

- Report on Updates to the Capital Investment Plan

Summary

The projected expenditures on the Capital Investment Plan over the 6-year period from Fiscal Year (FY) 2006/07 through FY 2011/12 are \$2.592 billion. Concern over safety at crowded construction sites, higher than anticipated construction contract bids, and challenging coordination with system operations, has prompted staff to make adjustments to the current plan. The following detailed report describes the process and criteria used to adjust the schedules for several capital programs.

Attachments

Summary of Adjusted Capital Projects

Detailed Report

Current Status

Expenditures on Metropolitan's Capital Investment Plan (CIP) are currently projected to exceed \$500 million over each of the next three fiscal years, representing the third largest peak in Metropolitan's history. Historically, Metropolitan's annual capital expenditures have peaked primarily as a result of major expansions to its conveyance, distribution, and treatment facilities. The last major peak occurred in FY 1998/99 during the construction of Diamond Valley Lake, when annual expenditures exceeded \$600 million. At that time, as during previous peak periods, very little of the work involved rehabilitation, replacement, or upgrade work on existing facilities.

Over the next three years, the CIP will differ significantly from past efforts. First, over 30 percent of the projected expenditures, or nearly \$500 million total, are for infrastructure rehabilitation projects. These rehabilitation and replacement (R & R) projects are challenging and must be coordinated around operational shutdown windows, thereby limiting the amount of work that can be completed each year. Further complicating the effort is that much of the work is located at Metropolitan's treatment plants, which often operate at high capacity. For example, ongoing construction at the Robert A. Skinner Water Treatment Plant, valued at nearly \$380 million, has posed major challenges to operating the plant efficiently and smoothly. In addition, several hundred million more dollars of new construction is planned over the next six years for projects such as the Weymouth and Diemer ozonation facilities; the Perris Valley Pipeline; the Mills Capacity Upgrade; rehabilitation and structural upgrades at the Diemer and Weymouth plants (Metropolitan's two oldest treatment plants) and on the Colorado River Aqueduct; and recreation facilities at Diamond Valley Lake. Constructing such a large amount of work over a relatively short period of time can result in limited competition among qualified bidders, particularly with all of the other construction planned and underway in Southern California. This situation can result in bids for Metropolitan contracts that are higher than budgeted.

Capital Project Adjustments

In January 2006, staff presented several proposed capital project schedule adjustments to the Engineering & Capital Programs Committee. The primary goal of the adjustments is to reduce the challenges and risks associated with the size and complexity of Metropolitan's CIP. These challenges and risks include: (1) Increased construction costs due to tight schedules and limited bidding competition; (2) Safety risks due to multiple large and complex construction projects throughout operating treatment plants; and (3) The risk of unplanned disruptions to plant operations.

Over the next six years, the value of committed funds (including contracts already awarded), currently appropriated funds and authorized work, and other critical planned expenditures for the Oxidation Retrofit Program, Perris Valley Pipeline, and Mills Capacity upgrade, total \$1.96 billion. In FY 2006/07, funds have already been committed to approximately 250 projects, with activities planned on about 150 more. Additionally,

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staff has historically identified 80 to 120 new R & R projects each year, for which a \$95 million placeholder is currently budgeted and spread over four-year durations.

In order to mitigate the risks identified above, staff has evaluated the schedules and budgets for every existing project in Metropolitan's CIP, and has reviewed historical expenditures and trends on R & R, Stewardship, Information Technology, Water Quality, and Supply and Delivery Reliability projects. Based on this analysis, staff has proposed schedule and/or cash flow adjustments to over 100 projects as well as the placeholder budget for future R & R projects. The proposed adjustments, which are listed in [Attachment 1](#), have been identified so as to have no impact on Metropolitan's reliability, safety, or regulatory compliance goals. It should be noted that some of the adjustments actually represent increases in project cost estimates, based on updated cost estimates and recent contract award amounts. In summary, the adjustments are as follows:

| <u>CIP Project Category</u> | | <u>6-Year Reduction</u> |
|------------------------------------|---|-------------------------|
| Infrastructure Reliability (R & R) | - | \$ 348 million |
| Stewardship | - | \$ 42 million |
| Information Technology | - | \$ 19 million |
| Water Quality | - | \$ 7 million |
| Supply & Delivery Reliability | - | <u>\$ 77 million</u> |
| Total Reductions | - | \$ 493 million |

Total reductions over the six-year window from FY 2006/07 through FY 2010/11 amount to \$493 million, or about 20 percent of the total six-year projection, bringing the new proposed expenditures over the next six years to \$2.099 billion. In addition, the \$95 million placeholder budget for future R & R projects has been increased to \$105 million, but is now spread over eight years instead of four, thereby pushing about \$124 million out of the six-year window.

