



Department Description

The Storm Water Department leads the City's efforts to protect and improve the water quality of rivers, creeks, bays, and the ocean. The Department's efforts are conducted in compliance with the Municipal Storm Water Permit and other surface water quality regulations and orders issued by the State of California. The Department's priorities are to: (1) identify sources of pollution and abate them through the implementation of innovative and efficient public education, watershed management, storm water development regulations, monitoring, investigation, enforcement, and Citywide training programs; and (2) provide the most efficient storm drain system operation and maintenance services to San Diego's residents, businesses, and visitors.

The City of San Diego has over 48,000 storm drain structures and over 700 miles of drainage pipe. The Department is responsible for inspection, maintenance, and repair of the storm drain system in the public right-of-way and in drainage easements. This includes clearing blocked drains, removing debris from storm drain structures, and cleaning and repairing damaged drainpipes. In addition, the Department manages maintenance efforts for 84 miles of drainage channels and ditches located throughout the City.

The Department is also responsible for street sweeping efforts geared toward reducing pollutants found on City roadways. The sweeping program helps remove paper, leaves, and other debris that collects in gutters and can potentially clog the storm drains during rains. Sweeping also helps to reduce metal particles and other hazardous waste products left by passing vehicles. Motorized sweeping removes an average of 4,400 tons of debris from the street annually before it goes into the storm drains. The City currently has over 2,700 miles of improved streets that are included in the sweeping program. The Department has 29 street sweepers and 24 operators with a support staff of truck drivers and parking enforcement officers.

The Department's mission is:

To protect and improve water quality through efficient system maintenance and model storm water programs

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Goals and Objectives

Fiscal Year 2010 goals and objectives are reprinted here as they were originally adopted. They have not been updated to reflect mid-year budget reductions, as implementation of those changes will occur in phases during the remainder of Fiscal Year 2010, making it difficult to provide reliable projections of service levels and performance targets. Additionally, an effort is currently underway to update the City's Strategic Plan goals and objectives, which may also alter the City's objectives, strategies, and performance expectations for the remainder of Fiscal Year 2010 and beyond.

Goal 1: Identify, reduce, and eliminate pollutants in urban run-off and storm water

Pollution in urban run-off has the potential to harm the region's creeks, beaches, and bays and threatens its social and economic quality of life. Preserving San Diego's natural water resources is one of the most important goals of the City of San Diego. The Storm Water Department is designated as the lead City agency to achieve this goal. The Department will move toward accomplishing this goal by focusing on the following objectives.

- Promote City compliance with all storm water permits and other regulations
- Implement construction and development storm water regulations
- Streamline enforcement processes to deliver enhanced customer service

Goal 2: Deliver efficient Operations and Maintenance (O&M) storm water programs and services

The Storm Water Department has a responsibility to the citizens of San Diego to provide storm water services in an efficient and effective manner making the most of resources that are made available to the Department. The Department will move toward accomplishing this goal by focusing on the following objective.

- Provide effective and efficient maintenance

Goal 3: Implement efficient pollution prevention programs and services

Storm water regulations have an effect across the City and the region. It is imperative that the Storm Water Department collaborate with all different groups both within the City and the region in order to have comprehensive storm water efforts that will benefit the City and the environment. The Department will move toward accomplishing this goal by focusing on the following objectives.

- Recommend improvements to maximize the efficiency of our storm water programs
- Collaborate with stakeholders to proactively influence new regulations
- Conduct education outreach and public participation activities
- Streamline department procurement and contracting processes
- Streamline department budget execution process

Service Efforts and Accomplishments

Asset Management and Planning

The Asset Management and Planning Section is responsible for the planning of all capital improvement projects for the Department. The Section is currently managing 45 projects. These projects are either flood control or water quality improvement-related. The flood control projects are typically locations of failed existing storm drains (i.e., pipes, channels or outfalls). The water quality projects are typically locations involving capturing and/or treating storm runoff to reduce pollutants from reaching our creeks, bays, and beaches. Additionally, the Section is responsible for maintaining the storm drain asset inventory and an ongoing condition assessment of the drainage system. In Fiscal Year 2010, the Section completed an update to the inventory of new storm drain assets throughout the City.

