# Public Works











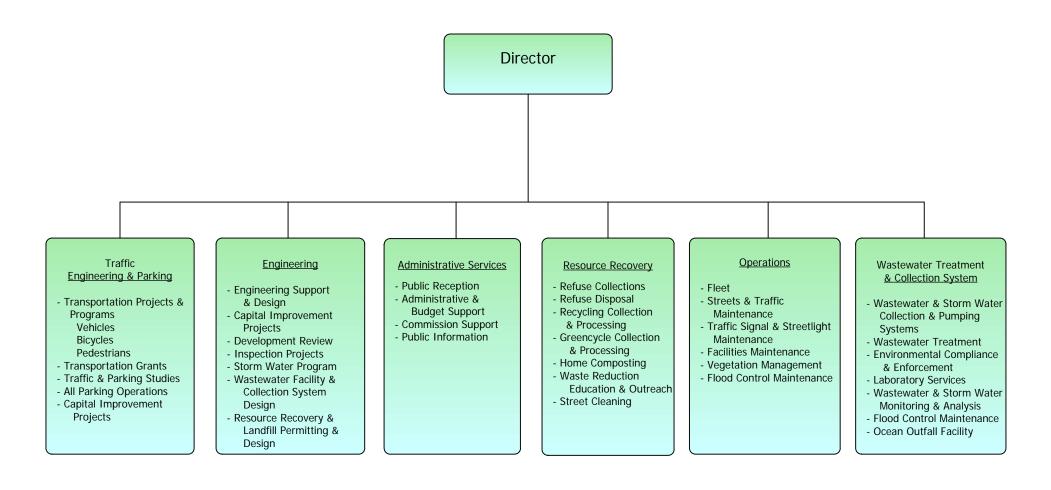








## **Public Works Department**



<sup>\*</sup> Shown by function.

### DEPARTMENT DESCRIPTION

The Public Works Department administers the City's public works activities, including street maintenance, wastewater collection and treatment, refuse collection and disposal, recycling collection and processing, street sweeping, traffic and parking management and maintenance, storm water collection and pollution prevention, fleet maintenance, facilities maintenance, and provides professional engineering services to City projects as needed.

## **Engineering and Traffic Engineering Division**

The Engineering and Traffic Engineering Division develops, coordinates and implements the department's Capital Improvement Program related to Transportation, Wastewater, Refuse, Storm Drains/Flood Control, Parking, Facilities and Emergency Repairs. The CIP includes grant applications and management, environmental review, permitting, design, construction and inspection. Assistance is provided to other departments as needed. The divisions provide review and permitting for property development and utility installation. The Traffic Engineering division also manages the parking functions.

## FY 2016 ACCOMPLISHMENTS: Engineering and Traffic Engineering

- Acquired over \$4.5 million in Transportation grants to fund traffic safety and Safe Routes to School projects.
  - Bay-King Streets protected left-turns and streetlights
  - Bay Street sidewalk completion infill
  - Branciforte bike/pedestrian bridge and path
  - Citywide Safe Routes to School crossing improvements
  - Citywide traffic signal improvements
- Acquired \$3.0 million Rule 20A utility undergrounding funds for Riverside Ave and Mission St.
- > Completed design of Riverside Ave utility undergrounding and streetscape project.
- ➤ Completed the award winning Wharf intersection roundabout project.
- > Completed the Westlake Safe Routes to School project.
- > Designed Broadway pedestrian crossing project.
- > Completed the Ocean (and Water Street) adaptive signal control project.
- > Completed the West Cliff Drive emergency repair projects.
- Completed Phase 2 of the West Cliff path rehabilitation project.
- Awarded and started the arterial and collector streets paving projects on King, Soquel and Grant Streets.
- Awarded and started the cape seal projects in the Sumner, Grant, north Ocean and Agnes neighborhoods.
- Awarded the City Hall emergency generator project.
- > Completed the SLR parkway levee improvements project.
- > Completed the downtown parking lot #9 LID retrofit project.
- ➤ Completed the Lot 7 building demo and parking implementation project.
- ➤ Completed improvements and testing for the Cowell Beach initiative.

