



## 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 to ensure compliance with the Municipal Storm Water Permit and other surface water quality regulations issued by the State of California. The Department's priorities are to identify sources of pollution and abate them through the implementation of innovative and efficient public education, watershed management, storm water development regulations, enforcement, and citywide training programs; and to provide the most efficient storm drain system operation and maintenance services to San Diego's residents.

The City of San Diego has over 48,000 storm drain structures and 700 miles of drainage pipe. The Department is responsible for the inspection, maintenance, and repair of the storm drain system in the public right-of-way and 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 to reduce pollutants found on City roadways. The sweeping program helps remove debris that collects in gutters and can potentially clog storm drains. Sweeping collects metal particles and other hazardous waste products left by passing vehicles. 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

Goals and objectives have been reprinted here as they were adopted in the Fiscal Year 2010 budget. They will be revisited during Fiscal Year 2012.

### ***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 residents 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 & Planning**

Asset Management & Planning is responsible for all Storm Water Capital Improvement Projects (CIPs). The Section is currently managing 45 flood control or water quality improvement CIP projects to repair storm drains and capture or treat storm water runoff. Additionally, the Section maintains the storm drain asset inventory and conducts an ongoing condition assessment of the drainage system. In Fiscal Year 2010, the Asset Management completed an inventory of new City storm drain assets.

### **Construction & Development Standards**

Construction & Development Standards implements the construction and land development regulations in accordance with the Municipal Storm Water Permit and the State Construction General Permit through continuous coordination with other City Departments that plan, design, construct, and inspect public and private development projects.

Additionally, the Section updates the City's Storm Water Standards to ensure compliance with the Municipal Storm Water Permit. Construction & Development Standards worked with the other 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 Section also participated in a Co-permittees working group to develop the Hydromodification Management Plan (HMP).

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Construction & Development Standards manages the treatment control Best Management Practices (BMP) inspection program to meet the requirements of the Municipal Storm Water Permit. The Section also evaluates and refines processes related to the successful implementation of the Storm Water Standards and was instrumental in the implementation of the new State Construction General Permit requirements by providing training, guidance and support to other City departments.

## **Education & Outreach**

Education & Outreach is responsible for maintaining and expanding the award-winning *Think Blue* public communication campaign and the City's outreach and education efforts that meet permit requirements at the jurisdictional, watershed, and regional levels. The Section conducts research and assessment in order to develop and implement effective communication programs through both targeted and mass-media. With a mandate to inform more than 3 million local residents, Education & Outreach participates in community events such as December Nights, the Jazz Festival, the Filipino-American Festival, and the Science Festival. 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 & Inspections**

Enforcement & Inspections is responsible for ensuring that San Diego residents and business comply with municipal storm water ordinances. Section Code Compliance Officers (CCOs) conducted 1,639 illegal discharge investigations, resulting in 312 Notices of Violation, 217 Administrative Citations and 15 Notices of Violation for Civil Penalties. The Section also works with the City Attorney's Office to investigate criminal illegal discharge cases.

The CCOs operate under a work plan designed to achieve a 48 hour turn-around for investigation of high priority discharge projects. The Section developed an Administrative Citation fine matrix to streamline the process for classifying violations of the Municipal Code Storm Water Ordinances and implemented an integrated database system to track enforcement and inspection information.

## **Program Management**

Program Management plans and coordinates the implementation of integrated Watershed Urban Runoff Management Programs (WURMP) designed to address Municipal Storm Water Permit, Total Maximum Daily Load (TMDL), and Areas of Special Biological Significance (ASBS) regulations. Additionally, this section coordinates the planning, implementation, assessment, and compliance reporting of the City's Jurisdictional Urban Runoff Management Program. As part of the WURMP, the Section managed the planning or implementation of 10 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, and a targeted business inspection pilot study designed to assess and improve the effectiveness of the inspections.

## **Policy Development & Monitoring**

The Policy Development Section interprets and negotiates new storm water regulations and legislation that affect the City. The Section interacted with the Regional and State Water Boards, EPA, and interested stakeholders to develop Cleanup and Abatement Orders, regional monitoring programs, Areas of Special Biological Significance, and Total Maximum Daily Load regulations to improve water quality in local watersheds. Policy Development has commented on draft Basin Plan amendments and the State Water Board draft enforcement policies. The Department participates in these efforts to develop regulations that maximize the protection of water quality and improve the quality of life of our citizens and visitors in a cost-effective manner.

The Monitoring Section is responsible for conducting the permit-required 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 149 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 two business days.