The internal process for evaluating all existing and proposed capital projects for FY 2007/08 is nearly complete. When finished, a number of new projects and updated cost estimates will need to be incorporated into Metropolitan's CIP and projected cash flow. It is possible, therefore, that more adjustments may be necessary, or the cash flow projections may increase once all of the evaluations are complete. Finally, all of the projects listed in [Attachment 1](#) will similarly be reconsidered for earlier implementation during subsequent annual capital project evaluation cycles.

| Program Title | Project | Proposed 6-Year Forecast (\$1,000's) | Adjustment (\$1,000's) | Remarks |
|---|--|--------------------------------------|------------------------|--|
| Infrastructure Reliability (R & R) | | | | |
| Future System Reliability Projects FY 2007/08 - FY 2011/12 | Various | 279,293.2 | -124,160.5 | Increased total placeholder budgets to \$105M for new R&R projects per year spread over 8 years |
| Assess the Condition of Metropolitan's Prestressed Concrete Cylinder Pipe | Prestressed Concrete Cylinder Pipe Assessment - Phase 2 | 1,500.0 | -2,820.2 | Revised cash flow based on updated plan |
| Cabazon Radial Gate Facility Improvements | Cabazon Radial Gate Facility Improvements | 100.0 | -1,539.9 | Revised cash flow pending completion of EIR and study |
| Capital Program for Projects Costing less than \$250,000 for FY2004/05 | (Completed) Gene & Iron Pools | 0 | -61.5 | Project completed in 05/06 |
| Capital Program for Projects Costing less than \$250,000 for FY2004/05 | Diemer Sulfuric Acid Unloading Area Cover Improvements | 0 | -92.5 | Project cancelled. Already incorporated as part of Diemer Chemical System Upgrades |
| Capital Program for Projects costing less than \$250,000 for FY2005/06 | (Closed) Diemer FWR Crack Mitigation | 0 | -1.9 | Project completed in 05/06 |
| Capital Program for Projects costing less than \$250,000 for FY2005/06 | Sepulveda Tanks Cathodic Protection | 0 | -28.2 | Project completed in 05/06 |
| Capital Program for Projects Costing Less than \$250,000 for FY2006/07 | Crane Installation At OC-88 Pump Plant | 0 | -113.5 | Project deferred pending verification of need |
| Capital Program for Projects Costing Less than \$250,000 for FY2006/07 | Loading Ramps At Skinner Plant And PC-1 | 0 | -78.8 | Project deferred pending verification of need |
| Capital Program for Projects Costing Less than \$250,000 for FY2006/07 | Skinner Wwrp #2 Influent Valve & Actuator Upgrade | 0 | -211.8 | Project deferred pending completion of other work at Skinner |
| Conveyance and Distribution System - Rehabilitation Program | (Closed) Calabasas Feeder Carbon Fiber /Broken Back Repair | 0 | -60.8 | Project completed in 05/06 |
| Conveyance and Distribution System - Rehabilitation Program | (Closed) Eagle Rock Lateral Interconnection Repair | 0 | -2.9 | Project completed in 05/06 |
| Conveyance and Distribution System - Rehabilitation Program | (Closed) Rialto Feeder Broken Back Repair | 0 | -4.5 | Project completed in 05/06 |
| Conveyance and Distribution System - Rehabilitation Program | Eagle Rock Tower Slidegate Rehabilitation | 1,729.7 | 1,461.6 | Revised cash flow based on completion of design and updated estimate |
| Conveyance and Distribution System - Rehabilitation Program | Permanent Leak Detection/Pipeline Monitoring System | 0 | -71.9 | Study effort will continue as an O&M effort |
| Conveyance and Distribution System - Rehabilitation Program | San Diego Canal Seepage Study | 0 | -168.1 | Project completed in 05/06 |
| Conveyance and Distribution System - Rehabilitation Program | West Valley Feeder No. 1 Valve Structure Modifications | 0 | -1,272.2 | Project completed in 05/06 |
| Conveyance and Distribution System Facilities - Rehabilitation Program Phase II | AMP - Right Of Way | 0 | -3,158.6 | Identification of property line conflicts will continue as an O&M effort. Eventual recommendations for rectifying problems will be funded under the capital program as necessary |
| Conveyance and Distribution System Facilities - Rehabilitation Program Phase II | Auld Valley Control Structure Area Facilities Upgrade Study | 0 | -85.2 | Study to improve access and drainage can be deferred pending completion of other work in the area |
| Conveyance and Distribution System Facilities - Rehabilitation Program Phase II | Distribution System Reliability Program, Phase 2 | 0 | -2,766.4 | Specific projects have not yet been identified |
| Conveyance and Distribution System Facilities - Rehabilitation Program Phase II | Maintenance & Storage Shop At PC-1 | 0 | -621.9 | Project deferred pending completion of overall Site Needs Assessment Study |
| Conveyance and Distribution System Facilities - Rehabilitation Program Phase II | Seismic Upgrade Of 11 Facilities Of The Conveyance & Distribution System | 0 | -473.8 | Critical structures have all been upgraded. Completion of remaining 11 can be deferred |

