

PROPOSED

SAN JOSE / SANTA CLARA WATER POLLUTION CONTROL PLANT

700 Los Esteros Road
San Jose, California 95134

2008 – 2009

Operating & Maintenance Budget

Submitted by
John Stufflebean, Director
Environmental Services Department
City of San Jose

TO
Treatment Plant Advisory Committee

Patricia Mahan	(Chairperson)	Mayor, City of Santa Clara
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Curtis Harrison		Boardmember, Cupertino Sanitary District
Bob Livengood		Councilmember, City of Milpitas
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Chuck Reed		Mayor, City of San Jose
Ed Shikada		Deputy City Manager, City of San Jose

**San Jose/Santa Clara Water Pollution Control Plant
Environmental Services Department**

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San Jose/Santa Clara Water Pollution Control Plant
Environmental Services Department

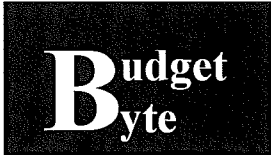
BUDGET SUMMARY

	Adopted 07-08	Proposed 08-09	Change
Treatment Plant Operating Fund Budget	73,516,513	76,606,895	4.2%
ESD Authorized Positions	351.76	354.02	0.6%

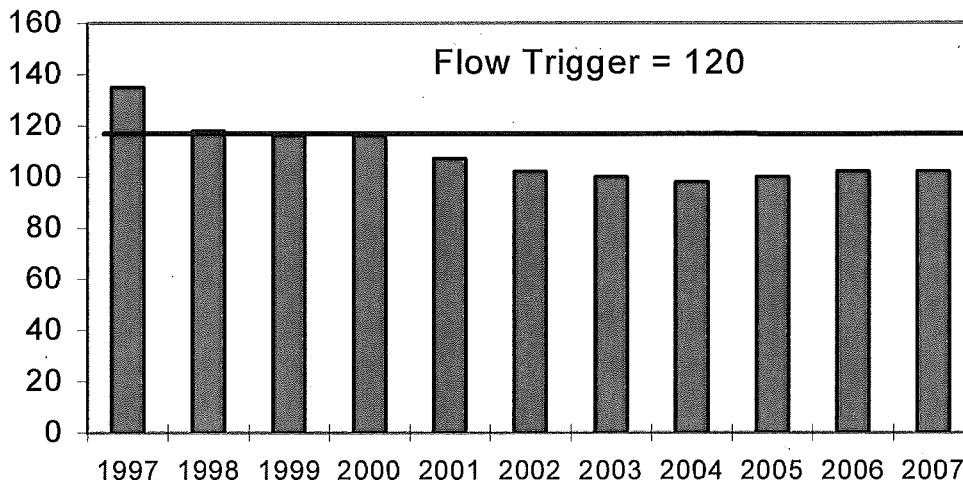
BUDGET HIGHLIGHTS 2008-2009

A rate increase of 15% to San Jose's Sewer Service and Use Charge Fund is proposed in order to adequately fund maintenance and rehabilitation of the sanitary sewer system, Water Pollution Control Plant, and the South Bay Water Recycling program.

A total of 10 additional positions are proposed to address: increased capital projects (4.0), expansion of the FOG program (3.0), additional RSM and pre-treatment staffing (2.0), training and safety (1.0), water conservation (.38)



**10 year History of Average Dry Weather Flow
(in millions of gallons per day)**



San Jose/Santa Clara Water Pollution Control Plant
Environmental Services Department

**TREATMENT PLANT OPERATING FUND
 BUDGET SUMMARY**

Fund Budget Summary	2006-07 Actual Expenses	2007-08 Adopted Budget	2008-09 Forecast Budget	2008-09 Proposed Budget
Operating Expenses				
Personal Services	32,440,961	38,098,325	39,132,686	40,336,080
Non-personal Expenses	24,779,880	26,779,876	26,426,784	26,474,364
Inventory	321,428	400,000	400,000	400,000
Overhead	4,974,067	5,489,317	3,928,896	4,112,675
NCH Debt Service	788,522	710,094	710,094	793,067
GASB (43/45)		99,998	95,271	95,271
Workers' Compensation	512,242	650,000	650,000	682,500
City Services	820,201	921,903	920,751	709,938
Total Operating Expenses	64,637,301	73,149,513	72,264,482	73,603,895
Other Expenses				
Equipment	180,160	367,000	0	1,303,000
Contingency	0	0	1,700,000	1,700,000
TOTAL EXPENSES	\$64,817,461	\$73,516,513	\$73,964,482	\$76,606,895

ESTIMATED COST DISTRIBUTION

2007-08 Estimated Total Gallons Treated (MG)	(1) Percent of Total Sewage Treated	City / District	2008-09 Projected
25,138.878	65.297	City of San Jose (3)	\$50,744,791
5,533.263	12.551	City of Santa Clara	9,353,522
30,672.141	77.848	Sub-Total	\$60,098,313
3,349.246	8.866	West Valley Sanitation District	6,607,308
1,965.134	5.155	Cupertino Sanitary District	3,841,718
2,499.051	6.245	City of Milpitas	4,654,031
546.096	1.455	Sanitation District # 2 - 3	1,084,326
116.189	0.310	Burbank Sanitary District	231,025
46.096	0.121	Sunol Sanitary District	90,174
8,521.812	22.152	Sub-Total	\$16,508,582
39,193.953	100.0	TOTAL (2)	\$76,606,895

(1) Composite of four parameters (flow, BOD, SS, ammonia). Source 2008-09 Revenue Program.

(2) Includes \$1,700,000 in contingency funds.

(3) Includes \$2,082,779 worth of In-Lieu of Tax fees. These costs are charged only to San Jose.

San Jose/Santa Clara Water Pollution Control Plant
Environmental Services Department

OVERVIEW

This year's TPAC Budget continues to reflect the funding allocations by core service, in accordance with the City's Investing in Results Program. As previously reported, the Environmental Services Department has six core services:

- | | |
|---|--|
| <input type="checkbox"/> Manage Wastewater | <input type="checkbox"/> Manage Recycling and Garbage Services |
| <input type="checkbox"/> Manage Recycled Water | <input type="checkbox"/> Manage Potable Water |
| <input type="checkbox"/> Manage Urban Runoff Quality | <input type="checkbox"/> Protect Natural & Energy Resources |

The three core services that receive funding from the Treatment Plant Operating Fund are Manage Wastewater, Manage Recycled Water, and Protect Natural & Energy Resources. Through the Protect Natural & Energy Resources core service, the Department's water conservation programs assist and conduct outreach to businesses and residents in an effort to promote water conservation and thereby reduce the flow of wastewater to the Water Pollution Control Plant. The Manage Recycled Water core service diverts treated Plant effluent from the Bay to agricultural, landscaping, and other uses. The Manage Wastewater core service funds all maintenance and operations functions of the Plant, as well as the Laboratory, Source Control Program, and permit development and compliance.

In addition to these three core services, the Treatment Plant Operating Fund also funds a portion of Strategic Support services which provide administrative services to all core service programs within the Department. These services include public education, long range planning, financial management, computer services, clerical support, employee services, materials management, and facility management.

The 2008-09 Proposed Treatment Plant Operating Fund Budget recommends an increase of 4.2% over the 2007-08 Adopted Budget. This increase represents additional costs for benefits and retirement contributions, increased energy and chemical costs for the Recycled Water and Wastewater categories, and \$2.6 million in additional budget proposals.

Although the majority of the operating expenditures associated with this fund have followed a stable and predictable rate of inflation, there have been several items that have exceeded expenditure projections during this period. Most notable among these has been the increase in energy costs over the past several years. Over the past six years, natural gas and electricity costs at the treatment plant have risen 35%, with natural gas prices continuing to rise at an annual average of more than 7%. Total energy costs for the treatment plant now represent approximately one-third of all non-personal costs.

Other items that have exceeded the general rate of inflation include vehicle and facility maintenance costs, workers' compensation costs, retirement, and other personnel costs.

San Jose/Santa Clara Water Pollution Control Plant
Environmental Services Department

OVERVIEW CONTINUED

BUDGET SUMMARY

Department Budget Summary	2006-07 Actual 1	2007-08 Adopted 2	2008-09 Forecast 3	2008-09 Proposed 4	% Change (2 to 4)
Dollars by Core Services					
Manage Wastewater	\$ 52,030,019	\$ 58,385,239	\$ 57,754,754	\$ 60,401,649	3.5%
Manage Recycled Water	\$ 3,122,897	\$ 4,310,582	\$ 4,331,343	\$ 4,331,343	0.5%
Protect Natural & Energy Resources	\$ 1,072,399	\$ 2,197,244	\$ 1,969,895	\$ 2,012,599	(8.4%)
Strategic Support	\$ 6,149,753	\$ 5,879,712	\$ 5,432,374	\$ 5,395,229	(8.2%)
Total	\$ 62,375,068	\$ 70,772,777	\$ 69,488,366	\$ 72,140,820	1.9%
Dollars by Category					
Personal Services					
Salaries/Benefits	\$ 31,584,533	\$ 37,456,290	\$ 38,490,651	\$ 39,694,045	6.0%
Overtime	\$ 856,428	\$ 642,035	\$ 642,035	\$ 642,035	0.0%
Subtotal	\$ 32,440,961	\$ 38,098,325	\$ 39,132,686	\$ 40,336,080	5.9%
Non-personal/Equipment	\$ 29,934,107	\$ 32,674,452	\$ 30,355,680	\$ 31,804,740	(2.7%)
Total	\$ 62,375,068	\$ 70,772,777	\$ 69,488,366	\$ 72,140,820	1.9%
Authorized Positions	334.76	351.76	343.64	354.02	0.6%

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Manage Wastewater

Core Service Purpose

Manage wastewater for suitable discharge into the South San Francisco Bay and for beneficial reuse to protect the environment and public health.

Key Operational Services:

- | | |
|---|---|
| <input type="checkbox"/> Source Management and Control | <input type="checkbox"/> Regulatory Development and Compliance |
| <input type="checkbox"/> Operation of Treatment System and Processes | <input type="checkbox"/> Technical Guidance |
| <input type="checkbox"/> Maintain Equipment and Facilities | <input type="checkbox"/> Process Control Monitoring |
| | <input type="checkbox"/> System Improvements |

Performance and Resource Overview

This core service's activities are primarily focused on providing wastewater treatment services to eight jurisdictions and 1.4 million residents in the south bay, conducting industrial facility inspections, and activities to ensure compliance with the City's National Pollution Discharge Elimination System (NPDES) Wastewater permit. For the sixth consecutive year, the San José/Santa Clara Water Pollution Control Plant (Plant) has achieved 100% compliance with its permit discharge requirements. This accomplishment has earned the Plant its second Platinum Peak Performance Award given by the National Association of Clean Water Agencies for 100% permit compliance for five consecutive years.

For the past several years, the performance issue of greatest concern for this core service has been the performance measure "Cost per million gallons treated." Although the significant decline in influent over the past several years is a contributing factor towards the rising measure, the increasing maintenance costs associated with the aging infrastructure at the Plant are significantly impacting operational costs. In response to this trend, two new programs were added in 2007-2008. The first was the development of an asset management program in order to develop a comprehensive data-driven strategy to address long-term capital needs within the Plant. The second was the enhancement of a preventive maintenance team that can develop a systematic approach, with dedicated personnel, to ensure a more thorough and timely maintenance cycle for all major assets. Both programs are underway and are expected to produce long-term savings through the planning and coordination of the rehabilitation and replacement of those assets in the most cost-effective manner possible.