Construction & Development Standards

The Construction & Development Standards Section is responsible for the implementation of regulations for construction and land development in accordance with the 2007 Municipal Permit. The Section accomplishes this responsibility through continuous coordination with other City departments that plan, design, construct, and inspect

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public and private development projects. Additionally, the Section is responsible for updating the City's Storm Water Standards (a component of the Land Development Manual) to ensure compliance with the Storm Water Municipal Permit.

Under this effort, the Section participated with the other 21 co-permittees to update the Regional Standards and successfully submitted the updated Model Standard Urban Storm Water Mitigation Plan to the Regional Water Quality Control Board (RWQCB). The co-permittees were successful in obtaining RWQCB approval. The City's Storm Water Standards are in conformance with the updated model document. The Section is also participating in a co-permittees working group to develop the Hydromodification Management Plan (HMP) which was submitted to the RWQCB on time in December 2009.

The Section continues to manage the treatment control Best Management Practices (BMP) inspection that was established last year to meet the requirements of the 2007 Municipal Permit. This section also continues to evaluate and refine processes related to the successful implementation of the Storm Water Standards by providing client departments with training, guidance, and implementation tools.

Education and Outreach

The Education and Outreach Section is responsible for maintaining and expanding the award-winning *Think Blue* public communication campaign. The Section is also responsible for the City's outreach and education efforts related to permit requirements at the jurisdictional, watershed, and regional levels. The Section employs reliable research to develop and deploy effective communication programs through both targeted and mass-media. With a mandate to inform more than 3.0 million local residents, the Section partners with other local organizations and sponsors popular activities such as December Nights, the Padres, the Jazz Festival, the Filipino-American Festival, and the San Diego State Aztecs. This section also conducts training for new employees, field crews, and administrative staff. It manages the Project SWELL curriculum in the San Diego Unified School District and is working to maximize storm water pollution prevention through innovative community-based social marketing efforts.

Enforcement and Inspections

During Calendar Year 2010, the Code Compliance Officers (CCOs) conducted 1,639 investigations of illegal discharges resulting in 312 Notices of Violation, 217 Administrative Citations, and 15 Notices of Violation for Civil Penalties. The process for determining violations of the Municipal Code Storm Water Ordinances was streamlined through the development of an Administrative Citation fine matrix. This allowed for less reliance on civil penalties and more issuance of administrative citations. In addition, two cases of illegal discharge were taken to the City Attorney's Office for investigation on criminal charges. The CCOs also continue to maintain a 75 percent rate of investigating hotline discharge complaints within a 48-hour response time. High priority discharge activities on industrial or commercial sites are investigated within 48 hours from the time of discharge. Inspection of required Best Management Practices (BMPs) has resulted in the issuance of Notice of Violations to both industrial and commercial sites. The Enforcement and Inspections Section has successfully added an integrated comprehensive database system tracking both enforcement and inspection activities into the City's OneSD system, which further protects the City's water quality in those areas.

Program Management

The Program Management Section's responsibilities include two primary areas: first, planning and coordinating the implementation of integrated, watershed-based implementation programs (called Watershed Urban Runoff Management Programs) designed to address Municipal Storm Water Permit, Total Maximum Daily Load (TMDL), and Areas of Special Biological Significance (ASBS) regulations; and second, coordinating the planning, implementation, assessment, and compliance reporting of the City's Jurisdictional Urban Runoff Management Program with departments citywide. As part of the Watershed Urban Runoff Management Programs, the Section managed the planning or implementation of 11 watershed demonstration projects including: a targeted street sweeping project, a pet waste bag dispenser demonstration project, a rain barrel demonstration project at eight City buildings designed to capture roof runoff for landscape irrigation, a targeted business pilot study designed to assess

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and improve the effectiveness of the inspections, four low flow diversions, and a storm water infiltration project in the La Jolla Shores ASBS area. As part of the Jurisdictional Urban Runoff Management Program, the Section provided technical assistance to City staff in implementing their storm water requirements and interfaced with the Regional Water Quality Control Board during annual compliance reporting and auditing.