| Program Title | Project | Proposed 6-Year Forecast (\$1,000's) | Adjustment (\$1,000's) | Remarks |
|---|--|--------------------------------------|------------------------|--|
| Conveyance and Distribution System Facilities - Rehabilitation Program Phase II | Skinner Helipad Upgrade | 0 | -197.2 | Rescheduled pending completion of other work at Skinner |
| CRA - Conveyance Reliability Program | Copper Basin And Gene Dam Outlet Works Rehabilitation (study & Design) | 10,046.3 | 9,771.0 | Revised cash flow based on completion of study and updated estimate |
| CRA - Conveyance Reliability Program | Copper Basin Outlet Gates Reliability | 6,059.7 | 5,623.5 | Revised cash flow based on completion of study and updated estimate |
| CRA - Conveyance Reliability Program | Cra - Investigation Of Siphons And Reservoir Outlets | 286.0 | -520.7 | Revised cash flow based on completion of study and updated estimate |
| CRA - Conveyance Reliability Program | CRA Cut & Cover Fornat Wash Exposure Study | 0 | -92.6 | Periodic exposure of CRA due to erosion will continue to be addressed as needed under O&M |
| CRA - Conveyance Reliability Program | Eagle Mountain Siphons Seismic Vulnerability Study | 0 | -118.4 | Siphon integrity will continue to be monitored during inspections. Any necessary upgrades or repairs will be performed as needed |
| CRA - Electrical/Power Systems Reliability Program | 230 Kv System Synchronizers | 0 | -439.1 | Staff has identified other methods to avoid power interruptions due to surges |
| CRA - Electrical/Power Systems Reliability Program | Switchyards And Head Gates Rehab | 0 | -21.6 | Project completed in 05/06 |
| CRA - Pumping Plant Reliability Program | Control System Drawing Upgrade Study (phase 1) - Study | 0 | -681.8 | Update of control system drawings on hold pending completion of documentation of procedures |
| CRA - Pumping Plant Reliability Program | CRA Main Pump Study | 0 | -400.2 | Project deferred pending completion of instrumentation upgrades at Intake |
| CRA - Pumping Plant Reliability Program | Desert Roadway Improvement | 0 | -49.6 | Regular regrading and repairs to roads can continue as needed under O&M |
| CRA - Pumping Plant Reliability Program | Pumping Plant Instrumentation Replacement & Automation (4 Plants) | 0 | -16,000.0 | Project deferred pending completion of instrumentation upgrades at Intake |
| CRA - Reliability Program | Discharge Valve Lubricators | 0 | -448.9 | Project on hold pending completion of other critical CRA Rehab work |
| Diemer Water Treatment Plant - Improvements Program | Diemer Reclamation Plant No. 3 | 0 | -48,000.0 | Project deferred pending completion of other work at Diemer |
| Diemer Water Treatment Plant - Improvements Program | Replace Alum Storage Tanks | 0 | -9.7 | Project deferred pending completion of other work at Diemer |
| Diemer Water Treatment Plant - Improvements Program | Second Entrance Road Of Diemer Plant | 13,325.0 | -1,548.9 | Revised cash flow based on completion of study and updated estimate |
| Diemer Water Treatment Plant - Improvements Program Phase II | Basin Rehabilitation | 0 | -11,637.6 | Project deferred pending completion of other work at Diemer |
| Diemer Water Treatment Plant - Improvements Program Phase II | Public Address System Expansion And Upgrade | 0 | -1,440.6 | Project deferred pending completion of other work at Diemer |
| Diemer Water Treatment Plant - Solids Handling and Water Reclamation | Addition Of Thickeners | 0 | -1,562.8 | Project deferred pending completion of other work at Diemer |
| Diemer Water Treatment Plant - Solids Handling and Water Reclamation | Sludge Transfer Modifications | 0 | -1,001.1 | Project deferred pending completion of other work at Diemer |
| Information Technology System - Infrastructure | Video Conference System Upgrade | 250.0 | -1,021.1 | Revised cash flow based on revised plan to only implement upgrades at 3 locations initially |
| Jensen Water Treatment Plant - Improvements Program | Bull Creek Flood Channel Repair | 0 | -837.5 | Project deferred pending completion of other work at Jensen |
| Jensen Water Treatment Plant - Improvements Program | Sample Pumps Automation | 0 | -147.4 | Project deferred pending completion of other work at Jensen |
| Jensen Water Treatment Plant - Improvements Program | Solids Handling Facilities - Final Design & Construction | 0 | -33,317.9 | Project deferred pending completion of other work at Jensen |
| Jensen Water Treatment Plant - Improvements Program | Solids Removal Automation | 0 | -2,086.2 | Project deferred pending completion of other work at Jensen |
| Jensen Water Treatment Plant - Improvements Program Phase II | Filter Influent Conduit Sludge Accumulation Improvement | 0 | -1,949.0 | Project deferred pending completion of other work at Jensen |
| Live Oak Reservoir Surface Repair | Live Oak Reservoir Surface Repair | 0 | -950.0 | Project on hold pending results and recommendations of periodic inspections |
| Mills Water Treatment Plant - Improvements Program | (Complete) Mod. 2 Rehabilitation | 0 | -158.7 | Project completed in 05/06 |
| Mills Water Treatment Plant - Improvements Program | Potable Water Pump Station Seal Water Drainage System | 0 | -86.5 | Project deferred pending completion of other work at Mills |