In addition, the Plant capital program was significantly increased in 2007-2008, and continues at a heightened level of activity for 2008-2009, in order to address critical infrastructure needs at the Plant. In order to have the appropriate level of staffing to effectively manage and implement these projects, the addition of four positions is recommended in the 2008-2009 Proposed Operating Budget.

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department







Core Service: Manage Wastewater

Performance and Resource Overview (Cont'd.)

In order to comply with the City's permit provisions, several positions are proposed to support program expansion. Three additional Environmental Inspectors are proposed to fulfill a request by the Plant Tributary Agencies to expand the Fats, Oil, and Grease (FOG) Program from San José to the entire Tributary area; a position is proposed to coordinate the new Dental Mercury Reduction Program and coordinate pharmaceutical take-back events; and one position is proposed to be added to the Source Control Section to ensure mandated sampling frequencies are met.

For the remainder of the measures in this core service, the Department is projected to meet or exceed its performance targets in 2008-2009. The performance measure "Million gallons per day discharged to the Bay during average dry weather season" is slightly below the targeted level due to an overall decline of flows to the Plant and continued recycled water flows to customers. This measure continues to sufficiently meet the Regional Water Quality Control Board's permit requirements and flow trigger of 120 million gallons per day (mgd). If average discharges from the Plant exceed this level during the May through October dry-weather season, however, the Board could order a number of more stringent measures, such as a building moratorium, that could threaten the area's long-term economic growth.

2006-2007 represents a reverse of the previous two years in which dry-weather influent was higher than the previous year and the total gallons treated per day also reflects this decline. This is in large part due to the significant decline in spring precipitation between 2006 and 2007, but may also indicate a slowing economy similar to the downward trend in plant inflows for the years immediately following the previous recession, which began in 2000-2001.

Manage Wastewater Performance Summary	2006-2007 Actual	2007-2008 Target	2007-2008 Estimated	2008-2009 Target
 Millions of gallons per day discharged to the Bay during average dry weather season State order: 120 mgd or less*	102	105	102	105
 % of time pollutant discharge requirements are met or surpassed	100%	100%	100%	100%
 % of suspended solids removed	99%	99%	99%	99%
 % of scheduled industrial inspections completed on time	98%	95%	95%	95%
 Cost per million gallons treated	\$885	\$955	\$933	\$985
 % of customers (permitted dischargers) satisfied or very satisfied with service, based on reliability and pre-treatment services	N/A**	90%	***	N/A**

Changes to Performance Measures from 2007-2008 Adopted Budget: No

* Average dry weather season is defined as the lowest three month continuous average between May and October.

** No survey scheduled for specified year

*** 2007-2008 survey to be conducted in June 2008

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Manage Wastewater

Performance and Resource Overview (Cont'd.)

Activity & Workload Highlights	2006-2007 Actual	2007-2008 Target	2007-2008 Estimated	2008-2009 Target
Average millions of gallons per day treated	116	120	114	120
Total population in service area	1,364,700	1,362,205	1,382,960	1,406,000
Total pounds of suspended solids removed (in millions)	97	115	100	100

Changes to Activity & Workload Highlights from 2007-2008 Adopted Budget: None

Manage Wastewater Resource Summary	2006-2007 Actual 1	2007-2008 Adopted 2	2008-2009 Forecast 3	2008-2009 Proposed 4	% Change (2 to 4)
Core Service Budget *					
Personal Services	\$ 25,237,853	\$ 30,931,826	\$ 32,597,311	\$ 33,763,905	9.2%
Non-Personal/Equipment	26,792,166	27,453,413	25,157,443	26,637,744	(3.0%)
Total	\$ 52,030,019	\$ 58,385,239	\$ 57,754,754	\$ 60,401,649	3.5%
Authorized Positions	269.85	286.85	287.43	297.43	3.7%

* The Resource Summary includes all operating allocations within the Department that contribute to the performance of this Core Service. Note that additional resources from City-Wide, Special Funds and/or Capital Funds may also contribute to Core Service performance, yet are displayed elsewhere in this budget.

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Manage Wastewater

Budget Changes By Core Service

Proposed Core Service Changes	Positions	Treatment Plant Appropriations
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RELIABLE UTILITY INFRASTRUCTURE

1. Treatment Plant Residual Sludge Staffing **1.00** **(28,179)**

This proposal will fund the addition of 2.0 Maintenance Worker I positions, the costs of which are completely offset by the deletion of 1.0 vacant Heavy Equipment Operator and the reduction of non-personal/equipment funds. A recent management analysis indicated that this solution was both beneficial and met the long-term labor needs of this aspect of the treatment process. (Ongoing savings: \$13,405)

Performance Results:

No impacts to current performance levels are anticipated as a result of this action.

2. Central Service Yard Consolidation **(15,000)**

This action generates city-wide vehicle maintenance and operations cost savings totaling \$291,925 (\$237,914 in the General Fund), resulting from the proposed relocation and consolidation of both the Fire and West Yard fleet maintenance operations to the Central Service Yard. As a result of these consolidations, efficiencies will be realized, which will enable the Department to reduce costs without impacting service levels. Three vacant positions in the General Services Department (1.0 Equipment Mechanic Assistant II, 1.0 Mechanic, 1.0 Assistant Fire Mechanic) are recommended to be eliminated. In order to maximize remaining resources and ensure that the consolidation does not deteriorate service levels, the General Services Department will institute a swing shift. In order to meet supervision needs on the swing shift, the addition of a Senior Mechanic Position is also recommended. The cost savings in the Environmental Services Department Manage Wastewater Core Service is \$15,000. (Ongoing savings: \$15,000)

Performance Results:

No impacts to current performance levels are anticipated as a result of this proposal.

3. Treatment Plant Equipment Replacement **1,100,000**

This proposal will fund the replacement of several large pieces of industrial equipment and maintenance vehicles that have exceeded their beneficial years of service. The replacement of the recommended items will ensure sufficient resources for Plant personnel to operate and maintain the sewage treatment process. These items include dredges, booster pumps, a vector truck, and other facility specific vehicles and equipment. (Ongoing costs: \$0)

Performance Results:

Cost Reduces maintenance costs on equipment that has exceeded its useful life and ensure an available fleet for operations and maintenance.

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Manage Wastewater

Budget Changes By Core Service

Proposed Core Service Changes	Positions	Treatment Plant Appropriations
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RELIABLE UTILITY INFRASTRUCTURE (CONT'D.)

4. Treatment Plant Capital Project Delivery	4.00	386,092*
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This proposal will fund the addition of 2.0 Associate Engineers, 1.0 Senior Engineering Technician, and 1.0 Associate Engineering Technician, to provide long-term support for Plant CIP projects that are expected to more than double in number and total expenditures in the five-year CIP period. The additional engineers will provide in-house design for smaller projects and project management for the growing number of larger projects as described in the Capital Budget. The technicians would also support the increased number of projects, as well as provide the drafting support required for in-house designed projects and record drawings after project construction. (Ongoing costs: \$436,525)

*Funded through the Treatment Plant Capital Fund (512) five-year budget

Performance Results:

Cost Reduces labor hour costs per work order by efficiently and effectively addressing current and future capital maintenance, rehabilitation, and improvement projects.

5. Treatment Plant Maintenance Staffing Training and Safety	1.00	80,417
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This proposal will fund the addition of 1.0 Analyst position to establish, manage, and oversee an enhanced mechanical training program and augment the Industrial Safety Program. This position is an enhancement of the Department's current trades training in that this position is assigned directly to the Plant's maintenance section to work on a daily basis within the trades groups in order to develop policies and practices that ensure the Plant's full compliance with Cal-OSHA standards and ongoing training needs. (Ongoing costs: \$109,308)

Performance Results:

Quality Ensure the Treatment Plant's full compliance with Cal-OSHA standards.

6. Treatment Plant Pilot Operator Certification Incentive Program		50,000
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This proposal will fund a pilot program that rewards operators at the Plant for voluntarily achieving a higher level of certification for wastewater treatment as regulated by the State of California. By providing an incentive, greater numbers of operators will obtain higher certification to address an increase in expected retirements as well as to maintain a higher level of recognized industry specific knowledge. This proposal is subject to the meet and confer process. (Ongoing costs: \$0)

Performance Results:

Quality Ensure the Treatment Plant's full compliance with State regulations and provide sufficient accredited staff.

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Manage Wastewater

Budget Changes By Core Service (Cont'd.)

Proposed Core Service Changes	Positions	Treatment Plant Appropriations
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RELIABLE UTILITY INFRASTRUCTURE (CONT'D.)

7. Diesel Powered Vehicles Retrofit **14,500**

This proposal provides funding for the Fleet Management Division of the General Services Department to retrofit one truck in the Environmental Services Department fleet in order to reduce emissions. This funding is necessary as a result of recent State legislation requiring that public agencies and utility companies retrofit their entire fleet of on-road, heavy-duty, diesel fueled vehicles by the end of 2011. This funding, along with funding to retrofit 27 diesel fueled vehicles in other City departments, will bring 40% of the City's fleet into compliance in 2008-2009. (Ongoing costs: \$0)

Performance Results:

Quality This action would reduce emissions produced by the City's on-road, heavy-duty, diesel fleet, thus producing less pollution.

HEALTHY STREAMS, RIVERS, MARSH AND BAY

8. Fats, Oils, and Grease (FOG) Program Expansion **3.00** **465,385**

This proposal will fund the addition of 3.0 Environmental Inspectors, three vehicles, and related non-personal/equipment and shifts funding for 4.0 Environmental Inspector positions from the Sewer Service and Use Fund (541) to the San José/Santa Clara Treatment Plant Fund (513), to expand FOG program implementation from San José facilities to facilities throughout the service area of the Water Pollution Control Plant. These resources are necessary to comply with Regional Board requirements. (Ongoing costs: \$401,017)

Performance Results:

Quality Ensures that the City and the other cities serviced by the Plant are in compliance with regulatory requirements.

9. Pretreatment Program Staffing **1.00** **138,856**

This proposal will fund the addition of 1.0 Environmental Inspector, associated non-personal/equipment costs, and a vehicle, to ensure adequate staffing to address the increased demands of implementing increased sampling frequencies for specific companies and an aggressive staff-training program related to commercial and industrial inspection activities, while still implementing routine program activities and maintaining customer compliance. These resources are necessary to comply with the 2005 EPA Administrative Order and the Plant NPDES permit requirements. (Ongoing costs: \$116,098)

Performance Results:

Quality Ensures that the City is in compliance with the NPDES permit responsive to the 2005 EPA Administrative Order.

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Manage Wastewater

Budget Changes By Core Service (Cont'd.)

Proposed Core Service Changes	Positions	Treatment Plant Appropriations
HEALTHY STREAMS, RIVERS, MARSH AND BAY (CONT'D.)		
10. Pollution Prevention Program Expansion		103,725
<p>This proposal will fund the addition of 1.0 Staff Specialist, partially offset by the deletion of a Plant Attendant and additional non-personal/equipment funding to address the increased demands of expanding the Pollution Prevention program to incorporate a Dental Mercury Reduction program and pilot Pharmaceutical Collection program to serve the Water Pollution Control Plant tributary area. This program expansion addresses upcoming regulations tied to the Regional Water Quality Control Board's San Francisco Bay Total Maximum Daily Load determinations for specific pollutants as well as emerging water quality threats. (Ongoing costs: \$100,919)</p>		
Performance Results:		
Quality Ensures that the City is in compliance with the NPDES permit and reduces the risk of pollution from the Treatment Plant to the Bay.		
2008-2009 Proposed Core Service Changes Total	10.00	2,295,796

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Manage Recycled Water

Core Service Purpose

Develop, operate, and maintain a recycled water system that reduces effluent to the Bay and provides a reliable and high quality alternative water supply.