Policy Development and Monitoring

The Policy Development Section is responsible for interpreting and negotiating new storm water regulations and legislation that affect the City. This section participated with the Regional and State Water Boards, Environmental Protection Agency (EPA), and interested stakeholders in the development of Cleanup and Abatement Orders, regional monitoring programs, Areas of Special Biological Significance (ASBS), and Total Maximum Daily Loads (TMDLs) regulations to improve water quality in our creeks, beaches, and bays. Policy Development has commented on draft Basin Plan amendments and the State Water Board draft enforcement policies. The Monitoring Section is responsible for conducting permit-required monitoring for the Coastal, Dry Weather, and Illicit Discharge Detection and Elimination (IDDE) programs. Staff visits approximately 750 sites a year as part of the dry weather program and approximately 151 sites a month as part of the coastal monitoring program. The IDDE program requires the City to investigate exceedances in water quality sampling standards within 1-2 business days. The Department participates in these efforts to develop regulations that maximize the protection and improvement of water quality and to improve the quality of life for our citizens and visitors in a cost-effective manner.

Storm Drain Operations and Maintenance

The Storm Drain Section is responsible for the maintenance and repair of the City's storm drain system including the maintenance and operation of 15 storm water pump stations. The Section receives and responds to over 13,000 service requests annually. The Section removes approximately 5,200 tons of debris from storm drains and channels annually. During the fall of 2009, the Department expeditiously acquired environmental permits from all necessary regulatory agencies and performed maintenance on the Tijuana River Valley Pilot Channel. During this project, crews removed approximately 22,000 tons of sediment, trash, and debris from this area. In an effort to gain access and perform maintenance to all of the City's drainage channels, staff is pursuing long-term maintenance permits from these same regulatory agencies. In conjunction with the Engineering and Capital Projects Department and the City Attorney's Office, the Section issues Right-of-Entry permits needed for non-City personnel to perform work on public property and works closely with community groups, volunteers, and private organizations on cleaning and removing trash from storm drain channels. The Section is also responsible for issuing inclement weather reports and identifying storm condition operational procedures.

Street Sweeping

The Street Sweeping Section is responsible for sweeping all improved City streets using motorized sweepers. Street sweeping provides two primary benefits to the City. The more obvious benefit is the collection and removal of paper, leaves, and other visible debris that collect in the gutters. This debris can block storm water facilities causing localized flooding during heavy rains. An equally important, but less visible benefit is the removal of metal particles and other hazardous waste products left by passing vehicles. Although they are virtually invisible, these particles can be extremely harmful to fish and other wildlife if they reach the creeks, rivers, beaches, and bays. Street sweeping is an effective method of removing both the large and microscopic pollutants that collect on City streets. Approximately 4,400 tons of debris is removed annually from the streets preventing it from passing into the storm drain system. The Section's staff also works closely with residents to establish parking restrictions for sweeping, recommend appropriate sweeping times, determine the number of needed signs, and adjust the route accordingly.

Department Summary

	FY2010 Budget	FY2011 Proposed	FY2010–2011 Change
Positions	120.00	121.82	1.82
Personnel Expenses	10,111,383	10,430,523	319,140
Non-Personnel Expenses	27,539,865	24,934,362	(2,605,503)
Total Department Expenses	37,651,248	35,364,885	(2,286,363)
Total Department Revenue	9,109,240	9,116,858	7,618

General Fund

Department Expenditures

	FY2010 Budget	FY2011 Proposed	FY2010–2011 Change
Pollution Prevention	20,047,951	17,780,062	(2,267,889)
Storm Drain Operations & Maintenance	15,497,864	15,698,282	200,418
Administration	2,105,433	1,886,541	(218,892)
Fund Total	37,651,248	35,364,885	(2,286,363)

Department Personnel

	FY2010 Budget	FY2011 Proposed	FY2010–2011 Change
Pollution Prevention	36.00	35.82	(0.18)
Storm Drain Operations & Maintenance	72.00	73.00	1.00
Administration	12.00	13.00	1.00
Fund Total	120.00	121.82	1.82

Significant Budget Adjustments

	FTE	Expenditure	Revenue
Support for Safety and Maintenance of Visitor-Related Facilities Support to reimburse the General Fund for expenditures associated with the safety and maintenance of visitor-related facilities.	0.00	0	(959,149)
One-Time Reduction Adjustment to reflect the removal of one-time revenues and expenditures implemented in Fiscal Year 2010.	0.00	(959,149)	0
Storm Water Regional Permit Fee Addition Adjustment to reflect the amount of the annual Storm Water Regional Permit fee previously paid from the Storm Drain Fund.	0.00	471,984	0
Revised Revenue Adjustment to reflect Fiscal Year 2011 revenue projections.	0.00	0	966,767
Adjustment to Hourly Personnel Funding Funding allocated according to a zero-based annual review of hourly funding requirements.	1.82	46,983	0