| Program Title | Project | Proposed 6-Year Forecast (\$1,000's) | Adjustment (\$1,000's) | Remarks |
|--|--|--------------------------------------|------------------------|---|
| Mills Water Treatment Plant - Improvements Program | Sample Pump Automation | 0 | -163.3 | Project deferred pending completion of other work at Mills |
| Mills Water Treatment Plant - Improvements Program Phase II | Administration Building Office & Laboratory Extension | 0 | -7,156.1 | Project deferred pending completion of other work at Mills |
| Mills Water Treatment Plant - Improvements Program Phase II | Mills Modules 3 & 4 Tunnel Access Boom Crane | 0 | -396.8 | Project deferred pending verification of need |
| Mills Water Treatment Plant - Improvements Program Phase II | Mills Wtp - Plant Maintenance Center | 0 | -10,612.4 | Project deferred pending completion of other work at Mills |
| Mills Water Treatment Plant - Improvements Program Phase II | Mills Wtp - Vehicle Maintenance Center | 0 | -2,771.7 | Project deferred pending completion of other work at Mills |
| Placentia Railroad Lowering Project | Placentia Railroad Lowering Project | 0 | -8,567.4 | Project cancelled pending notification from ONTRAC that funding is available and plans to lower railroad will move forward |
| Skinner Water Treatment Plant - Improvements Program | (Completed) Rapid Seismic Evaluation Of Administrative Building | 0 | -16.3 | Project completed in 05/06 |
| Skinner Water Treatment Plant - Improvements Program | Maintenance Facility/Vehicle Service Center | 0 | -8,185.8 | Project deferred pending completion of other work at Skinner |
| Skinner Water Treatment Plant - Improvements Program | Renovation Of Existing Administrative Building | 0 | -6,108.8 | Project deferred pending completion of other work at Skinner |
| Skinner Water Treatment Plant - Improvements Program | Sample Pump Automation | 0 | -866.7 | Project deferred pending completion of other work at Skinner |
| Skinner Water Treatment Plant - Improvements Program | Solids Handling Facilities | 0 | -10,898.4 | Project deferred pending completion of other work at Skinner |
| Skinner Water Treatment Plant - Improvements Program | Solids Removal Automation | 0 | -1,990.4 | Project deferred pending completion of other work at Skinner |
| Skinner Water Treatment Plant - Improvements Program Phase II | Washwater Pumpback Improvements | 0 | -405.3 | Project deferred pending completion of other work at Skinner |
| Weymouth Water Treatment Plant - Improvements Program | Basin 1 And 2 Rehabilitation | 0 | -19,361.4 | Project deferred pending completion of other work at Weymouth |
| Weymouth Water Treatment Plant - Improvements Program | La Verne Power System Upgrade | 37,746.4 | 12,466.8 | Revised cash flow based on completion of study and updated estimate |
| Weymouth Water Treatment Plant - Improvements Program | Plant Maintenance Center | 11,975.7 | 6,681.8 | Revised cash flow based on completion of study and updated estimate |
| Weymouth Water Treatment Plant - Improvements Program | Replace Surface Wash Headers In 24 Filter Beds / Bldg. 2 | 0 | -3,173.6 | Project deferred pending completion of other work at Weymouth |
| Weymouth Water Treatment Plant - Improvements Program | Sample Pump Automation | 0 | -652.5 | Project deferred pending completion of other work at Weymouth |
| Weymouth Water Treatment Plant - Improvements Program | Solids Bin Area | 0 | -1,301.5 | Project deferred pending completion of other work at Weymouth |
| Weymouth Water Treatment Plant - Improvements Program | Structural Integrity Project | 0 | -26,000.0 | Project deferred pending completion of other work at Weymouth |
| Weymouth Water Treatment Plant - Improvements Program | Washwater Reclamation Capacity Impr. (wwr) | 2,750.0 | -7,175.9 | Revised cash flow based on completion of study and updated estimate |
| Weymouth Water Treatment Plant - Improvements Program Phase II | Filter Rehabilitation | 0 | -10,276.9 | Project deferred pending completion of other work at Weymouth |
| Weymouth Water Treatment Plant - Improvements Program Phase II | Public Address System Upgrade And Expansion | 0 | -1,742.2 | Project deferred pending completion of other work at Weymouth |
| Information Technology | | | | |
| Control System Enhancement Program | Enhanced Distribution System Control Project | 0 | -143.2 | Rescheduled pending completion of SMART Ops project |
| Control System Enhancement Program | Water Treatment Process Optimization | 0 | -350.5 | Automation project to optimize chemical and power usage. Rescheduled pending completion of oxidation retrofit at all plants |
| Distribution System - Control and Equipment Upgrade Program | Control System Drawing & Documentation Update | 0 | -2,676.9 | Update of control system drawings on hold pending completion of documentation of procedures |
| Distribution System - Control and Equipment Upgrade Program | Valley & Los Angeles Distribution Valve Position Display Upgrade | 0 | -147.9 | Project deferred pending availability of WSO construction crews |
| Information Technology System - Business, Finance & HR | CAD Management Software Replacement | 0 | -1,112.4 | Project deferred pending development of return on investment analysis |