Key Operational Services:

- | | |
|--|---|
| <input type="checkbox"/> System Operations and Maintenance | <input type="checkbox"/> Education and Marketing |
| <input type="checkbox"/> Regulatory Compliance | <input type="checkbox"/> System Expansion and Development |
| <input type="checkbox"/> Customer Connection Services | |

Performance and Resource Overview

The City's investment in South Bay Water Recycling (SBWR) and its expansion is helping the City protect endangered species habitats while providing an alternate supply of high-quality water for a variety of uses. This effort supports the City's economic development goals and the associated growth, while keeping the San José/Santa Clara Water Pollution Control Plant's discharges to South San Francisco Bay within the wastewater discharge flow trigger of 120 million gallons per day (mgd) set by the Regional Water Quality Control Board.

Over 540 SBWR customers are currently using recycled water to irrigate parks, schools, golf courses, and commercial landscape, as well as for manufacturing and cooling towers. While the amount of water diverted from South San Francisco Bay will continue to increase as more customers are added to the system, new uses will also result in new challenges. For example, while the use of recycled water for cooling at power plants in Santa Clara and south San José has increased recycled water consumption by as much as 5 million gallons a day during the summer, the discharge of concentrated cooling water to the treatment plant increases the salinity of recycled water, which will eventually require additional treatment to ensure that recycled water remains suitable for irrigation. In view of this, the City and the Santa Clara Valley Water District have recently collaborated on an Advanced Water Treatment pilot program to demonstrate the effectiveness of microfiltration and reverse osmosis in improving recycled water quality.

Another issue brought on by the success of South Bay Water Recycling is the need to adjust recycled water rates to better reflect their value to customers and reduce the program's longstanding operating deficit. Beginning in 2004-2005, SBWR wholesale water rates were indexed to the Santa Clara Valley Water District (SCVWD) rate for untreated water, currently \$475 per acre-foot (AF). In 2008-2009, the SCVWD is proposing to increase the untreated water rate by \$45 per AF. Consistent with the SBWR wholesale rate ordinance, the wholesale price of recycled water will rise dollar for dollar with the increase approved by the SCVWD. Furthermore, in 2008 the program has proposed a change to the rates such that the discount provided for the use of recycled water will decrease over the next several years in recognition of the relatively broad acceptance of its use in Silicon Valley, and its increasing value to irrigation and industrial customers.







San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Manage Recycled Water

Performance and Resource Overview (Cont'd.)

During the past fiscal and calendar years, the San José /Santa Clara Water Pollution Control Plant continued to discharge below 120 million gallons per day of highly treated effluent due to a combination of water conservation and water recycling. With respect to the performance measures during 2007-2008 it is estimated that SBWR will have met its target by delivering an estimated 3300 million gallons of recycled water on an annual basis. During the dry weather period (May through October), daily recycled water use for the 2007-2008 reporting period (June-August 2007) averaged 14.4 mgd or about 13% of total influent flow.

Manage Recycled Water Performance Summary	2006-2007 Actual	2007-2008 Target	2007-2008 Estimated	2008-2009 Target
 Millions of gallons per day diverted from flow to the Bay for beneficial purposes during the dry weather period*	14.1	15	14.4	16
 Millions of gallons of recycled water delivered annually	3,290	3,300	3,300	3,500
 % of time recycled water quality standards are met or surpassed	100%	100%	100%	100%
 % of wastewater influent recycled for beneficial purposes during the dry weather period*	12%	12%	13%	14%
 Cost per million gallons of recycled water delivered	\$1,025	\$1,100	\$1,100	\$1,100
 % of recycled water customers rating service as good or excellent, based on reliability, water quality, and responsiveness	69%**	75%**	N/A**	75%

Changes to Performance Measures from 2007-2008 Adopted Budget: No

* Dry weather period defined as lowest three months continuous average between May and October, which during the fiscal year reporting period is July-September.

** Data for this measure comes from the "Overall Satisfaction" parameter as reported in the 2005-2006 Recycled Water Customer Satisfaction Survey in September 2006. The next scheduled survey will cover 2007-2008 and will be reported in fall 2008.

Activity & Workload Highlights	2006-2007 Actual	2007-2008 Forecast	2007-2008 Estimated	2008-2009 Forecast
Total number of South Bay Water Recycling customers	547	600	550	600

Changes to Activity & Workload Highlights from 2007-2008 Adopted Budget: No

San Jose/Santa Clara Water Pollution Control Plant
Environmental Services Department
Core Service: Manage Recycled Water

Performance and Resource Overview (Cont'd.)

Manage Recycled Water Resource Summary	2006-2007 Actual 1	2007-2008 Adopted 2	2008-2009 Forecast 3	2008-2009 Proposed 4	% Change (2 to 4)
Core Service Budget *					
Personal Services	\$ 1,715,016	\$ 2,053,961	\$ 2,068,546	\$ 2,068,546	0.7%
Non-Personal/Equipment	1,407,881	2,256,621	2,262,797	2,262,797	0.3%
Total	\$ 3,122,897	\$ 4,310,582	\$ 4,331,343	\$ 4,331,343	0.5%
Authorized Positions	17.33	17.33	16.70	16.70	(3.6%)

Budget Changes By Core Service

Proposed Core Service Changes	Positions	Treatment Plant Appropriations
NONE		

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Protect Natural and Energy Resources

Core Service Purpose

Promote enhanced air quality, environmentally responsible land use, and conservation of water and energy resources.

Key Operational Services:

- | | |
|---|--|
| <input type="checkbox"/> Protect and Monitor Groundwater Quality | <input type="checkbox"/> Habitat Protection |
| <input type="checkbox"/> NPDES Permits Development | <input type="checkbox"/> Water Conservation |

Performance and Resource Overview

This core service focuses on the City's contributions to protecting and conserving air, land, water, and energy. In its other five core services, the Environmental Services Department accomplishes its mission and practices environmental leadership through the services it provides. In this core service, direct services are more limited and the focus is on practicing leadership through policy development, education, influence, finding supporting grants, and coordination.

The Water Efficiency Program is continuing to reduce wastewater flows to the Treatment Plant by managing programs that reduce water demand. Flows to the Plant remain below the trigger of 120 mgd, and in 2006-2007, water conservation achieved approximately 378,000 gallons per day of water savings in the Plant service area. A City-wide water conservation plan is being finalized and will be implemented over the next three years.

The cost sharing partnerships with the Santa Clara Valley Water District (District) on indoor water conservation programs leverages funds, thus achieving increased water conservation with fewer dollars. Cost sharing programs include: rebates for high efficiency toilet and washer retrofits; the Neighborhood Preservation Water Conservation Program, which provides financial assistance to low-income San José residents (identified under the City's Neighborhood Preservation Ordinance) who upgrade their landscapes using water conserving landscape materials and plants; and information on water efficient practices and water conservation to residents and businesses in the Plant service area. The City is maintaining its contribution to District programs over the next year. The performance measure "% of annual goal achieved for gallons of water conserved tributary area-wide" and the Activity and Workload Highlight "Millions of gallons per day conserved (tributary area-wide)" are estimated to end the year above the target levels.

In 2008-2009, staff will continue to lead and support Environmental Service's efforts to work more effectively with the business community. ESD's Business Environmental Support Team (BEST) serves the business sector through collaborative efforts offering information, and incentives that support San José businesses in becoming more resource-efficient while improving our environment. In addition to Water Efficient Technology (WET) rebates, BEST collaborates with the County Green Business Program, local business associations, and the Santa Clara Valley Water District's Water Efficiency Program to provide San José businesses with more comprehensive input regarding environmental management practices that benefit businesses and the environment.




San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Protect Natural and Energy Resources

Performance and Resource Overview (Cont'd.)

The performance measure “% of annual goal achieved for gallons of water conserved tributary area-wide” and the Activity and Workload Highlight “Millions of gallons per day conserved (tributary area-wide)” are estimated to end the year near the targeted levels.

Protect Natural and Energy Resources Performance Summary	2006-2007 Actual	2007-2008 Target	2007-2008 Estimated	2008-2009 Target
 (Water) % of annual goal for gallons of water conserved tributary-wide	200%	100%	150%	100%
 (Water) Net cost per gallon per day of water conserved through City programs*	\$1.93	\$2.00	\$2.05	\$2.10
 (Water) % of residents demonstrating water conservation knowledge	30%	30%	NA**	35%

Changes to Performance Measures from 2007-2008 Adopted Budget: No

** Cost per gallon per day of water conserved is artificially low for 2006-2007 because the total savings in 2006-2007 was unusually higher than expected.

** Data for this measure will come from the 2008 Water Focus Survey, which will be conducted in Spring/Summer 2008.

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Core Service: Protect Natural and Energy Resources

Performance and Resource Overview (Cont'd.)

Activity & Workload Highlights	2006-2007 Actual	2007-2008 Forecast	2007-2008 Estimated	2008-2009 Forecast
Millions of gallons per day conserved (tributary area-wide)	0.378	0.150	0.259	0.200
Cumulative millions of gallons per day conserved since July 1992 (tributary area-wide)	8.04	7.623	8.30	8.50
Number of UN Accords Implemented (of 21 total)	NEW	3	2	2

Changes to Activity & Workload Highlights from 2007-2008 Adopted Budget: No

Protect Natural and Energy Resources Resource Summary	2006-2007 Actual 1	2007-2008 Adopted 2	2008-2009 Forecast 3	2008-2009 Proposed 4	% Change (2 to 4)
Core Service Budget *					
Personal Services	\$ 362,608	\$ 425,323	\$ 187,891	\$ 224,691	(47.2%)
Non-Personal/Equipment	709,791	1,771,921	1,782,004	1,787,908	0.9%
Total	\$ 1,072,399	\$ 2,197,244	\$ 1,969,895	\$ 2,012,599	(8.4%)
 Authorized Positions	 3.16	 3.16	 1.25	 1.63	 (48.4%)

* The Resource Summary includes all operating allocations within the Department that contribute to the performance of this Core Service. Note that additional resources from City-Wide, Special Funds and/or Capital Funds may also contribute to Core Service performance, yet are displayed elsewhere in this budget.

Budget Changes By Core Service

Proposed Core Service Changes	Positions	Treatment Plant Appropriations
SAFE, RELIABLE AND SUFFICIENT WATER SUPPLY		
1. Water Conservation Program Staffing	.38	39,769
<p>This proposal would provide ongoing funding for the addition of 1.0 Environmental Services Specialist for the Water Conservation Program, to ensure implementation of the City policies to reduce wastewater flows to protect San Francisco Bay and preserve the salt marsh habitat of the Bay; and to ensure the best and most efficient use of water. (Ongoing costs: \$114,944)</p>		
Performance Results:		
<p>Quality Reduction of wastewater flows to the San José/Santa Clara Water Pollution Control Plant; reduction of water and energy consumption in the Plant service area and City-wide; and achievement of at least two of the UN Environmental Accords (Action #19 to conserve water and Action #20 to protect drinking water sources and ecosystems).</p>		
2008-2009 Proposed Core Service Changes Total	.38	39,769

San Jose/Santa Clara Water Pollution Control Plant
Environmental Services Department
Strategic Support

Strategic Support represents services provided within departments that support and guide the provision of the core services. Strategic Support within the Environmental Services Department includes:

Key Operational Services:

- | | |
|---|--|
| <input type="checkbox"/> Public Education | <input type="checkbox"/> Employee Services |
| <input type="checkbox"/> Long Range Planning | <input type="checkbox"/> Facility Management |
| <input type="checkbox"/> Financial Management | <input type="checkbox"/> Clerical Support |
| <input type="checkbox"/> Information Technology Services | <input type="checkbox"/> Materials Management |

Performance and Resource Overview

Key initiatives in this area include annual reporting on the Environmental Services Department's special funds and rates, legislative research and advocacy, and GIS mapping activities.