- 1. Environmental Sustainability & Well-Managed Resources
- 2. Community Safety & Well-Being

- Economic Vitality
   Financial Stability & Organizational Health
   Reliable & Forward-Thinking Infrastructure and Facilities
- 6. Engaged & Informed Community

## FY 2016 ACCOMPLISHMENTS: Engineering and Traffic Engineering (continued)

- > Completed various wastewater sewer line and treatment plant rehabilitation projects.
- ➤ Completed the Landfill Cell 3 design, permitting and bidding process.
- > Completed storm water quality improvements at the landfill and recycling center.
- > Completed the sanitation building shower/locker room expansion project.
- > Implemented, trained and enforced new state storm water quality requirements for city and private development projects.

## FY 2017 GOALS: Engineering and Traffic Engineering

- Complete the Highway 1/9 right-of-way acquisition and the final design.
- Initiate the Highway 1 bridge replacement project development/environmental analysis process.
- Construct the Riverside Avenue utility undergrounding and streetscape project.
- Initiate the Ocean Street beautification project design process.
- Complete the Soquel at Frederick minor widening project.
- Complete the design and environmental review for the Monterey Bay Scenic Sanctuary Rail Trail – Segment 7 project.
- Seek funding for Segments 8 and 9 of the MBST Rail Trail projects.
- Construct city-wide traffic signal safety improvements (which include pedestrian countdown heads).
- Continue to implement a more robust Measure H paving program by using the bond
- Complete Phase 3 of the West Cliff Drive path rehabilitation project.
- Complete the Front Street-Pacific historic wall repair.
- Complete the East Cliff emergency repair at Alhambra.
- Complete the Bay Drive storm damage repair project.
- Complete the Corp Yard main building seismic retrofit project.
- Approve design concept and initiate final design for the Bay-High roundabout project.
- Construct the Branciforte Creek bike and pedestrian bridge and path.
- Complete the right-of-way process and design for the Murray Street bridge seismic retrofit project and initiate construction.
- Complete various wastewater collection and treatment facility projects.
- Complete the landfill cell 3 project.
- Perform deck repairs at downtown parking structures.
- Implement a new parking equipment replacement plan for the downtown garages.
- Construct parking deck restoration project at Walnut parking structure.
- Work with Economic Development to identify location(s) for additional downtown parking to meet current and future demand.

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## **Operations Division**

The Operation Division is comprised of three sections which are responsible for management, inspection, repair and maintenance of City infrastructure, facilities and fleet assets. Following is a brief description of each section's core functions and duties.

### **Streets and Traffic Maintenance**

This section maintains and repairs the city street surfaces, curbs, gutters, and storm drainage systems. They assist with and may construct minor street projects; additionally they provide service to other enterprise funded departments for water and sewer utility trench resurfacing projects. The section also maintains the 2,027 City-owned streetlights, 41 City-owned traffic lights, as well as maintenance of pavement markings, signage and traffic calming devices.

#### Fleet Maintenance

The fleet section plans, coordinates and manages the ongoing operation and mechanical maintenance of the City's fleet. Fleet reviews, recommends and administers the fleet replacement program including the inter-departmental reassignment of equipment. The division is also responsible for the operation and maintenance of the City's two-way radio communications system, including maintenance of mandated FCC radio licenses.

### **Facilities Maintenance**

This section maintains City-owned buildings and structures in good working order to comply with mandated guidelines using environmentally friendly methods and materials. Facilities' goal is to evaluate, recommend and repair City facilities so that they are functioning as efficiently as possible while providing City departments with timely and effective maintenance services and extending the life of the City's facilities assets.

## **FY 2016 ACCOMPLISHMENTS: Operations**

- Repaired 140 City-owned streetlights and completed 56 traffic signal maintenance calls.
- > Completed 42 paint and street markings work requests from Engineering and more than 6,800 linear feet of painting maintenance.
- > Performed 410 sign maintenance orders and 30 new signage work requests from Engineering.
- Laid 121 tons of asphalt in City road repair projects.
- > Poured 53 cubic yards of concrete in surface drain and sidewalk repair projects.
- Completed 2,042 vehicle and other mechanical maintenance work orders, including 79 vehicle smog inspections.
- > Ordered 31 vehicle and other mechanical assets and sold off more than 20 assets at auction utilizing a broad network of sales platforms.
- Attained several Facilities staff training certifications including Building Operators Certification II, American Trainco Electrical Theory and Electrical Troubleshooting.

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## **FY 2016 ACCOMPLISHMENTS: Operations (continued)**

- Increased facility mechanical and energy efficiency by completing several LED lighting retrofit projects, replacing a variety of older, inefficient mechanical equipment, and maintaining solar generation at peak efficiency.
- > Completed the Police Department facility replacement of complete HVAC system.
- > Secured a \$1.7 million dollar, 1% interest loan from the California Energy Commission for financing energy efficiency projects Citywide in Fiscal Years 2017 and 2018.