| Program Title | Project | Proposed 6-Year Forecast (\$1,000's) | Adjustment (\$1,000's) | Remarks |
|--|--|--------------------------------------|------------------------|---|
| Information Technology System - Business, Finance & HR | Enterprise GIS Business Process Integration (egis Phase Ii) | 0 | -2,187.7 | Project deferred pending development of return on investment analysis |
| Information Technology System - Business, Finance & HR | Incident Reporting System Replacement | 0 | -883.0 | Project deferred pending development of return on investment analysis |
| Information Technology System - Business, Finance & HR | Integrated Contracting System Implementation | 0 | -606.3 | Project deferred pending development of return on investment analysis |
| Information Technology System - Business, Finance & HR | IT Testing Tools | 0 | -1,104.2 | Project deferred pending development of return on investment analysis |
| Information Technology System - Business, Finance & HR | Water Conservation Application | 0 | -734.8 | Project deferred pending development of return on investment analysis |
| Information Technology System - Enterprise Decision Systems | Enterprise Project/Resource Management System | 0 | -1,398.8 | Project deferred pending development of needs assessment and analysis of available off-the-shelf software |
| Information Technology System - Enterprise Decision Systems | Project Management Information System Replacement | 0 | -2,366.0 | Project deferred pending development of needs assessment and analysis of available off-the-shelf software |
| Water Treatment Plants - Control and Equipment Upgrade Program | Treatment Plant Controls System Drawing Upgrades | 0 | -5,382.3 | Update of controls system drawings on hold pending completion of documentation of procedures |
| Stewardship | | | | |
| Chlorine Containment and Handling Facilities | CUF Chlorine Containment | 0 | -24,014.6 | Project deferred until WSO provides notification of plans to discontinue direct deliveries from vendor |
| Diamond Valley East Recreation Area | DVL To Lake Skinner Trail | 0 | -1,000.0 | Project on hold pending decision on overall recreation plans |
| Diamond Valley East Recreation Area | East Marina Lake Improvements | 0 | -820.9 | Project on hold pending decision on overall recreation plans |
| Diamond Valley East Recreation Area | East Marina Phase 1 & Ramp Extension | 0 | -1,252.3 | Project on hold pending decision on overall recreation plans |
| Diamond Valley East Recreation Area | East Marina Utilities Improvements | 0 | -1,218.5 | Project on hold pending decision on overall recreation plans |
| Diamond Valley East Recreation Area | East Recreation Lake | 0 | -3,152.9 | Project on hold pending decision on overall recreation plans |
| Diamond Valley East Recreation Area | Lakeview Trail | 0 | -372.9 | Project on hold pending decision on overall recreation plans |