Costs for these programs are allocated to the Treatment Plant Operating Fund based on a measure of the units of service provided. The following table shows the percentage of support program resources allocated to the Treatment Plant Operating Fund for FY 2007-2008 and FY 2008-2009.

Allocated Support from the Treatment Plant Operating Fund

Program	FY 2007-08	FY 2008-09
Marketing Communications	43%	58%
Environmental Compliance & Safety	40%	10%
Office of Sustainability ¹	64%	62%
Management & Support Services	74%	67%
MIS/GIS ²		65%

¹ Previously the Policy and Planning Group

² Previously included within the Support Services Group

San Jose/Santa Clara Water Pollution Control Plant

Environmental Services Department

Strategic Support

Performance and Resource Overview (Cont'd.)

Strategic Support Resource Summary	2006-2007 Actual 1	2007-2008 Adopted 2	2008-2009 Forecast 3	2008-2009 Proposed 4	% Change (2 to 4)
Core Service Budget *					
Personal Services	\$ 5,125,484	\$ 4,687,215	\$ 4,278,938	\$ 4,278,938	(8.7%)
Non-Personal/Equipment	1,024,269	1,192,497	1,153,436	1,116,291	(6.4%)
Total	\$ 6,149,753	\$ 5,879,712	\$ 5,432,374	\$ 5,395,229	(8.2%)
 Authorized Positions	 44.42	 44.42	 38.26	 38.26	 (13.9%)

Strategic Support Budget Changes

Proposed Changes	Positions	Treatment Plant Appropriations
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RELIABLE UTILITY INFRASTRUCTURE

1. Telephone Communications Cost Efficiencies (69,203)

This action would generate ongoing city-wide telephone communications cost savings totaling \$332,000 (\$152,000 in the General Fund). The cost savings in the Environmental Service Department is \$69,203. These reductions are made possible by efficiencies resulting from the routing of phone calls over combined voice/data lines over the Internet, a technology known as Voice over Internet Protocol (VoIP) that is more cost efficient than traditional phone systems that route calls over existing phone lines. Savings are also being achieved through lower departmental call levels. (Ongoing savings: \$69,203)

Performance Results:

No changes to current service levels are anticipated with this reduction due to the technology efficiencies of VoIP.

2008-2009 Proposed Strategic Support Changes Total	0.00	(69,203)
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PROPOSED
SAN JOSE / SANTA CLARA
WATER POLLUTION CONTROL PLANT

700 Los Esteros Road
San Jose, California 95134

Five-Year 2009-2013
Capital Improvement Program

Submitted by

John Stufflebean, Director

Environmental Services Department

City of San Jose

TO: Treatment Plant Advisory Committee

Nora Campos
Curtis Harrison
Bob Livengood
Patricia Mahan
Diane McNutt
Kevin Moore
Chuck Reed
Ed Shikada
Madison Nguyen

Councilmember, City of San Jose
Boardmember, Cupertino Sanitary District
Councilmember, City of Milpitas
(Chair) Mayor, City of Santa Clara
Boardmember, West Valley Sanitation District
Councilmember, City of Santa Clara
Mayor, City of San Jose
Deputy City Manager, City of San Jose
Councilmember, City of San Jose

PROPOSED

San Jose/Santa Clara Water Pollution Control Plant Five-year 2009-2013 Capital Improvement Program

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V-155 – V-156	Summary of Projects that Start after 2008-2009

Water Pollution Control Capital Program

2009-2013 Proposed Capital Improvement Program

Overview

Introduction

The San José/Santa Clara Water Pollution Control Plant (Plant) is a regional wastewater treatment facility serving eight tributary sewage collection agencies (Agencies), including municipalities and sanitary sewer districts. The service area includes the following cities and adjacent, unincorporated County territory: San José, Santa Clara, Milpitas, Cupertino Sanitary District, West Valley Sanitary District (Campbell, Los Gatos, Monte Sereno and Saratoga), County Sanitation Districts 2-3, Sunol and Burbank Sanitary Districts. The Plant is jointly owned by the cities of San José and Santa Clara and is administered and operated by the City of San José's Environmental Services Department (ESD), which is also responsible for planning, designing and constructing new wastewater treatment and water reuse facilities.

Capital costs are estimated annually by ESD staff and are reviewed and recommended as a budget by the Treatment Plant Advisory Committee to the San José City Council for appropriation. The costs are allocated to each Agency based on its contracted-for capacity in the Plant. Each Agency is responsible for its allocated share of Plant costs, as well as its own sewage collection system maintenance, operation, and capital costs; debt service on bonds issued by the Agency for sewer purposes; and any other sewer service related costs. Each Agency is also responsible for establishing and collecting its respective sewer service and use charges, connection fees or other charges for sewer service.

A revenue program is prepared annually by each Agency to establish its sewer service and use charge rates. Rates are adopted by ordinance, or resolution, of the governing body of each Agency. The Agencies' revenue

programs, ordinances and resolutions are submitted to the City of San José, as the administering agency, for review to determine conformance with State Water Resources Control Board (SWRCB) revenue program guidelines and are then submitted by San José to the SWRCB for review and certification.

This program is part of the Environmental and Utility Services City Service Area (CSA) and supports the following outcomes: *Reliable Utility Infrastructure* and *Healthy Streams, Rivers, Marsh, and Bay*.

Program Priorities and Objectives

The Plant Capital Improvement Program (CIP) projects are evaluated using the following criteria established by ESD:

- Projects needed for health and safety.
- Projects needed to maintain the quality of effluent flow.
- Projects mandated by regulatory agencies.
- Projects that ensure adequate process reliability.
- Projects that enhance efficiency and effectiveness.

Sources of Funding

The 2009-2013 Proposed CIP provides funding of \$304.4 million, of which \$93.5 million is allocated in 2008-2009.

Revenues for the Five-Year CIP are derived from several sources: Transfers from the Sewer Service and Use Charge Fund (\$154.2 million); contributions from the City of Santa Clara and Other Agencies (\$69.5 million); Transfers from the Sewage Treatment Plant Connection Fee Fund (\$15.4 million); Interest

Water Pollution Control Capital Program

2009-2013 Proposed Capital Improvement Program

Overview

Sources of Funding (Cont'd.)

Earnings (\$9.3 million); Calpine Metcalf Energy Center Facilities Repayments (\$1.9 million); and federal grants from the U.S. Bureau of Reclamation (\$500,000). In addition, \$53.6 million in available fund balance is programmed to support projects identified in this five-year program.

The Sewer Service and Use Charge Fund is an operating fund that derives its revenues from fees imposed on San José's residential, commercial, and industrial users of the sanitary sewer system and represents the largest source of funding for this capital program. Transfers in the amount of \$154.2 million from the Sewer Service and Use Charge Fund to the Water Pollution Control Capital Improvement Program reflect a \$51.2 million (33.2%) increase compared to the 2008-2012 Adopted CIP. The overall funding level in this CIP assume 15% rate increases to SS&UC fees for 2008-2009 and 2009-2010, as notified to the public in May 2007. These increases will fund projects as described in the "Program Highlights" category below.

An annual transfer of \$3.08 million is anticipated from Sewage Treatment Plant Connection Fee Fund and is programmed as part of the 2009-2013 Proposed CIP.

Contributions from the City of Santa Clara and other agencies are determined by agreements with the participating agencies, financing plans, anticipated expenditures for the Plant and the amount and characteristics of flows to the treatment plant. These contributions reimburse the City for actual project expenditures. In this Proposed CIP, these contributions from the City of Santa Clara and the other agencies total \$69.5 million, which represents a \$2.2 million

(3.3%) increase compared to the 2008-2012 Adopted CIP. This increase results from additional capital investment plan proposed, including the Plant Electrical Reliability project, Digester Rehabilitation project, an increase in the Plant Infrastructure Improvements allocation, Equipment Replacement Program, and the Plant Master Plan project.

Program Highlights

Digester Rehabilitation Project

This \$86.6 million project will include a multi-year construction schedule based on the condition and rehabilitation progress of the digesters. The project includes mechanical rehabilitation, replacement and upgrade for 16 concrete digesters to restore digester performance and facilitate the addition of a fats, oils and grease receiving station for digesting grease. It will also address cracks in existing concrete digestion tanks.

Currently, six out of the 16 concrete digesters are non-operational due to structural damage and the lack of adequate mixing capability. All six non-operational digesters are scheduled to be rehabilitated as part of the 2009-2013 Proposed CIP.

Plant Electrical Reliability Project

This \$80 million project will include a multi-phase construction schedule based on a master study completed in 2004. The project will replace and upgrade substations and switches, modify and upgrade power distribution buses and cabling, provide backup systems, and enhance the overall safety and reliability of the Plant electrical systems.

Water Pollution Control Capital Program

2009-2013 Proposed Capital Improvement Program

Overview

Program Highlights (Cont'd.)

Plant Electrical Reliability Project (Cont'd.)

The current power distribution network has grown in a patched manner over the years, and many electrical system components have reached the end of their service life. This project will address safety needs, as well as provide for future reliability needs.

Several contracts will be placed to cover the entire scope of this project. The earliest start date for selecting a consultant to prepare the design-build specification is Summer 2008. Once the contract to design-build is awarded, it is estimated that the project will take several years to complete.

In the interim, several elements of this project are being implemented through various projects to address immediate safety needs and improvements to the reliability of the Plant electrical system. Since 2005-2006, \$9.7 million has been programmed for the design and construction of this work, which includes: 1) addition of current limiting reactors at substation one to reduce fault current; 2) retrofitting switchgear with higher rated breakers and buss structures; and 3) addition of new switchgear and new cables to make an interim ring buss distribution system operational. Financing options for the remainder of this project, and the Plant Master Plan Project identified below, are being evaluated in conjunction with ongoing sewer service and use charge modeling efforts.

Plant Master Plan Project

The Plant initiated a Plant Master Planning project in 2005. A steering committee developed a vision and goals for the planning process, including regulatory compliance,

worker and community safety, habitat protection and restoration, being a good neighbor, and providing for economic opportunities and cost-effective operation of the Plant.

The Planning process is based on several foundational documents, including an Opportunities and Constraints analysis for the Plant's lands and an infrastructure needs assessment.

In the 4th Quarter of 2007, staff selected a consultant to develop the Plant Master Plan that will be the blue print for the Plant's development over the next 30 years, covering expected flows to the Plant, rates, staffing, Plant infrastructure, use of the buffer lands, bio-solids processing, and many other items. In addition to the existing budget to develop the Master Plan, an additional \$4.2 million has been added to the Plant Master Plan budget for public outreach and the environmental clearance (i.e. EIR) process. The Master Plan is projected to be completed by 2011.

The Master Plan will coordinate the many complex projects required for the Plant due to aging infrastructure and future regulations, and serve as a tool to identify and prioritize CIP projects for upgrades and replacements. Public outreach and stakeholder involvement will be a major component of this process.

South Bay Action Plan

A South Bay Action Plan (SBAP) has been a requirement of the Plant's National Pollution Discharge Elimination System (NPDES) permit since 1991 and includes projects necessary to reduce average dry weather effluent flow from the Plant to below the 120 million gallons per day (mgd) flow trigger, or to levels that protect salt marsh habitat for

Water Pollution Control Capital Program

2009-2013 Proposed Capital Improvement Program

Overview

Program Highlights (Cont'd.)