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Significant Budget Adjustments

	FTE	Expenditure	Revenue
Adjustment to Contracts and Equipment Outlay	0.00	18,146,671	0
Funding allocated according to a zero-based annual review of contract and equipment outlay requirements.			
Budget Adjustments Total	1.82	17,706,489	7,618

Expenditures by Category

	FY2010 Budget	FY2011 Proposed	FY2010-2011 Change
PERSONNEL			
Salaries and Wages	6,635,620	6,218,928	(416,692)
Fringe Benefits	3,475,763	4,211,595	735,832
SUBTOTAL PERSONNEL	10,111,383	10,430,523	319,140
NON-PERSONNEL			
Supplies	619,879	619,879	0
Contracts	24,833,376	22,511,296	(2,322,080)
Information Technology	272,552	324,751	52,199
Energy and Utilities	29,015	279,908	250,893
Other	1,626,543	1,062,551	(563,992)
Capital Expenditures	158,500	135,977	(22,523)
SUBTOTAL NON-PERSONNEL	27,539,865	24,934,362	(2,605,503)
Total	37,651,248	35,364,885	(2,286,363)

Revenues by Category

	FY2010 Budget	FY2011 Proposed	FY2010-2011 Change
Fines, Forfeitures, and Penalties	2,940,000	2,940,000	0
Charges for Current Services	1,154,261	195,112	(959,149)
Other Financial Sources (Uses)	5,014,979	5,981,746	966,767
Total	9,109,240	9,116,858	7,618

Department Personnel Expenditures

Job Number	Job Title	FY2010 Budget	FY2011 Proposed	Salary Range	Total
20000011	Account Clerk	2.00	2.00	31,491 - 37,918	69,442
20000015	Sr Mgmt Anlyst	1.00	1.00	59,363 - 71,760	69,966
20000024	Administrative Aide 2	1.00	1.00	42,578 - 51,334	50,051
20000070	Asst Eng-Civil	2.00	2.00	57,866 - 69,722	135,519
20000119	Asoc Mgmt Anlyst	1.00	1.00	54,059 - 65,333	63,700
20000143	Asoc Eng-Civil	3.00	3.00	66,622 - 80,454	232,493
20000162	Asoc Planner	4.00	4.00	56,722 - 68,536	265,236
20000172	Payroll Spec 1	1.00	1.00	33,093 - 39,832	35,186

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Department Personnel Expenditures (Cont'd)

