905
Post-Construction	0	0	0	0	0
Totals	5,374,000	124,899	451,503	576,402	4,797,598

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Begin project design.	* Design of the Del Dios Valve Vault and Temporary Pressure Control Facility has been completed.
* Initiate land acquisition.	* Land acquisition have been placed on hold pending site alternative analysis.
* Select design consultant.	* A designer for the permanent facility will be selected in FY 2002.
* Complete preliminary design.	* Preliminary design will be completed in FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: I0200
Project Name: Regional Colorado River Conveyance Feasibility Study
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	6,000,000	564,176	2,479,032	3,043,207	2,956,793
Design	0	73,316	5,411	78,727	-78,727
Construction	0	117	129	246	-246
Post-Construction	0	0	14	14	-14
Totals	6,000,000	637,609	2,484,586	3,122,195	2,877,805

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete geologic field program.	* Completed geologic field program for U.S. alignments.
* Complete cost refinement for United States alignments.	* Completed cost refinement for U.S. alignments.
* Begin study of Mexico alignments.	* Initiated study of Mexico alignments.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: H0101
Project Name: Regional Water Facilities Master Plan
Board Approval: June 1997

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	1,796,953	1,200,180	545,038	1,745,218	51,735
Design	3,047	3,171	666	3,837	-790
Construction	0	0	333	333	-333
Post-Construction	0	0	0	0	0
Totals	1,800,000	1,203,350	546,038	1,749,388	50,612

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Determine probability of meeting future demands through 2030.	* Determined probability of meeting future demands through 2030.
* Complete draft report.	* Completion of draft report delayed due to other priority projects.
* Conduct workshops with Board and member agencies concerning preliminary results.	* Workshops delayed due to need for Board and member agencies to focus on other issues.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: R0200
Project Name: Replacement/Relining of Existing Prestressed Concrete
 Cylinder Pipelines
Board Approval: June 1993

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	300,000	855	14,386	15,241	284,759
Design	6,450,000	458,570	34,856	493,426	5,956,574
Construction	71,920,000	2,874,033	2,645,716	5,519,749	66,400,251
Post-Construction	100,000	4,621	700	5,322	94,678
Totals	78,770,000	3,338,079	2,695,659	6,033,738	72,736,262

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Begin design of rehabilitation of PCCP in areas recommended by the APP.	* Recommendations were completed and design will begin in January 2002.
* Award contract and complete construction of steel relining of Pipeline 3 in Rancho Penasquitos.	* Construction was completed in January 2001.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: P0201
Project Name: Right of Way Access Improvements
Board Approval: June 1997

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	1,057	3,216	4,273	-4,273
Design	650,000	15,742	5,975	21,717	628,283
Construction	0	2,717	0	2,717	-2,717
Post-Construction	0	44,015	663	44,677	-44,677
Totals	650,000	63,530	9,854	73,384	576,616

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete five new access improvement cases.	* Deferred to FY 2002.
* Identify six new cases.	* Deferred to FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0181
Project Name: San Diego 17 Pump Station
Board Approval: May 1994

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	50,000	3,677	2,235	5,912	44,088
Design	50,000	2,068	9,004	11,072	38,928
Construction	0	0	0	0	0
Post-Construction	0	0	0	0	0
Totals	100,000	5,745	11,238	16,984	83,016

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Coordinate and review design with City of San Diego.	* Coordination with the City of San Diego continued up to the 50% design level in FY 2001.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0171
Project Name: SR 125 Second Aqueduct Relocation
Board Approval: June 1995

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	20,000	1,821	309	2,130	17,870
Design	71,000	8,879	38	8,917	62,083
Construction	109,000	409	0	409	108,591
Post-Construction	0	0	0	0	0
Totals	200,000	11,110	347	11,457	188,543

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Monitor progress by CTV.	* Continued to monitor progress of the Toll Road developer, CTV.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: L0000
Project Name: System Modifications
Board Approval: July 1991