South Bay Action Plan (Cont'd.)

endangered species in the South Bay. The requirement has changed from specific elements included in the discharge permit to the submission of an annual work plan that allows for adaptive management. In June 1997, both the San Francisco Bay Regional Water Quality Control Board (Regional Board) and the San José City Council approved the Revised South Bay Action Plan (RSBAP). The RSBAP was included as a provision of the 1998 NPDES permit and included the Expanded Water Recycling, Industrial Water Recycling/Reuse, Groundwater Inflow/Infiltration Reduction, and Environmental Enhancement Pilot projects. In February 1998, Council approved a financing plan that identified \$127 million in funding sources for the RSBAP, primarily through State Revolving Fund loans from the State Water Resources Control Board (SWRCB), and Treatment Plant Capital Fund reserves. Included in the \$127 million was \$100 million for water recycling projects.

On September 17, 2003 the Regional Board approved a new NPDES permit for the Plant and continued the requirement for a South Bay Action Plan to comply with the original 1991 Regional Board Resolution.

The Regional Board NPDES permit requirement states that the Plant will continue to implement its water conservation, industrial recycling and reuse, and recycling programs. The 2007 Clean Bay Strategy will continue to address the NPDES permit elements, including the following:

- Water Efficiency Programs – Continue to promote industrial recycling/reuse and indoor water conservation.
- South Bay Water Recycling System – Completion of the Zone 3 recycled water reservoir facility and the Santa Clara Looping projects including SC 5- Santa Clara San Jose Connector in Santa Clara, SJ13 Coleman Avenue Extension, and the Coleman Overpass Recycled Water Line in San José. In addition, the collaborative effort with the Santa Clara Valley Water District for future expansion, operation and maintenance of the system will continue.
- Salt Marsh Vegetative Assessment – Perform marsh assessments in 2008-2009 to identify salt marsh conversion in the study area. The City has performed marsh assessments on an annual basis since 2003.

Plant Infrastructure Needs Improvements

The Plant initiated a study in 2006, to assess the condition of existing infrastructure at the Plant and to identify capital improvements required to maintain adequate wastewater service for existing customers under current regulations and operating permits. Approximately \$249 million in capital improvement projects were identified as high-priority projects that should be implemented over the next five years. These projects were prioritized using a risk management and minimization approach. Risk is measured as a function of the likelihood of a failure, triggers that may require replacement of asset (inadequate capacity, over utilization, obsolescence, excessive maintenance

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Overview

Program Highlights (Cont'd.)

Plant Infrastructure Needs Improvements
(Cont'd.)

requirements), and the consequences of failure.

The Plant Master Plan project, will further integrate the projected needs for repair and replacement of aging infrastructure with other high-priority and long-term facility needs in order to effectively manage risk and utilize available resources and funding. The Master Plan, however, will take several years to develop and implement. In the interim, there are immediate needs that must be addressed to maintain acceptable wastewater service. To aid in interim capital improvement planning, some of the high priority projects that can be implemented over the next five years have been included in this Proposed CIP. These include the Plant Electrical Reliability project (\$55 million), Digester Rehabilitation (\$40 million), and Digester Gas Line Replacement project (\$9 million). All of these projects are being closely coordinated with the Plant Master Plan project.

Other Projects

The 2009-2013 Proposed Capital Improvement Program includes other major projects that will require an investment of capital funds. The following list of priority projects are required to meet regulatory mandates, ensure process reliability, provide for a safe work environment, or provide process efficiencies or cost savings:

- WPCP Reliability Improvement Phase II – \$5 million in this CIP, \$35 million total project costs;

- Secondary and Nitrification Clarifier Rehabilitation – \$12 million in this CIP, \$32 million total project costs;
- Digester Gas Line Replacement – \$9 million in this CIP;
- Filtration Action Plan – Valve Replacement - \$8.6 million in this CIP;
- Environmental Services Building Repair – \$6 million in this CIP;
- South Bay Water Recycling (SBWR) Reservoir Facility – \$6 million in this CIP;
- Dissolved Air Flotation Pressure Retention Tank and Valves Replacement – \$1.1 million in this CIP, \$2.4 million total project costs;
- Fire Line Replacement – \$800,000 in this CIP;
- Warehousing Facility Additions – \$600,000 in this CIP;

Reserve for Equipment Replacement

As in prior CIP's, the 2009-2013 Proposed CIP includes a minimum \$5.0 million reserve for equipment replacement. This reserve minimum was established to satisfy three contractual requirements:

- The State Water Resources Control Board's (SWRCB) Policy for implementing the State Revolving Fund for Construction of Wastewater Treatment requires that annual revenue requirements include funds

Water Pollution Control Capital Program

2009-2013 Proposed Capital Improvement Program
Overview

Program Highlights (Cont'd.)

Reserve for Equipment Replacement (Cont'd.)

for the replacement of major equipment for maintaining the capacity and performance of the treatment plant over its useful life. Compliance with the SWRCB's policy is a requirement of State Revolving Fund Loan Agreements. Equipment replacement of \$13.2 million and a reserve of \$5.0 million are included in the 2009-2013 Proposed CIP to satisfy this requirement.

- The Clean Water Financing Authority (CWFA) Bond Covenants require that a reserve be maintained at a minimum level of \$5.0 million to help pay the costs of extraordinary repairs and for renewal and replacement of the treatment plant when insurance and other funds budgeted for such purposes are exhausted, or are insufficient to meet the need.
- The Master Agreements for Wastewater Treatment between City of San José, City of Santa Clara, and Tributary Agencies established a replacement fund to deposit annual contributions for the replacement of major treatment plant equipment. The Master Agreements also require that each agency pay its proportionate share of the annual replacement contribution.

Major Changes from the 2008-2012 Adopted CIP

Major changes from the 2008-2012 Adopted CIP include the following:

- This Proposed CIP assumed rate increases of 15% for the next two years and contributions from other agencies in order to fund projects over the five-year term.
- Additional transfers in the amount of \$51.1 million from the Sewer Service and Use Charge Fund for the City of San José costs for CIP projects.
- Allocation of additional \$40 million to Digester Rehabilitation.
- Additional funding in the amount of \$9.8 million for Plant Infrastructure Improvements.
- Allocation of additional \$8 million for Secondary and Nitrification Clarifier Rehabilitation.
- Allocation of additional \$6.5 million to Revised South Bay Action Plan – SBWR Extension.
- Allocation of additional funding for new projects for Environmental Services Building Repair (\$6 million) and WPCP Reliability Improvements Phase II (\$5 million).
- Allocation of additional \$5 million for Reserve for Plant Master Plan Improvements.

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Overview

Major Changes from the 2008-2012 Adopted CIP (Cont'd.)

- Eliminate revenue anticipated for the 1MW Fuel Cell project (\$4.5 million) and the corresponding expenditure (\$6.8 million). This project was eliminated due to a disagreement between the contractor and the City regarding future maintenance that would have committed the City to a long-term maintenance agreement with the contractor. The Plant is currently exploring other options for Fuel Cell such as a power purchasing agreement.
- Additional funding in the amount of \$2.1 million as contributions from the City of Santa Clara and Other Agencies for their proportionate costs for CIP projects.
- Allocation of an additional \$2 million for Equipment Replacement.
- Allocation of additional \$1.7 million for Plant Master Plan.
- Allocation of additional \$1.3 million for Public Art.
- Allocation of additional \$500,000 for Dissolved Air Flotation Pressure Retention Tank & Valves Replacement.

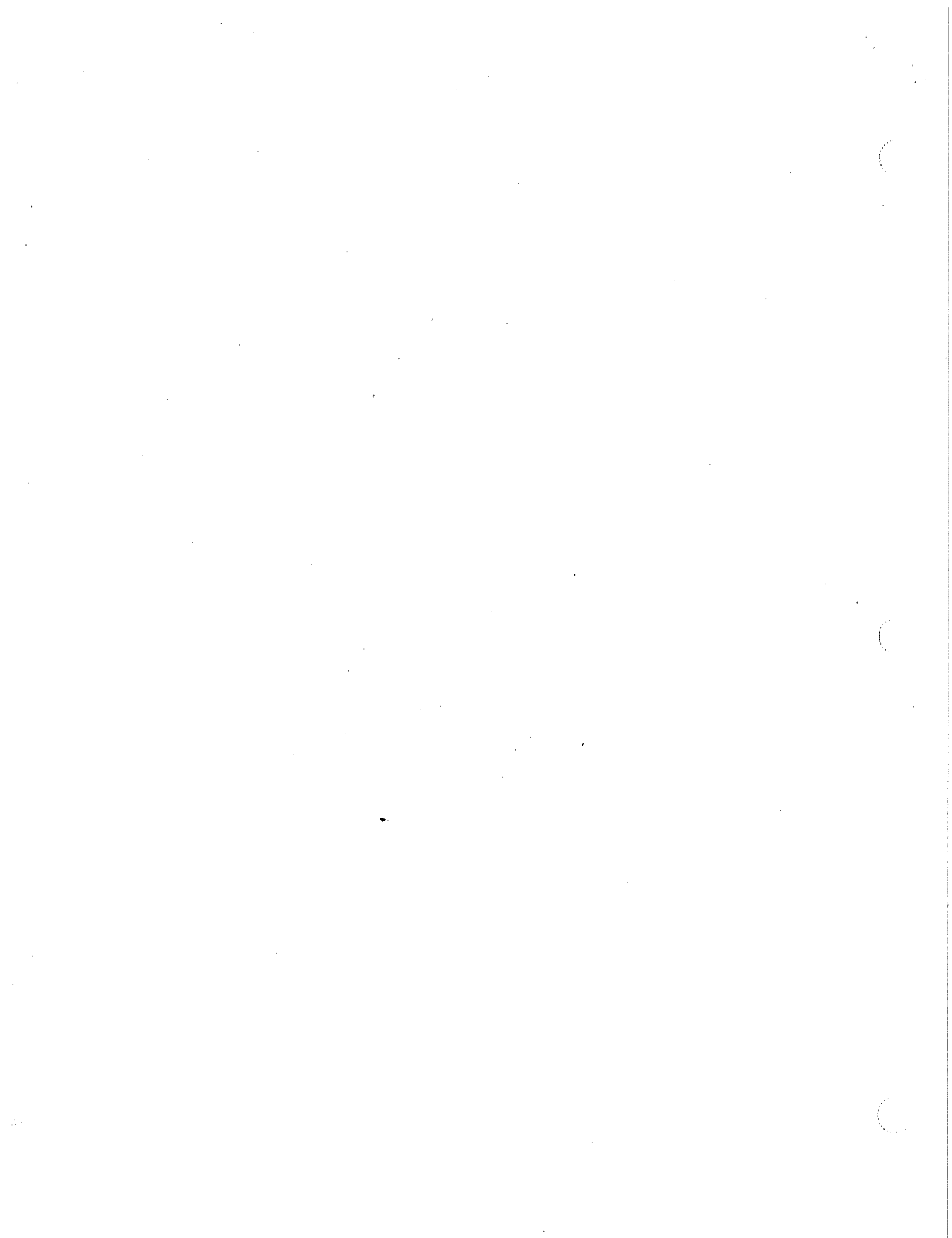
Operating Budget Impact

Although the Alternative Disinfection project has no funding in the 2009-2013 Proposed CIP, it is anticipated that the project will continue into 2009-2010 with encumbered 2007-2008 funding and be completed during 2009-2010. This will have an impact on the operating budget in 2009-2010, which is supported by the San José-Santa Clara Treatment Plant Operating Fund. This project switches the disinfection method used at the Plant from a chlorine gas and sulfur dioxide system to a safer, alternative liquid sodium hypochlorite and sodium bisulfite system, which reduces the risk of a massive chlorine gas incident. The following table shows the increase in chemical costs as a result of the project. All projects anticipated to be operational in 2008-2009 have been addressed in the 2008-2009 Proposed Operating Budget.