| Diamond Valley East Recreation Area | Program Management | 3,000.0 | -100.9 | Revised cash flow based on current rate of expenditure |
| Diamond Valley East Recreation Area | Salt Creek Channel | 0 | -3,000.0 | Project on hold pending decision on overall recreation plans |
| Diamond Valley East Recreation Area | Searl Parkway Improvements - Phase I | 713.2 | -176.3 | Revised cash flow based on pending completion of contract work |
| Diamond Valley East Recreation Area | Valley Wide Site Grading | 0 | -316.7 | Project completed in 05/06 |
| LaVerne Shop Facilities Upgrade | Machine/Fabrication Shop & Equipment & Storage | 0 | -17,000.0 | Project deferred pending completion of other work at Weymouth |
| Supply & Delivery Reliability | | | | |
| Colorado River Banking Program | Chuckwalla Groundwater Storage Project, Feasibility | 0 | -1,013.8 | Project deferred pending available flows from the Colorado River to justify implementation |
| Colorado River Banking Program | Desert / Coachella Water Transfer And Groundwater Storage Program | 0 | -443.3 | Project deferred pending available flows from the Colorado River to justify implementation |
| Hayfield Groundwater Storage Program | Hayfield Groundwater Storage Program | 0 | -18,825.3 | Project deferred pending available flows from the Colorado River to justify implementation |
| Lake Perris Flexible Storage Program | Lake Perris Dissolved Oxygen Enhancement Project - Capital | 862.0 | -1,419.1 | Reduced cash flow based on reimbursement funds from Prop. 13 |
| Lake Perris Flexible Storage Program | Lake Perris Pollution Prevention And Source Water Protection Program - Capital | 385.0 | -1,336.2 | Reduced cash flow based on reimbursement funds from Prop. 13 |
| Local Groundwater Storage Agreements | Unidentified Projects | 0 | -11,275.0 | Reduced cash flow pending execution of contracts, currently unidentified, with member agencies |
| Mills Water Treatment Plant - Capacity Upgrade | Filter Effluent Conduit Modifications | 1,174.1 | -10,274.2 | Revised cash flow pending completion of study |

| Program Title | Project | Proposed 6-Year Forecast (\$1,000's) | Adjustment (\$1,000's) | Remarks |
|---|---|--|---------------------------|--|
| San Diego Pipeline No. 6 | San Diego Pipeline No. 6 - South Reach & Tunnel | 11,860.0 | -6,270.5 | Revised cash flow based on updated estimate |
| Second Lower Cross Feeder | Second Lower Cross Feeder | 0 | -26,821.5 | Project on hold pending identification of more preferable options to deliver alternate supplies to South Orange County |
| Water Quality | | | | |
| Distribution System - Treated Water Cross Connection Prevention Program | Treated Water Cross Connection Prevention - Final Design, Permit Acquisition & Construction | 21,000.0 | -7,586.1 | Revised cash flow based on revised schedule for compliance with Department of Health Services permit requirements |