Job Number	Job Title	FY2010 Budget	FY2011 Proposed	Salary Range	Total
20000236	Cement Finisher	1.00	1.00	43,451 - 52,083	52,083
20000293	Info Sys Anlyst 3	1.00	1.00	59,363 - 71,760	0
20000306	Code Compliance Ofcr	1.00	1.00	37,232 - 44,803	43,683
20000323	Wstwtr Pretrmt Inspctr 2	2.00	0.00	55,078 - 66,768	0
20000324	Wstwtr Pretrmt Inspctr 2(Strm Wtr Ins 2)	0.00	2.00	55,078 - 66,768	124,453
20000418	Equip Tech 1	2.00	2.00	36,005 - 43,139	86,278
20000423	Equip Tech 2	1.00	1.00	39,499 - 47,091	45,341
20000426	Equip Operator 1	4.00	2.00	37,690 - 45,115	45,115
20000429	Equip Oper 1(Sewer Maint Equip Oper)	0.00	2.00	37,690 - 45,115	90,230
20000430	Equip Operator 2	1.00	1.00	41,350 - 49,462	49,462
20000436	Equip Operator 3	2.00	2.00	43,160 - 51,667	103,334
20000461	Field Rep	1.00	1.00	32,323 - 38,917	36,776
20000501	Heavy Truck Drvr 2	5.00	5.00	37,565 - 45,302	220,465
20000523	Wstwtr Pretrmt Prgm Mgr	1.00	0.00	72,966 - 88,546	0
20000526	Wstwtr Pretrmt Prgm Mgr(SW Insp Pgm Mgr)	0.00	1.00	72,966 - 88,546	79,123
20000539	Clerical Asst 2	2.00	2.00	29,931 - 36,067	69,248
20000557	Recycling Prgm Mgr	2.00	2.00	76,731 - 92,893	174,109
20000646	Motor Sweeper Supv	1.00	1.00	46,571 - 55,786	52,717
20000648	Biologist 3	3.00	2.00	62,005 - 75,067	0
20000651	Biologist 3(Storm Wtr Environ Spec)	0.00	1.00	62,005 - 75,067	73,190
20000655	Biologist 2	5.00	5.00	53,726 - 65,333	305,028
20000658	Motor Sweeper Oper	24.00	24.00	40,498 - 48,506	1,061,028
20000663	Parking Enfrc Ofcr 2	1.00	1.00	39,104 - 47,091	44,501
20000672	Parking Enfrc Ofcr 1	9.00	9.00	35,630 - 42,848	275,878
20000701	Plant Procs Cntrl Electrician	1.00	1.00	51,896 - 62,296	0
20000756	Word Processing Oper	1.00	1.00	31,491 - 37,918	36,970
20000761	Project Ofcr 1	1.00	1.00	66,622 - 80,454	71,386
20000763	Project Ofcr 2	1.00	1.00	76,794 - 92,851	86,429
20000885	Sr Civil Engineer	2.00	2.00	76,794 - 92,851	177,773
20000916	Sr Public Info Ofcr	2.00	2.00	54,059 - 65,333	127,400
20000927	Sr Clerk/Typist	1.00	1.00	36,067 - 43,514	41,121
20000928	Sr Zoning Investigator	1.00	1.00	55,182 - 66,851	57,415
20000970	Supv Mgmt Anlyst	1.00	1.00	66,768 - 80,891	78,464
20001032	Public Works Supv	4.00	4.00	49,525 - 59,966	233,868
20001050	Public Works Supt	1.00	1.00	70,013 - 84,531	0

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Department Personnel Expenditures (Cont'd)

Job Number	Job Title	FY2010 Budget	FY2011 Proposed	Salary Range	Total
20001051	Utility Worker 1	8.00	8.00	30,534 - 36,296	290,368
20001053	Utility Worker 2	4.00	4.00	33,322 - 39,666	158,664
20001069	Zoning Investigator 2	5.00	5.00	50,232 - 60,757	211,898
20001101	Department Director	1.00	1.00	59,155 - 224,099	138,710
20001168	Deputy Director	1.00	1.00	46,966 - 172,744	102,797
20001202	Asst Deputy Director	1.00	1.00	23,005 - 137,904	80,454
90001073	Management Intern NP	0.00	1.82	24,274 - 29,203	44,178
	Bilingual - Regular				4,368
	Reg Pay For Engineers				73,576
	Night Shift Pay				37,470
	Overtime Budgeted				211,984
Salaries and Wages Total		120.00	121.82		6,218,928

Fringe Benefits

Retirement ARC	1,994,910
Supplemental Pension Savings Plan	274,692
Retirement Offset Contribution	110,547
Retirement DROP	12,147
Employee Offset Savings	49,360
Workers' Compensation	189,478
Flexible Benefits	637,655
Risk Management Administration	106,820
Long-Term Disability	54,117
Unemployment Insurance	12,604
Medicare	70,376
Other Post-Employment Benefits	692,586
Unused Sick Leave	4,776
Retirement 401 Plan	1,222
Retiree Medical Trust	305
Fringe Benefits Total	4,211,595

Personnel Expenses Total	10,430,523
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Department Budget by Program

	FY2011 Positions	FY2011 Expenditures	FY2011 Revenue
Education & Outreach	4.00	2,830,129	0

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Department Budget by Program

	FY2011 Positions	FY2011 Expenditures	FY2011 Revenue
Energy	1.82	46,983	0
Flood Control Operations & Maintenance	26.00	8,682,025	966,767
General Administration/Management	16.00	2,917,261	0
Storm Water Pollution Prevention	32.00	15,659,503	215,000
Street Sweeping	42.00	4,904,233	7,935,091
IT Non-Discretionary	0.00	324,751	0
Total	121.82	35,364,885	9,116,858