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	63,000	751,284	587	751,871	-688,871
Design	687,000	1,730,249	54,894	1,785,143	-1,098,143
Construction	9,510,000	2,877,886	296,292	3,174,178	6,335,822
Post-Construction	0	323,562	0	323,562	-323,562
Totals	10,260,000	5,682,981	351,774	6,034,755	4,225,245

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Construct modifications to two AR/AV structures on Pipeline 4 in Jackson Drive.	* Construction of modifications to two AR/AV structures on Pipeline 4 in Jackson Drive was delayed until FY 2002.
* Design corrosion protection rectifier upgrade.	* Design corrosion protection rectifier upgrade was included in the Aqueduct Protection Program project.
* Design right of way access road off Del Dios Highway.	* Design of a right of way access road off Del Dios Highway was canceled.
* Install new meter at Vallecitos 7 FCF.	* Completed installation of a new meter at Vallecitos 7 FCF.
* Construct right of way access road off Del Dios Highway.	* Construction of a right of way access road off Del Dios Highway was canceled.
* Install electrical upgrades at 28 FCFs.	* Completed installation of electrical upgrades at 28 FCFs.
* Relocate utilities to underground service at six FCFs.	* Relocated utilities to underground service at six FCFs.
* Install new level indicator meters at weir structures.	* Level indicator meters purchased.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0301
Project Name: Terminal Structure Modifications
Board Approval: June 1997

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	20,000	6,625	100	6,725	13,275
Design	100,000	42,022	43,899	85,921	14,079
Construction	920,000	2,268	5,096	7,364	912,636
Post-Construction	10,000	0	0	0	10,000
Totals	1,050,000	50,914	49,096	100,010	949,990

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete preliminary design.	* Preliminary design completed.
* Complete final design.	* Final design is scheduled to be completed in early FY 2002.
* Begin construction.	* Construction will begin in FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: E0202
Project Name: Twin Oaks Valley Diversion Structure
Board Approval: August 1989

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	50,000	14,696	0	14,696	35,304
Design	2,550,000	1,754,720	1,226	1,755,947	794,053
Construction	16,020,000	10,102,611	4,820,830	14,923,442	1,096,558
Post-Construction	0	52,945	646	53,591	-53,591
Totals	18,620,000	11,924,973	4,822,702	16,747,676	1,872,324

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete construction.	* Construction completion revised to November 2001 due to project changes and inclement weather delays.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: W0101
Project Name: ULFT Incentive Program
Board Approval: June 1995

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	2,400,000	2,091,279	0	2,091,279	308,721
Design	0	0	0	0	0
Construction	3,900,000	1,653,691	405,275	2,058,966	1,841,034
Post-Construction	0	0	0	0	0
Totals	6,300,000	3,744,969	405,275	4,150,245	2,149,755

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Provide for the replacement of 18,700 ULFTs through the residential ULFT Voucher Program.	* Nearly 15,500 toilets were retrofitted through the residential ULFT Voucher Program.
* Provide rebates for installation of 15,400 ULFTs through the City's ULFT Rebate Program.	* Over 10,100 toilets were retrofitted through the City of San Diego's ULFT Rebate Program.
* Distribute 8,000 ULFTs through the CBO ULFT Distribution Program.	* The CBO ULFT Distribution Program was discontinued.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0111
Project Name: Vallecitos 9 FCF
Board Approval: May 1993

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	35,000	30,042	13,088	43,130	-8,130
Design	840,000	191,518	160,328	351,846	488,154
Construction	1,208,800	0	0	0	1,208,800
Post-Construction	0	0	0	0	0
Totals	2,083,800	221,560	173,416	394,976	1,688,824

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete environmental documentation.	* Environmental documentation was completed.
* Complete final design.	* Final design is 50 percent complete.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0261
Project Name: Vallecitos 10 FCF
Board Approval: December 1999

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	2,000	0	0	0	2,000
Design	60,000	7,533	17,187	24,720	35,280
Construction	314,800	8,083	3,246	11,328	303,472
Post-Construction	0	0	1	1	-1
Totals	376,800	15,616	20,434	36,049	340,751