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## **Storm Drain Operations & Maintenance**

The Storm Drain Section maintains the City's storm drain system and operates 15 storm water pump stations. The Section responds to over 13,000 service requests annually, and removes approximately 5,200 tons of debris from storm drains and channels each year. In conjunction with the Engineering & Capital Projects Department and the City Attorney's Office, the Section issues Right-of-Entry permits needed for non-City personnel to perform work in drainage areas on public property. The Section also works closely with community groups, volunteers, and private organizations to clean and remove trash from storm drain channels.

The Department recently completed a major project in the Tijuana River Valley Pilot Channel. Operations & Maintenance crews removed approximately 30,000 tons of sediment, trash and debris from the drainage channel, minimizing damage caused by winter storms. In order to expedite future maintenance work on all City drainage channels, staff is pursuing long-term maintenance permits from regulatory agencies.

## **Street Sweeping**

The Street Sweeping Section cleans all improved City streets, collecting debris that can block storm water runoff that causes flooding during heavy rains. Sweeping also removes metal particles and other hazardous waste products left by passing vehicles. Although virtually invisible, these particles can be extremely harmful to fish and other wildlife if they reach creeks, rivers, beaches and bays. Street sweeping is an effective method of removing all pollutants that accumulate on City streets. Approximately 4,400 tons of debris is collected annually from the streets, preventing it from passing into the storm drain system. The Section's staff also works closely with residents to establish efficient sweeping routes and schedules.

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## Department Summary

	FY2010 Budget	FY2011 Adopted	FY2010–2011 Change
Positions	120.00	121.82	1.82
Personnel Expenses	\$ 10,111,383	\$ 10,367,474	\$ 256,091
Non-Personnel Expenses	27,539,865	24,815,965	(2,723,900)
<b>Total Department Expenses</b>	<b>\$ 37,651,248</b>	<b>\$ 35,183,439</b>	<b>\$ (2,467,809)</b>
<b>Total Department Revenue</b>	<b>\$ 9,109,240</b>	<b>\$ 10,091,858</b>	<b>\$ 982,618</b>

## General Fund

### Department Expenditures

	FY2010 Budget	FY2011 Adopted	FY2010–2011 Change
Administration	\$ 2,105,433	\$ 1,897,926	\$ (207,507)
Pollution Prevention	20,047,951	17,733,645	(2,314,306)
Storm Drain Operations & Maintenance	15,497,864	15,551,868	54,004
<b>Total</b>	<b>\$ 37,651,248</b>	<b>\$ 35,183,439</b>	<b>\$ (2,467,809)</b>

### Department Personnel

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

### Significant Budget Adjustments

	FTE	Expenditures	Revenue
<b>Adjustment to Contracts and Equipment Outlay</b> Funding allocated according to a zero-based annual review of contract and equipment outlay requirements.	0.00	\$ 18,146,671	\$ –
<b>Storm Water Regional Permit Fee Addition</b> Adjustment to reflect the amount of the annual Storm Water Regional Permit fee previously paid from the Storm Drain Fund.	0.00	471,984	–
<b>Adjustment to Hourly Personnel Funding</b> Funding allocated according to a zero-based annual review of hourly funding requirements.	1.82	46,983	–
<b>One-Time Reduction</b> Adjustment to reflect the removal of one-time revenues and expenditures implemented in Fiscal Year 2010.	0.00	(959,149)	–
<b>Dewatering Reimbursement</b> Transfer of revenue from the Convention Center Fund to reimburse dewatering expenses incurred by the Storm Water Department.	0.00	–	975,000
<b>Revised Revenue</b> Adjustment to reflect Fiscal Year 2011 revenue projections.	0.00	–	966,767

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## Significant Budget Adjustments (Cont'd)

	FTE	Expenditures	Revenue
<b>Support for Safety and Maintenance of Visitor-Related Facilities</b>	0.00	–	(959,149)
Support to reimburse the General Fund for expenditures associated with the safety and maintenance of visitor-related facilities.			
<b>Total</b>	<b>1.82</b>	<b>\$ 17,706,489</b>	<b>\$ 982,618</b>

## Expenditures by Category

	FY2010 Budget	FY2011 Adopted	FY2010–2011 Change
<b>PERSONNEL</b>			
Salaries and Wages	\$ 6,635,620	\$ 6,180,281	\$ (455,339)
Fringe Benefits	3,475,763	4,187,193	711,430
<b>PERSONNEL SUBTOTAL</b>	<b>\$ 10,111,383</b>	<b>\$ 10,367,474</b>	<b>\$ 256,091</b>
<b>NON-PERSONNEL</b>			
Supplies	\$ 619,879	\$ 619,879	\$ –
Contracts	24,833,376	21,211,296	(3,622,080)
Information Technology	272,552	324,751	52,199
Energy and Utilities	29,015	279,908	250,893
Other	1,626,543	2,244,154	617,611
Capital Expenditures	158,500	135,977	(22,523)
<b>NON-PERSONNEL SUBTOTAL</b>	<b>\$ 27,539,865</b>	<b>\$ 24,815,965</b>	<b>\$ (2,723,900)</b>
<b>Total</b>	<b>\$ 37,651,248</b>	<b>\$ 35,183,439</b>	<b>\$ (2,467,809)</b>