Net Operating Budget Impact Summary

	2009-2010	2010-2011	2011-2012	2012-2013
Alternative Disinfection	<u>\$2,000,000</u>	<u>\$2,075,000</u>	<u>\$2,152,000</u>	<u>\$2,233,000</u>
Total	\$2,000,000	\$2,075,000	\$2,152,000	\$2,233,000

Note: The estimated operating costs have been provided by the Environmental Services Department and have not yet been fully analyzed by the Budget Office. That analysis may well result in different costs when the actual budget for the year in question is formulated.



Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Source of Funds

<u>SOURCE OF FUNDS</u>	Estimated 2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year Total
<u>San José-Santa Clara Treatment Plant Capital Fund</u>							
Beginning Fund Balance	65,822,775	53,645,920	27,052,920	1,004,920	1,003,920	7,819,920	53,645,920 *
Revenue from Other Agencies:							
<u>Federal Government</u>							
- U.S. Bureau of Reclamation Grant (SBWRP)	500,000	500,000					500,000
<u>Water Pollution Control Plant User Agencies</u>							
- 2005 Bond Debt Service Repayment	1,382,000	1,385,000	1,386,000	1,385,000	1,381,000	1,379,000	6,916,000
- Equipment Replacement	591,000	591,000	591,000	591,000	591,000	591,000	2,955,000
- SRF Loan Repayment	1,384,000	1,384,000	1,384,000	1,384,000	1,384,000	1,384,000	6,920,000
- WPCP Projects	12,020,000	8,775,000	20,350,000	5,060,000	7,110,000	11,370,000	52,665,000
Contributions, Loans and Transfers from:							
<u>Special Funds</u>							
- Transfer from Sewage Treatment Plant Connection Fee Fund (539)	3,080,000	3,080,000	3,080,000	3,080,000	3,080,000	3,080,000	15,400,000
- Transfer from Sewer Service and Use Charge Fund (541)	24,697,000	19,638,000	25,643,000	30,640,000	37,623,000	40,616,000	154,160,000
Interest Income	2,800,000	4,126,000	1,316,000	1,479,000	1,201,000	1,207,000	9,329,000
Miscellaneous Revenue							
- Calpine Metcalf Energy Center Facilities Repayment	389,000	389,000	389,000	389,000	389,000	389,000	1,945,000

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Source of Funds

SOURCE OF FUNDS (CONT'D.)	Estimated 2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year Total
<u>San José-Santa Clara Treatment Plant Capital Fund</u>							
Miscellaneous Revenue	367,000						
- Miscellaneous Revenue	20,930,145						
Reserve for Encumbrances							
Total San José-Santa Clara Treatment Plant Capital Fund	133,962,920	93,513,920	81,191,920	45,012,920	53,762,920	67,835,920	304,435,920 *
TOTAL SOURCE OF FUNDS	133,962,920	93,513,920	81,191,920	45,012,920	53,762,920	67,835,920	304,435,920 *

* The 2009-2010 through 2012-2013 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program

Use of Funds

USE OF FUNDS	Estimated 2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year Total
Construction Projects							
Public Art							
1. Public Art	102,000	419,000	630,000	259,000	273,000	450,000	2,031,000
Total Public Art	102,000	419,000	630,000	259,000	273,000	450,000	2,031,000
Water Pollution Control Managed Projects							
Alternative Disinfection	10,375,000						
Dissolved Air Flotation Pressure Retention Tank & Valves	688,000				1,100,000		1,100,000
Filtration Action Plan - Valve Replacement				600,000	2,000,000	6,000,000	8,600,000
Fire Line Replacement	350,000			200,000	200,000	400,000	800,000
Headworks Redundancy Modifications	1,000						
Inactive Lagoons Bio-Solids Removal Study	113,000						
Land Management & Improvements	162,000						
M5, Ring Buss, & Cable Replacement	9,914,000						
Secondary and Nitrification Clarifier Rehabilitation				2,000,000	4,000,000	4,000,000	12,000,000
Technical Services Building	25,000						
WPCP Reliability Improvements	11,733,000						
WPCP Reliability Improvements Phase II						5,000,000	5,000,000
Warehousing Facility Additions				100,000	500,000		600,000
2. Digester Gas Line Replacement	1,100,000					9,000,000	9,000,000
3. Digester Rehabilitation	6,600,000	10,000,000	500,000	9,500,000	10,000,000	10,000,000	40,000,000

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program

Use of Funds

USE OF FUNDS (CONTD.)	Estimated	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year
								Total
Construction Projects								
Water Pollution Control Managed Projects								
4. Environmental Services Building (ESB) Repair			6,000,000					6,000,000
5. Plant Electrical Reliability	5,238,000			44,000,000	5,600,000	500,000	5,000,000	55,100,000
6. SBWR Reservoir Facility		6,000,000						6,000,000
Total Water Pollution Control Managed Projects	46,299,000	22,000,000	55,500,000	18,000,000	17,200,000	31,500,000	144,200,000	
Watershed Protection Managed Projects								
ESD MIS Improvements	317,000							
Lab Information Management System	166,000							
Salt Marsh Restoration	69,000							
7. Revised South Bay Action Plan - SBWR Extension	4,068,000	11,878,000		389,000	389,000	389,000	389,000	13,434,000
Total Watershed Protection Managed Projects	4,620,000	11,878,000	389,000	389,000	389,000	389,000	13,434,000	
Recurring Projects								
8. Equipment Replacement	3,562,000	4,200,000	2,300,000	3,545,000	1,525,000	1,660,000	1,660,000	13,230,000
9. Plant Infrastructure Improvements	11,284,000	7,991,000	7,088,000	7,540,000	9,700,000	13,160,000	13,160,000	45,479,000
10. Unanticipated/Critical Repairs	342,000	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
Total Recurring Projects	15,188,000	12,441,000	9,638,000	11,335,000	11,475,000	15,070,000	59,959,000	
Total Construction Projects	66,209,000	46,738,000	66,157,000	29,983,000	29,337,000	47,409,000	219,624,000	

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program

Use of Funds

	Estimated	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year
	2007-2008						Total
USE OF FUNDS (CONTD.)							
Non-Construction							
General Non-Construction							
CIP Action Team	2,000						
11. Payment for Clean Water Financing Authority Trustee	82,000	82,000	82,000	82,000	82,000	82,000	410,000
12. Plant Master Plan	2,500,000	2,900,000	2,400,000	2,400,000			7,700,000
13. Public Works Capital Management Costs	15,000	12,000	12,000	12,000	12,000	12,000	60,000
14. State Revolving Fund Loan Repayment	4,464,000	4,464,000	4,464,000	4,464,000	4,464,000	4,464,000	22,320,000
15. Transfer to Clean Water Financing Authority Debt Service Payment Fund	7,007,000	7,023,000	7,029,000	7,025,000	7,004,000	6,995,000	35,076,000
Total General Non-Construction	14,070,000	14,481,000	13,987,000	13,983,000	11,562,000	11,553,000	65,566,000
Contributions, Loans and Transfers to Special Funds							
Transfer to City Hall Debt Service Fund	38,000	42,000	43,000	43,000	44,000	35,000	207,000
Total Contributions, Loans and Transfers to Special Funds	38,000	42,000	43,000	43,000	44,000	35,000	207,000
Reserves							
Reserve for Plant Master Plan Improvements					5,000,000	5,000,000	10,000,000
16. Reserve for Equipment Replacement		5,000,000					5,000,000
17. Reserve for Rate Studies		200,000					200,000
Total Reserves		5,200,000			5,000,000	5,000,000	15,200,000
Total Non-Construction Ending Fund Balance	14,108,000	19,723,000	14,030,000	14,026,000	16,606,000	16,588,000	80,973,000
	53,645,920	27,052,920	1,004,920	1,003,920	7,819,920	3,838,920	3,838,920*

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program

Use of Funds

	Estimated 2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	5-Year Total
USE OF FUNDS (CONT'D.)							
TOTAL USE OF FUNDS	133,962,920	93,513,920	81,191,920	45,012,920	53,762,920	67,835,920	304,435,920*

* The 2008-2009 through 2011-2012 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

1. Public Art

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Environmental Services	Initial Completion Date:	Ongoing
Council District:	4	Revised Completion Date:	
Location:	N/A		

Description: This allocation funds the construction and administration of public art in the Water Pollution Control Plant Capital Program. In compliance with the Council adoption of the revised Public Art Master Plan on March 13, 2007, one percent of all construction project funding is required to be allocated to public art, excluding funding for seismic and ADA retrofits, maintenance and operations, non-construction projects (such as studies), or affordable housing. Projects where public art allocations were previously programmed or appropriated are not subject to the revisions of the Public Art Master Plan. Expenditures in this allocation will be subject to the legal revenue restrictions for the use of this funding on public art.

Justification: This allocation is required to comply with the revisions to the Public Art Master Plan adopted by the City Council on March 13, 2007.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Public Art		102	102	419	630	259	273	450	2,031		
TOTAL		102	102	419	630	259	273	450	2,031		

FUNDING SOURCE SCHEDULE (000'S)

San José-Santa Clara Treatment Plant Capital Fund	102	102	419	630	259	273	450	2,031		
TOTAL	102	102	419	630	259	273	450	2,031		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:
N/A

Notes:
Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	5957	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

2. Digester Gas Line Replacement

CSA: Environmental and Utility Services **Initial Start Date:** 4th Qtr. 2007
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Environmental Services **Initial Completion Date:** 2nd Qtr. 2012
Council District: 4 **Revised Completion Date:** 3rd Qtr. 2010
Location: Water Pollution Control Plant

Description: This project will include adding new digester gas lines to replace the existing main digester gas lines that are leaking at the pipe joints.

Justification: The existing main digester gas line is deteriorated to the point that leaks have developed at various points. This project will address safety issues related to leaking digester gas and improve reliability of the system.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Design		1,000	1,000								1,000
Construction					9,000				9,000		9,000
Master Plan/Study		100	100								100
TOTAL		1,100	1,100		9,000				9,000		10,100

FUNDING SOURCE SCHEDULE (000'S)											
San José-Santa Clara Treatment Plant Capital Fund		1,100	1,100		9,000				9,000		10,100
TOTAL		1,100	1,100		9,000				9,000		10,100

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated: 2007-2008 **Redevelopment Area:** N/A
Initial Project Budget: \$10,100,000 **SNI Area:** N/A
Appn. #: 5956 **USGBC LEED:** N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

3. Digester Rehabilitation

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2006
CSA Outcome: Healthy Streams, Rivers, Marsh and Bay **Revised Start Date:** 2nd Qtr. 2008
Department: Environmental Services **Initial Completion Date:** 2nd Qtr. 2008
Council District: 4 **Revised Completion Date:** 4th Qtr. 2018
Location: Water Pollution Control Plant

Description: This project will include structural rehabilitation to address cracks in the existing concrete digestion tanks. This project will also include mechanical rehabilitation and/ or replacement to restore digester performance and facilitate the addition of a fats, oils, and grease receiving station for digesting grease.