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete construction.	* Construction will be completed in FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0161
Project Name: Valley Center 8 FCF
Board Approval: May 1994

Expenditure Summary

Project Phase	Budget	Expenditures Thru 6/30/2000	Expenditures FY 2001	Total LTD Expenditures	Remaining Budget
Planning	0	4,551	0	4,551	-4,551
Design	100,540	149,638	22,224	171,862	-71,322
Construction	279,460	36,011	36,544	72,555	206,905
Post-Construction	0	0	0	0	0
Totals	380,000	190,201	58,768	248,969	131,031

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete construction.	* Due to the elimination of the chlorine facility from the scope of work, construction of the Valley Center 8 Flow Control Facility was delayed and will occur in FY 2002.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0011
Project Name: Aqueduct Control System
Board Approval: December 1990

Expenditure Summary

Project Phase	Budget	Expenditures Through 6/30/01	Expenditures Through 6/30/01	Expenditures Through 6/30/01	Remaining Budget
Planning	120,000	118,326	118,326	118,326	1,674
Design	608,000	549,909	549,909	549,909	58,091
Construction	3,864,755	3,864,755	3,864,755	3,864,755	-122,755
Post-Construction	71,568	71,568	71,568	71,568	28,432
Total	4,604,558	4,604,558	20,282	4,604,558	-34,558

COMPLETED

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. This project completed.	* Remaining expenditures posted in FY 2001.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: P0301
Project Name: Aqueduct Security Improvement Project
Board Approval: June 1997

Expenditure Summary

Project Phase	Budget	Expenditures Through 6/30/01	Expenditures FY 2001	Total Expenditures	Remaining Budget
Planning	0	0	18	19	-19
Design	0	0	39	1,839	-1,839
Construction	1,000	7,977	523,988	523,965	7,035
Post-Construction	1,000	0	0	0	1,000
Totals	32,000	7,977	517,845	525,822	6,178

COMPLETED

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Initiate the installation of monitoring devices and door locks.	* This project completed June 2001.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: N0311
Project Name: Escondido Facility Soils Remediation
Board Approval: June 1996

Expenditure Summary

Project Phase	Budget	Expenditures 6/30/00	Expenditures 2001	Total Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	12,053	0	12,053	12,053	-12,053
Construction	234,954	46	46	46	234,954
Post-Construction	0	0	0	0	0
Total	247,007	46	12,099	12,099	222,901

CANCELLED

FY 2001 Milestones	Status of FY 2001 Milestone Objectives
* Award construction.	In November 2000, construction bids were received and reviewed for the re-installation of the on-site fueling system and off-site improvements. All bids received were well over the Engineer's Cost estimate and were rejected.
* Complete project.	It was staff's recommendation that this project be cancelled.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: G0900
Project Name: ESP - Pipeline 5 Pump Station
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures Through 6/30/2000	Expenditures FY 2001	Expenditures Total LTD	Remaining Budget
Planning	0	0	212	212	-212
Design	1,395,000	41,700	500,119	541,881	853,119
Construction	26,505,000	0	0	0	26,505,000
Post-Construction	100,000	0	0	0	100,000
Totals	28,000,000	41,700	500,354	542,094	27,457,906

CANCELLED

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Integrate preliminary plans at Pressure Control Facility with concept for Pipeline 5 Pump Station.	* The project was coordinated with the planning for Rancho Penasquitos Pressure Control Facility.
* Start land acquisition.	* Land acquisition did not occur.
* Select design consultant.	* Design consultant was not selected.
* Complete preliminary design.	* Project was cancelled prior to start of design.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: P0401
Project Name: Line Structure Sealing Project
Board Approval: June 1997

Expenditure Summary

Project Phase	Budget	Expenditures Through 6/30/2001	Expenditures FY 2001	Total LTDF Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	0	0	63	63	-63
Construction	143,000	142,937	0	142,937	8
Post-Construction	0	0	0	0	0
Totals	143,000	142,937	0	143,055	-55