## Revenues by Category

	FY2010 Budget	FY2011 Adopted	FY2010–2011 Change
Fines, Forfeitures, and Penalties	\$ 2,940,000	\$ 2,940,000	\$ –
Charges for Current Services	1,154,261	195,112	(959,149)
Other Financial Sources (Uses)	5,014,979	6,956,746	1,941,767
<b>Total</b>	<b>\$ 9,109,240</b>	<b>\$ 10,091,858</b>	<b>\$ 982,618</b>

## Personnel Expenses

Job Number	Job Class	Job Title / Wages	FY2010 Budget	FY2011 Adopted	Salary Range	Total
20000011	1104	Account Clerk	2.00	1.00	\$31,491 - \$37,918	\$ 36,970
20000024	1107	Administrative Aide 2	1.00	1.00	42,578 - 51,334	50,051
20001202	2250	Assistant Deputy Director	1.00	1.00	23,005 - 137,904	80,454
20000070	1153	Assistant Engineer-Civil	2.00	2.00	57,866 - 69,722	135,519
20000143	1221	Associate Engineer-Civil	3.00	3.00	66,622 - 80,454	232,493
20000119	1218	Associate Management Analyst	1.00	1.00	54,059 - 65,333	63,700
20000162	1227	Associate Planner	4.00	4.00	56,722 - 68,536	265,236
20000655	1624	Biologist 2	5.00	5.00	53,726 - 65,333	305,028
20000651	1622C	Biologist 3	0.00	1.00	62,005 - 75,067	73,190
20000648	1622	Biologist 3	3.00	2.00	62,005 - 75,067	–
20000236	1293	Cement Finisher	1.00	1.00	43,451 - 52,083	52,083
20000539	1535	Clerical Assistant 2	2.00	2.00	29,931 - 36,067	69,248
20000306	1356	Code Compliance Officer	1.00	1.00	37,232 - 44,803	43,683

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## Personnel Expenses (Cont'd)