## **FY 2017 GOALS: Operations**

- Seismic retrofit and restroom upgrades of the Corporation Yard buildings.
- Addition of roof-top solar at the Corporation Yard to reduce energy costs.
- Repairs to exterior envelope of the Civic Auditorium building.
- Continued research for energy conservation grants or low interest loans for projects identified in the investment grade energy audit.
- Pursue grant funding to replace inefficient fossil fuel vehicles with alternative fuel efficient units including electric or hybrid vehicles.
- Continue to improve residential streets with Measure H street repair funding.
- Train and certify new Streets and Traffic staff and further training and cross training of existing staff while increasing maintenance production totals.
- Reduce back-log of deferred maintenance projects on City-owned facilities.
- Ramp up Facility Maintenance staff training to increase scope of maintenance and work which can be performed in-house.
- Fleet maintenance strives to heighten technical skills and abilities through trainings including Mack, Cummins Advanced, ATC, and compressed natural gas vehicle maintenance.
- Continue to monitor California Air Resources Board requirements and eliminate or replace older vehicles with alternative fuel vehicles as possible to increase fuel efficiency and reduce carbon footprint.

## **Resource Recovery Operations/Refuse Fund**

The Refuse Enterprise Fund collects all refuse, recycling and greenwaste in the city, provides street cleaning services, provides refuse disposal at the landfill, processes and markets all recyclables, green and wood waste, and other diverted materials, provides waste reduction and recycling outreach and education programs and materials, provides environmental compliance and engineering services for the Resource Recovery Facility, and administers the fund to collect sufficient revenues from collection and landfill customers and sale of materials to pay all costs of the fund.

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## FY 2016 ACCOMPLISHMENTS: Resource Recovery Operations/Refuse Fund

- ➤ Completed the installation of on-street public trash containers in high-traffic business
- > Implemented and expanded the Mixed Container recycling route to commercial businesses and other high volume customers.
- Expanded the *Recycle Right!* contamination control program for recycling and greenwaste containers through inspection, customer education and compliance efforts, and public landfill tours.
- > Selected, purchased and implemented a routing software program for refuse and recycling collection vehicles to increase efficiency and safety.
- Worked with other agencies in the county to investigate appropriate system(s) and location(s) to divert organic materials, including food waste, from landfills to beneficial
- ➤ Completed storm water collection improvements at the Resource Recovery Facility, including new bio-swales, catch basins and filters, new paving, an in-house street sweeper and an expanded Storm Water Pollution Prevention Plan.

## FY 2017 GOALS: Resource Recovery Operations/Refuse Fund

- Continue to support the Climate Action Plan by reducing the impacts of Resource Recovery operations.
- Installation of a CNG fueling and maintenance facilities at the City Corporation Yard.
- Full Implementation of routing and vehicle management software including investigation of existing route reductions.
- Implementation of a commercial food waste processing and implementation a collection program to meet State mandates.
- Complete design of next lined landfill cell, call for bids and award construction contract to construct during Fiscal Year 2017.
- Continue to improve Stormwater conveyances at the Resource Recovery Facility.

### **Wastewater Operations**

The Wastewater division is responsible for the operation and maintenance of a regional wastewater treatment and disposal facility and the City's subsurface storm water and wastewater systems. It also provides inspection, sampling, public education, and monitoring of business and industrial establishments to limit discharge of harmful constituents into the sanitary wastewater system and storm drain system.

## FY 2016 ACCOMPLISHMENTS: Wastewater Operations

- Source tracking of possible causes for the pollution on Cowell Beach/Westside Santa Cruz.
- Analyzed distribution of bacteria impairment at Cowell/Main Beach providing the City with a defined area to focus its resource for limiting bacteria closest to their major source.
- Sewer pump station control panel upgrades.
- Corrugated metal pipe inspection throughout the City for CIP prioritization/replacement or repair.