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Outsource sealing of structures to contractor.	The sealing method used by Authority staff proved to be extremely labor intensive and did not significantly reduce the amount of groundwater intrusion into the structures. In addition, several of the structures required significant re-work resulting in further expense and expended labor hours.
* Complete sealing of 30 structures.	Due to these unsatisfactory results, it was staff's recommendation to discontinue this project until an effective, long-term solution could be identified.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: H0402
Project Name: New Office Facility
Board Approval: June 1998

Expenditure Summary

Project Phase	Budget	Expenditures	Expenditures	Expenditures	Remaining Budget
Planning		104,883		104,883	-104,883
Design	7,000,000	3,917,534		3,917,534	3,082,466
Construction	10,000,000	11,910,327	11,910,327	11,910,327	-2,910,327
Post-Construction		1,762		1,762	-1,762
Total	17,000,000	15,934,506	15,934,506	15,934,506	65,494

COMPLETED

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Retain a vendor to provide systems furniture.	* Vendor was retained and provided systems furniture.
* Retain a vendor to provide filing systems.	* Vendor was retained and provided filing systems.
* Complete construction.	* Construction has been completed.
* Complete move-in activities.	* Move-in activities have been successfully completed.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0171
Project Name: San Diego 18/21 FCF
Board Approval: May 1994

Expenditure Summary

Project Phase	Budget	Expenditures Through 6/30/01	Expenditures Through 6/30/01	Total Expenditures	Remaining Budget
Planning	40,000	23,584	23,584	23,584	16,416
Design	727,000	325,136	325,136	325,136	325,136
Construction	1,691,979	1,691,979	1,691,979	1,691,979	-62,079
Post-Construction	0	1,123	1,123	1,123	-1,123
Totals	2,458,979	2,118,550	2,118,550	2,118,550	278,350

COMPLETED

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete construction of the facility.	* Construction of the facility was completed.
* Begin 2-year warranty period.	* Post-construction monitoring has begun.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: P0501
Project Name: Sonic Flow Meter Replacement Project
Board Approval: June 1997

Expenditure Summary

Project Phase	Budget	Expenditures	Expenditures	Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	14,736	14,736	0	14,736	-706
Construction	640,684	630,000	37,625	640,684	10,286
Post-Construction	0	3,899	0	3,899	-3,899
Total	659,319	621,694	37,625	659,319	5,681

COMPLETED

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. This project is complete.	

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: B0104
Project Name: Valley Center Pump Station
Board Approval: August 1989

Expenditure Summary

Project Phase	Budget	Expenditures Through 6/30/01	Expenditures Through 12/31/01	Total LTD Expenditures	Remaining Budget
Planning	0	0	0	2,017	-2,017
Design	600,000	599,955	600,023	600,045	-45
Construction	2,153,000	2,153,840	2,153,213	2,153,062	31,938
Post-Construction	0	1,100	972	2,081	-2,081
Total	2,753,000	2,754,995	2,754,208	2,757,205	27,795

COMPLETED

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* Complete construction	* Construction was completed at the close of FY 2001.

**SAN DIEGO COUNTY WATER AUTHORITY
CAPITAL IMPROVEMENT PROGRAM
FY 2001**

Project No: M0231
Project Name: Valve / Actuator Procurement
Board Approval: June 1996

Expenditure Summary

Project Phase	Budget	Expenditures Through 6/30/01	Expenditure Through 6/30/01	Total Expenditures	Remaining Budget
Planning	0	0	0	0	0
Design	32,400	2,016	2,016	2,016	30,384
Construction	876,000	684,818	214,164	898,982	-29,366
Post-Construction	0	0	0	0	0
Total	908,400	684,818	214,164	898,982	1,018

COMPLETED

FY 2001 Milestone Objectives	Status of FY 2001 Milestone Objectives
* None. This project is complete.	