Justification: Six out of 16 concrete digesters are currently non-operational due to structural damage and lack of adequate mixing capability. This project will maintain the integrity of the digesters, ensure reliability of the digestion facility, and allow for the digestion of scum and grease.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Design		250	250								250
Construction		6,200	6,200	10,000	500	9,500	10,000	10,000	40,000	40,000	86,200
Master Plan/Study		150	150								150
TOTAL		6,600	6,600	10,000	500	9,500	10,000	10,000	40,000	40,000	86,600

FUNDING SOURCE SCHEDULE (000'S)											
San José-Santa Clara Treatment Plant Capital Fund		6,600	6,600	10,000	500	9,500	10,000	10,000	40,000	40,000	86,600
TOTAL		6,600	6,600	10,000	500	9,500	10,000	10,000	40,000	40,000	86,600

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2008-2012 CIP - increase of \$1.6 million based on revised estimates during initial study.
 2009-2013 CIP - increase of \$84 million to fund construction/rehabilitation costs due to increased project scope.

Notes:

Replaces a formerly ongoing allocation titled "Scum Digestion".

FY Initiated:	2006-2007	Redevelopment Area:	N/A
Initial Project Budget:	\$1,000,000	SNI Area:	N/A
Appn. #:	4127	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

4. Environmental Services Building (ESB) Repair

CSA: Environmental and Utility Services **Initial Start Date:** 2nd Qtr. 2008
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Environmental Services **Initial Completion Date:** 4th Qtr. 2009
Council District: 4 **Revised Completion Date:**
Location: Water Pollution Control Plant

Description: The project will include the correction of water intrusion and infiltration problems, improvement of interior air quality, removal of mold contamination within the building, installation of a new roofing system, and achievement of LEED certification for the repaired building.

Justification: The majority of the existing building is currently not in use as a result of potential health hazards associated with the presence of mold. The repairs provided in this project will restore the facility for beneficial occupancy and use, as well as prevent the recurrence of water infiltration and mold.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Design			50						50		50
Construction				5,950					5,950		5,950
TOTAL				6,000					6,000		6,000

FUNDING SOURCE SCHEDULE (000'S)											
San José-Santa Clara Treatment Plant Capital Fund	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
				6,000					6,000		6,000
TOTAL				6,000					6,000		6,000

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2008-2009	Redevelopment Area:	N/A
Initial Project Budget:	\$6,000,000	SNI Area:	N/A
Appn. #:		USGBC LEED:	Certified

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

5. Plant Electrical Reliability

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 2003
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:** 3rd Qtr. 2007
Department: Environmental Services **Initial Completion Date:** 2nd Qtr. 2015
Council District: 4 **Revised Completion Date:**
Location: Water Pollution Control Plant

Description: This project will include a multi-phase construction schedule based upon a study completed in 2004. The project will replace substations and switches, modify power distribution buses and cabling, and provide backup systems to enhance the overall safety and reliability of the plant electrical systems.

Justification: The current power distribution network has grown in a patched manner over the years, and many electrical system components have reached the end of their service life. This project will address immediate safety needs, as well as provide for future reliability needs.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Design		5,238	5,238								5,238
Construction				44,000	5,600	500	5,000		55,100	20,000	75,100
TOTAL		5,238	5,238	44,000	5,600	500	5,000		55,100	20,000	80,338

FUNDING SOURCE SCHEDULE (000'S)											
San José-Santa Clara Treatment Plant Capital Fund		5,238	5,238	44,000	5,600	500	5,000		55,100	20,000	80,338
TOTAL		5,238	5,238	44,000	5,600	500	5,000		55,100	20,000	80,338

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2005-2009 CIP - increase of \$33.5 million (total project cost) to fund construction/rehabilitation costs due to increased project scope.
 2007-2011 CIP - increase of \$15.6 million (total project cost) to fund construction/rehabilitation costs due to increased project scope.
 2008-2012 CIP - increase of \$26.5 million (total project cost) to fund construction/rehabilitation costs due to increased project scope.
 2009-2013 CIP - decrease of \$3 million (total project cost) to fund construction/rehabilitation costs due to project scope change.

Notes:

Replaces a formerly ongoing allocation titled "Electrical System Improvements".

FY Initiated:	2003-2004	Redevelopment Area:	N/A
Initial Project Budget:	\$7,671,000	SNI Area:	N/A
Appn. #:	4341	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

6. SBWR Reservoir Facility

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2008
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	1st Qtr. 2009
Department:	Environmental Services	Initial Completion Date:	2nd Qtr. 2010
Council District:	4	Revised Completion Date:	2nd Qtr. 2011
Location:	Water Pollution Control Plant		

Description: The South Bay Advanced Recycled Water Treatment facility project is a jointly funded project with the Santa Clara Valley Water District (SCVWD) and includes construction of all facilities necessary to produce 8 million gallons of high-purity, recycled water that will be blended with the existing recycled water supply. The project includes 10 million gallons per day (MGD) of microfiltration (MF) capacity, 8 MGD of Reverse Osmosis (RO) capacity, and 10 MGD of Ultra Violet (UV) disinfection capacity. The project will also include all site work, structural, architectural, geotechnical, building mechanical, pumping, piping, controls and instrumentation, chemical storage and delivery systems, product storage tanks, and electrical improvements necessary to provide a fully functioning system.

Justification: Construction of the facility will improve the reliability for the production of recycled water, and improve the recycled water quality to the level established by the SCVWD.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Construction			6,000						6,000		6,000
TOTAL			6,000						6,000		6,000

FUNDING SOURCE SCHEDULE (000'S)

San José-Santa Clara Treatment Plant Capital Fund											
			6,000						6,000		6,000
TOTAL			6,000						6,000		6,000

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

Formally titled "South Bay Water Recycling Water Storage Facility".

FY Initiated:	2007-2008	Redevelopment Area:	N/A
Initial Project Budget:	\$6,000,000	SNI Area:	N/A
Appn. #:		USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

7. Revised South Bay Action Plan - SBWR Extension

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Healthy Streams, Rivers, Marsh and Bay	Revised Start Date:	
Department:	Environmental Services	Initial Completion Date:	Ongoing
Council District:	4	Revised Completion Date:	
Location:	Water Pollution Control Plant		

Description: The National Pollutant Discharge Elimination System (NPDES) permit requires continued development of the South Bay Water Recycling (SBWR) system to increase use of recycled water and further reduce Plant discharge. This allocation will fund the development and future construction of an advanced water treatment facilities in partnership with the Santa Clara Valley Water District. In addition, this allocation funds future recycled water projects not yet identified.

Justification: The Revised SBAP, adopted by the Council in June 2001, provides for an integrated, cost-effective combination of water conservation, industrial reuse and water recycling projects. The SBWR Extension Project includes construction of extensions to the existing recycled water distribution system that will provide additional capacity and ensure diversification of a beneficial resource while reducing flow to the Bay.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Development Property & Land Design Construction		13,369	4,068	11,878	389	389	389	389	13,434		
TOTAL		13,369	4,068	11,878	389	389	389	389	13,434		

FUNDING SOURCE SCHEDULE (000'S)

San José-Santa Clara Treatment Plant Capital Fund	13,369	4,068	11,878	389	389	389	389	13,434
TOTAL	13,369	4,068	11,878	389	389	389	389	13,434

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project. A \$389,000 annual allocation beginning in 2005-2006 represents recycled water pipeline funding from Calpine for their share of the pipeline to the Metcalf Energy Center. This allocation is anticipated to fund future recycled water projects.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	6589	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

8. Equipment Replacement

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Environmental Services	Initial Completion Date:	Ongoing
Council District:	4	Revised Completion Date:	
Location:	Water Pollution Control Plant		

Description: This project provides for the replacement and rehabilitation of WPCP equipment. Equipment anticipated to be replaced or rehabilitated within the five-year horizon includes air compressors, tanks, pumps, motors, control systems, valves, heat exchangers, engine auxiliaries, lab instruments and other equipment as required. Existing engine-generators and engine-blowers will be retrofitted to meet Air Quality Board emission requirements.

Justification: Replacement and rehabilitation of WPCP equipment is necessary as a result of wear, obsolescence or regulatory requirements. Replacement and rehabilitation will ensure continued efficient operation of the Plant facilities.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Equipment		3,562	3,562	4,200	2,300	3,545	1,525	1,660	13,230		
TOTAL		3,562	3,562	4,200	2,300	3,545	1,525	1,660	13,230		

FUNDING SOURCE SCHEDULE (000'S)											
San José-Santa Clara Treatment Plant Capital Fund		3,562	3,562	4,200	2,300	3,545	1,525	1,660	13,230		
TOTAL		3,562	3,562	4,200	2,300	3,545	1,525	1,660	13,230		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4332	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

9. Plant Infrastructure Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Environmental Services	Initial Completion Date:	Ongoing
Council District:	4	Revised Completion Date:	
Location:	Water Pollution Control Plant		

Description: This project provides for improvements, rehabilitation, or replacement of existing Plant infrastructure and fixed works; process facilities; buildings, structures and supporting facilities; piping and auxiliaries; instrumentation; and electrical generation, distribution and control systems.

Justification: Rehabilitation, improvements, and replacement of capital infrastructure are necessary to maintain process viability and to ensure regulatory compliance, structural integrity, reliability, functionality, and safety of Plant buildings and process facilities for intended uses.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Construction		15,262	11,284	7,991	7,088	7,540	9,700	13,160	45,479		
TOTAL		15,262	11,284	7,991	7,088	7,540	9,700	13,160	45,479		

FUNDING SOURCE SCHEDULE (000'S)

San José-Santa Clara Treatment Plant Capital Fund	15,262	11,284	7,991	7,088	7,540	9,700	13,160	45,479
TOTAL	15,262	11,284	7,991	7,088	7,540	9,700	13,160	45,479

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	5690	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

10. Unanticipated/Critical Repairs

CSA: Environmental and Utility Services **Initial Start Date:** Ongoing
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Environmental Services **Initial Completion Date:** Ongoing
Council District: 4 **Revised Completion Date:**
Location: Water Pollution Control Plant

Description: This allocation provides funding for any unanticipated and/or critical repairs.

Justification: It is necessary to have funds available to pay for unforeseen conditions discovered during any project construction phase or repairs to Plant infrastructure to quickly respond to needs.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Construction		342	342	250	250	250	250	250	1,250		
TOTAL		342	342	250	250	250	250	250	1,250		
FUNDING SOURCE SCHEDULE (000'S)											
San José-Santa Clara Treatment Plant Capital Fund		342	342	250	250	250	250	250	1,250		
TOTAL		342	342	250	250	250	250	250	1,250		
ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	5691	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

11. Payment for Clean Water Financing Authority Trustee

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Environmental Services	Initial Completion Date:	Ongoing
Council District:	4	Revised Completion Date:	
Location:	Water Pollution Control Plant		

Description: This project provides for administrative costs of the San José/Santa Clara Clean Water Financing Authority related to bond issues, including necessary audits, transfers, registration, investment, and disbursement fees.

Justification: Services from the Clean Water Financing Authority are necessary to administer financing issued for the Plant.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Program Management		82	82	82	82	82	82	82	410		
TOTAL		82	82	82	82	82	82	82	410		

FUNDING SOURCE SCHEDULE (000'S)

San José-Santa Clara Treatment Plant Capital Fund	82	82	82	82	82	82	82	82	410	
TOTAL	82	82	82	82	82	82	82	82	410	

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated:	Ongoing	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	6584	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

12. Plant Master Plan

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2006
CSA Outcome:	Healthy Streams, Rivers, Marsh and Bay	Revised Start Date:	3rd Qtr. 2007
Department:	Environmental Services	Initial Completion Date:	2nd Qtr. 2008
Council District:	4	Revised Completion Date:	1st Qtr. 2011
Location:	Water Pollution Control Plant		

Description: There is a need for development of a Plant Master Plan (PMP). The PMP would provide SJ/SC WPCP with a phased program of recommended wastewater treatment facilities and management programs to accommodate planned growth and to meet existing and anticipated regulatory requirements through the year 2040. The PMP will need to address both public health and environmental protection issues while ensuring reliable service at affordable rates for area customers. The cost is projected at \$10 million.