Job Number	Job Class	Job Title / Wages	FY2010 Budget	FY2011 Adopted	Salary Range	Total
20001101	2132	Department Director	1.00	<b>1.00</b>	59,155 - 224,099	138,710
20001168	2214	Deputy Director	1.00	<b>1.00</b>	46,966 - 172,744	102,797
20000429	1439C	Equipment Operator 1	0.00	<b>2.00</b>	37,690 - 45,115	90,230
20000426	1439	Equipment Operator 1	4.00	<b>2.00</b>	37,690 - 45,115	45,115
20000430	1440	Equipment Operator 2	1.00	<b>1.00</b>	41,350 - 49,462	49,462
20000436	1445	Equipment Operator 3	2.00	<b>2.00</b>	43,160 - 51,667	103,334
20000418	1436	Equipment Technician 1	2.00	<b>2.00</b>	36,005 - 43,139	86,278
20000423	1438	Equipment Technician 2	1.00	<b>0.00</b>	39,499 - 47,091	-
20000924	1876	Executive Secretary	0.00	<b>1.00</b>	43,555 - 52,666	41,159
20000461	1465	Field Representative	1.00	<b>1.00</b>	32,323 - 38,917	36,776
20000501	1512	Heavy Truck Driver 2	5.00	<b>5.00</b>	37,565 - 45,302	220,465
20000293	1349	Information Systems Analyst 3	1.00	<b>1.00</b>	59,363 - 71,760	-
90001073	2103	Management Intern - Hourly	0.00	<b>1.82</b>	24,274 - 29,203	44,178
20000658	1625	Motor Sweeper Operator	24.00	<b>24.00</b>	40,498 - 48,506	1,061,028
20000646	1618	Motor Sweeper Supervisor	1.00	<b>1.00</b>	46,571 - 55,786	52,717
20000672	1640	Parking Enforcement Officer 1	9.00	<b>9.00</b>	35,630 - 42,848	275,878
20000663	1630	Parking Enforcement Officer 2	1.00	<b>1.00</b>	39,104 - 47,091	44,501
20000172	1237	Payroll Specialist 1	1.00	<b>0.00</b>	33,093 - 39,832	-
20000680	1648	Payroll Specialist 2	0.00	<b>1.00</b>	34,611 - 41,787	33,746
20000701	1666	Plant Process Control Electrician	1.00	<b>1.00</b>	51,896 - 62,296	-
20000761	1751	Project Officer 1	1.00	<b>0.00</b>	66,622 - 80,454	-
20000763	1752	Project Officer 2	1.00	<b>1.00</b>	76,794 - 92,851	86,429
20000784	1777	Public Information Officer	0.00	<b>1.00</b>	43,514 - 52,707	48,211
20001050	1977	Public Works Superintendent	1.00	<b>1.00</b>	70,013 - 84,531	-
20001032	1961	Public Works Supervisor	4.00	<b>4.00</b>	49,525 - 59,966	233,868
20000557	1556	Recycling Program Manager	2.00	<b>0.00</b>	76,731 - 92,893	-
20000885	1855	Senior Civil Engineer	2.00	<b>2.00</b>	76,794 - 92,851	177,773
20000927	1879	Senior Clerk/Typist	1.00	<b>1.00</b>	36,067 - 43,514	41,121
20000015	1106	Senior Management Analyst	1.00	<b>1.00</b>	59,363 - 71,760	69,966
20000918	1872	Senior Planner	0.00	<b>2.00</b>	65,354 - 79,019	138,852
20000916	1871	Senior Public Information Officer	2.00	<b>2.00</b>	54,059 - 65,333	127,400
20000928	1880	Senior Zoning Investigator	1.00	<b>1.00</b>	55,182 - 66,851	57,415
20000970	1917	Supervising Management Analyst	1.00	<b>1.00</b>	66,768 - 80,891	78,464
20001021	1940	Supervising Public Information Officer	0.00	<b>1.00</b>	59,363 - 71,760	57,879
20001051	1978	Utility Worker 1	8.00	<b>8.00</b>	30,534 - 36,296	290,368
20001053	1979	Utility Worker 2	4.00	<b>4.00</b>	33,322 - 39,666	158,664
20000323	1375	Wastewater Pretreatment Inspector 2	2.00	<b>0.00</b>	55,078 - 66,768	-
20000324	1375A	Wastewater Pretreatment Inspector 2	0.00	<b>3.00</b>	55,078 - 66,768	124,453
20000523	1528	Wastewater Pretreatment Program Manager	1.00	<b>0.00</b>	72,966 - 88,546	-

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## Personnel Expenses (Cont'd)

Job Number	Job Class	Job Title / Wages	FY2010 Budget	FY2011 Adopted	Salary Range	Total
20000526	1528C	Wastewater Pretreatment Program Manager	0.00	1.00	72,966 - 88,546	79,123
20000756	1746	Word Processing Operator	1.00	1.00	31,491 - 37,918	36,970
20001069	1998	Zoning Investigator 2	5.00	4.00	50,232 - 60,757	211,898
		Bilingual - Regular				4,368
		Night Shift Pay				37,470
		Overtime Budgeted				211,984
		Reg Pay For Engineers				73,576
<b>Salaries and Wages Subtotal</b>			<b>120.00</b>	<b>121.82</b>		<b>\$ 6,180,281</b>
		Employee Offset Savings				\$ 45,946
		Flexible Benefits				634,903
		Long-Term Disability				53,771
		Medicare				69,818
		Other Post-Employment Benefits				689,970
		Retiree Medical Trust				305
		Retirement 401 Plan				1,222
		Retirement ARC				1,978,003
		Retirement DROP				12,147
		Retirement Offset Contribution				116,002
		Risk Management Administration				106,820
		Supplemental Pension Savings Plan				273,885
		Unemployment Insurance				12,523
		Unused Sick Leave				4,747
		Workers' Compensation				187,131
<b>Fringe Benefits Subtotal</b>						<b>\$ 4,187,193</b>
<b>Total Personnel Expenses</b>						<b>\$ 10,367,474</b>

## Budget by Program

	FY2011 Positions	FY2011 Expenditures	FY2011 Revenue
Education & Outreach	4.00	\$ 2,815,281	\$ -
Energy	1.82	46,983	-
Flood Control Operations & Maintenance	26.00	8,694,387	1,941,767
General Administration/Management	16.00	2,810,090	-
IT Non-Discretionary	0.00	324,751	-
Storm Water Pollution Prevention	32.00	15,598,875	215,000
Street Sweeping	42.00	4,893,072	7,935,091
<b>Total</b>	<b>121.82</b>	<b>\$ 35,183,439</b>	<b>\$ 10,091,858</b>