Justification: Since the Plant is over 50 years old, major infrastructure upgrades are needed in the short- and long-term. A single Plant Master Plan will ensure the continuity and integration of major Plant facilities planning, construction, and operation, for the next 30 years with a common set of goals and objectives to meet public health, regulatory, and community objectives.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study		2,500	2,500	2,900	2,400	2,400			7,700		10,200
TOTAL		2,500	2,500	2,900	2,400	2,400			7,700		10,200

FUNDING SOURCE SCHEDULE (000'S)

San José-Santa Clara Treatment Plant Capital Fund	2,500	2,500	2,900	2,400	2,400			7,700		10,200
TOTAL	2,500	2,500	2,900	2,400	2,400			7,700		10,200

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2008-2012 CIP - increase of \$5 million due to the changed project scope to cover all of the Plant's process, operations, and land uses.

2009-2013 CIP - increase of \$4.2 million due to the changed project scope to cover outreach and environmental regulation clearance.

Notes:

Replaces the formerly titled "Bio-solids Master Plan".

FY Initiated:	2006-2007	Redevelopment Area:	N/A
Initial Project Budget:	\$1,000,000	SNI Area:	N/A
Appn. #:	4120	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

13. Public Works Capital Management Costs

CSA: Environmental and Utility Services **Initial Start Date:** Ongoing
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Public Works **Initial Completion Date:** Ongoing
Council District: 4 **Revised Completion Date:**
Location: N/A

Description: This allocation funds the fair share of Public Works Department administrative and management costs necessary to ensure the delivery of capital projects.

Justification: This allocation is required to recover the actual administrative and management costs incurred when delivering capital projects.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Program Management			15	12	12	12	12	12	60		
TOTAL			15	12	12	12	12	12	60		

FUNDING SOURCE SCHEDULE (000'S)											
San José-Santa Clara Treatment Plant Capital Fund			15	12	12	12	12	12	60		
TOTAL			15	12	12	12	12	12	60		

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project.

FY Initiated: Ongoing **Redevelopment Area:** N/A
Initial Project Budget: **SNI Area:** N/A
Appn. #: 6000 **USGBC LEED:** N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

14. State Revolving Fund Loan Repayment

CSA: Environmental and Utility Services **Initial Start Date:** 3rd Qtr. 1998
CSA Outcome: Healthy Streams, Rivers, Marsh and Bay **Revised Start Date:**
Department: Environmental Services **Initial Completion Date:** 2nd Qtr. 2019
Council District: 4 **Revised Completion Date:**
Location: Water Pollution Control Plant

Description: This allocation provides for the repayment of low interest State loans awarded for South Bay Water Recycling projects.

Justification: This is a contractual obligation. The loans will be repaid over a 20-year period.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Debt Service	36,921	4,464	4,464	4,464	4,464	4,464	4,464	4,464	22,320	23,828	87,533
TOTAL	36,921	4,464	4,464	4,464	4,464	4,464	4,464	4,464	22,320	23,828	87,533
FUNDING SOURCE SCHEDULE (000'S)											
San José-Santa Clara Treatment Plant Capital Fund	36,921	4,464	4,464	4,464	4,464	4,464	4,464	4,464	22,320	23,828	87,533
TOTAL	36,921	4,464	4,464	4,464	4,464	4,464	4,464	4,464	22,320	23,828	87,533
ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

Major Changes in Project Cost:

None

Notes:

FY Initiated:	1998-1999	Redevelopment Area:	N/A
Initial Project Budget:	\$87,533,000	SNI Area:	N/A
Appn. #:	6590	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

15. Transfer to Clean Water Financing Authority Debt Service Payment Fund

CSA: Environmental and Utility Services **Initial Start Date:** 2nd Qtr. 1996
CSA Outcome: Healthy Streams, Rivers, Marsh and Bay **Revised Start Date:**
Department: Environmental Services **Initial Completion Date:** 4th Qtr. 2020
Council District: 4 **Revised Completion Date:**
Location: Water Pollution Control Plant

Description: This funding provides for the transfer of funds for the payment of the 1995 Series A and B Revenue Bonds to the Clean Water Financing Authority Debt Service Payment Funds.

Justification: Repayment of bonds is a requirement of the bonding agreement.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Debt Service	14,881	7,007	7,007	7,023	7,029	7,025	7,004	6,995	35,076	27,962	84,926
TOTAL	14,881	7,007	7,007	7,023	7,029	7,025	7,004	6,995	35,076	27,962	84,926

FUNDING SOURCE SCHEDULE (000'S)											
San José-Santa Clara Treatment Plant Capital Fund	14,881	7,007	7,007	7,023	7,029	7,025	7,004	6,995	35,076	27,962	84,926
TOTAL	14,881	7,007	7,007	7,023	7,029	7,025	7,004	6,995	35,076	27,962	84,926

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2007-2011 CIP - Increase of \$73 million. This reflects a number of actions: 1) Beginning 2006-2007, the San José portion of the debt service payment of \$5.5 million annually will be included in this fund. This was previously reflected in the Sewer and Service Use Charge Fund. 2) Bond A was refinanced on 11/15/2005 and Bond B was refinanced on 12/07/2005. These refinancings resulted in a savings of \$24,325,971. 3) Beginning in 2008-2009, the amount includes a forecast of additional bond debt of \$50 million for the Electrical Reliability Project.

2008-2012 CIP - Decrease of \$25 million to reflect the dropping of the \$50 million bond for the Plant Electrical Reliability Project.

Notes:

FY Initiated:	2001-2002	Redevelopment Area:	N/A
Initial Project Budget:	\$34,851,000	SNI Area:	N/A
Appn. #:	0005	USGBC LEED:	N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

16. Reserve for Equipment Replacement

CSA: Environmental and Utility Services **Initial Start Date:** N/A
CSA Outcome: Reliable Utility Infrastructure **Revised Start Date:**
Department: Environmental Services **Initial Completion Date:** N/A
Council District: 4 **Revised Completion Date:**
Location: Water Pollution Control Plant

Description: Funding provides a reserve for replacement and rehabilitation of equipment which, due to age, wear, or obsolescence, must be replaced for the efficient operation of the Plant. Reserved funds are available to pay for unforeseen extraordinary costs to the extent that there are no other funds budgeted for such purposes.

Justification: Provisions of the Improvement Agreement between the San José/Santa Clara Clean Water Financing Authority and bondholders, as well as the adopted Master Agreements for Wastewater Treatment with the various tributary agencies, require that replacement funds be segregated.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Reserve		5,000		5,000					5,000		
TOTAL		5,000		5,000					5,000		

FUNDING SOURCE SCHEDULE (000'S)

San José-Santa Clara Treatment Plant Capital Fund		5,000		5,000					5,000		
TOTAL		5,000		5,000					5,000		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Unexpended funds are rebudgeted each year.

FY Initiated: Ongoing **Redevelopment Area:** N/A
Initial Project Budget: **SNI Area:** N/A
Appn. #: 8908 **USGBC LEED:** N/A

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Detail of Capital Projects

17. Reserve for Rate Studies

CSA:	Environmental and Utility Services	Initial Start Date:	N/A
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Environmental Services	Initial Completion Date:	N/A
Council District:	4	Revised Completion Date:	
Location:	Water Pollution Control Plant		

Description: This funding provides for a reserve for the study and review of rate structures within the industry.

Justification: Future uncertainty requires that provisions be made to ensure the continual operation of the facility. As a result, future costs and revenues must be controlled and managed. Rate studies are needed periodically to assess the industry norms and anticipate future changes whenever possible.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
Reserve		200		200					200		200
TOTAL		200		200					200		200

FUNDING SOURCE SCHEDULE (000'S)											
Cost Elements	Prior Years	2007-08 Appn.	2007-08 Estimate	2008-09	2009-10	2010-11	2011-12	2012-13	5-Year Total	Beyond 5-Year	Project Total
San José-Santa Clara Treatment Plant Capital Fund		200		200					200		200
TOTAL		200		200					200		200

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2003-2004	Redevelopment Area:	N/A
Initial Project Budget:		SNI Area:	N/A
Appn. #:	4674	USGBC LEED:	N/A



Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Summary of Projects that Start after 2008-2009

Project Name: Dissolved Air Flotation Pressure Retention Tank & Valves	Council District: 4
5-Year CIP Budget: \$1,100,000	Estimated Start Date: 2nd Qtr. 2005
Total Budget: \$2,388,000	Estimated End Date: 4th Qtr. 2016
USGBC LEED: N/A	

Description: This project will replace 15 of the 16 pressurized tanks and their valves located in the sludge processing area. Four tanks will be replaced every two years.

Project Name: Filtration Action Plan - Valve Replacement	Council District: 4
5-Year CIP Budget: \$8,600,000	Estimated Start Date: 3rd Qtr. 2010
Total Budget: \$8,600,000	Estimated End Date: 4th Qtr. 2013
USGBC LEED: N/A	

Description: This project will involve replacing leaking valves in the filtration building. There are a total of 108 valves, including backwash, isolation, drain, influent, and surface wash valves.

Project Name: Fire Line Replacement	Council District: 4
5-Year CIP Budget: \$800,000	Estimated Start Date: 3rd Qtr. 2006
Total Budget: \$1,150,000	Estimated End Date: 2nd Qtr. 2012
USGBC LEED: N/A	

Description: The project will replace a total of 14,400 ft. of ductile iron pipe, 34 fire hydrants, 34 gate valves, and will add additional isolation valves that are not currently in the system.

Project Name: Reserve for Plant Master Plan Improvements	Council District: 4
5-Year CIP Budget: \$10,000,000	Estimated Start Date: 3rd Qtr. 2011
Total Budget: \$60,000,000	Estimated End Date: 4th Qtr. 2019
USGBC LEED: N/A	

Description: This reserve will set aside future funding for the Plant Master Plan and Improvements project.

Project Name: Secondary and Nitrification Clarifier Rehabilitation	Council District: 4
5-Year CIP Budget: \$12,000,000	Estimated Start Date: 3rd Qtr. 2009
Total Budget: \$32,000,000	Estimated End Date: 4th Qtr. 2018
USGBC LEED: N/A	

Description: This project will include systematic rehabilitation of existing secondary and nitrification clarifiers, including coating of concrete and rehabilitation of clarifier mechanisms. This project will maintain the integrity and ensure the reliability of the existing system.

Water Pollution Control Capital Program
2009-2013 Proposed Capital Improvement Program
Summary of Projects that Start after 2008-2009

Project Name: WPCP Reliability Improvements
Phase II
5-Year CIP Budget: \$5,000,000
Total Budget: \$35,000,000
USGBC LEED N/A

Council District: 4
Estimated Start Date: 3rd Qtr. 2012
Estimated End Date: 4th Qtr. 2017

Description: This project will include the rehabilitation of the existing older headworks, including coating of concrete and rehabilitation or replacement of existing pretreatment equipment. This project will maintain the integrity and ensure the reliability of the existing system.

Project Name: Warehousing Facility Additions
5-Year CIP Budget: \$600,000
Total Budget: \$600,000
USGBC LEED N/A

Council District: 4
Estimated Start Date: 3rd Qtr. 2010
Estimated End Date: 2nd Qtr. 2012

Description: This project will include an assessment of current inventory control program and inventory storage needs and provide for covered storage facilities for wastewater treatment spare equipment, parts, and materials.