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## FY 2016 ACCOMPLISHMENTS: Wastewater Operations (continued)

- Rehabilitation of 48" siphon sewer under San Lorenzo River.
- > Digester #4 equipment refurbishment.
- Replaced/repaired various equipment components to ensure process control reliability.
- Expanded current water reuse equipment to produce Title 22 reclaim water for offsite use.
- Looked at the emerging technologies for bio-solids conditioning.
- Conversion of secondary odor control to Vapex Ozone technology.
- Designed replacement standby generator engine and generator package.
- Installed Vapex ozone technology for county inlet channel.
- Upgraded centrifuge process controls, feed pumps and polymer system
- Will institute in house toxicity (bioassay) testing in 2016, bringing in a test that has always been done through contract laboratories.

## **FY 2017 GOALS: Wastewater Operations**

- Digester #5 cleaning and equipment refurbishment.
- Expand current water reuse equipment to produce Title 22 reclaim water for offsite use.
- Look at the emerging technologies for bio-solids conditioning.
- Design replacement standby generator engine and generator package.
- Upgrade centrifuge process controls, feed pumps and polymer system
- Upgrade energy management software that provides real time energy use data.
- Implement new standards for controlling root control chemicals in the City's sewer system.
- Continue corrugated metal pipe inspection throughout the City for CIP prioritization and replacement/repair.
- Purchase and installation of new generator at Isbel Drive sewer pump station.
- Continue to rebuild and/or replace Storm Station II 40hp pumps.

## Clean River, Beaches & Ocean and Storm Water Funds

The Clean River, Beaches & Ocean parcel tax was established by passage of Measure E in 2008. The measure was placed on the ballot by the City Council to create a dedicated source of funding to help pay for water quality programs that prevent pollution from reaching our waterways, beaches and the Bay. The Stormwater Fund is funded by the Stormwater Management Utility; a fee charged to each property within City limits and is based on average runoff from various land types and parcel size. The fee helps pay for stormwater runoff mitigation as required by the federal Environmental Protection Agency and the State Department of Water Resource.

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## FY 2016 ACCOMPLISHMENTS: Clean River, Beaches & Ocean and Storm Water Funds

- Completed the storm drain infrastructure improvements to reduce bacteria levels at Cowell Beach from the Neary Lagoon storm drainage outflow pipes. This project was funded by a State Clean Beaches Initiative grant.
- > Complete installation of Low Impact Design (LID) features (bio-swales) at Parking Lot #9, which is located behind the Catalyst. This project was part of a county-wide LID project funded by a State Prop 84 grant. The project also included lot repaying.
- Funded temporary Parks employees to clean up illegal campsites and dumping along the San Lorenzo River levee and local creeks. Also funded new trash and recycling containers along waterways including Branciforte Creek.
- Funded temporary Parks employees to clean Cowell and Main Beaches.
- Extensive efforts to clean river pump stations, street catch basins, and miscellaneous storm drain facilities.
- > Continued volunteer community and Adopt-a-Levee cleanup programs, managed by Save Our Shores, to reduce litter and pollutants along the San Lorenzo River levees.
- > Continued comprehensive storm water education program in elementary, middle, and high schools within the City.
- > Continued comprehensive storm water education and outreach program to businesses. contractors, residents and the general public in the City. Outreach topics included: herbicide and pesticide use, Low Impact Design for development and remodel projects, riparian protection, and volunteer monitoring events.
- > Increased plan review and inspections of all development and remodel projects pursuant to new state storm water permit requirements.
- Funded Hope Services to conduct downtown litter abatement work.
- > Continued sampling and analysis of pollutants, particularly bacteria and sediment, in the San Lorenzo River. Also contributed funding and staff time/participation in the San Lorenzo River Alliance in order to investigate sources and levels of pollutants in the river.
- > Continued source investigations at Cowell Beach, and working toward potential solutions to reduce bacteria levels at Cowell Beach.

## FY 2017 GOALS: Clean River, Beaches & Ocean and Storm Water Funds

- Continue intensive efforts to clean river pump stations, street catch basins, and miscellaneous storm drain facilities.
- Continue funding for river levee, beach, and creek clean-ups by Parks staff, contractors and local volunteer groups.
- Continue funding for the comprehensive storm water education and outreach program in the City including to schools, businesses, contractors, and residents.
- Implement the SLR levee maintenance and Branciforte Creek channel repair projects.
- Investigate options and locations for trash capture devices in preparation for compliance with the new State Trash Amendment.
- Continue to contribute funding and staff time/participation in the San Lorenzo River Alliance in order to investigate/reduce sources and levels of pollutants in the river.

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## Public Works

## **DEPARTMENT SUMMARY**

## FY 2017 GOALS: Clean River, Beaches & Ocean and Storm Water Funds

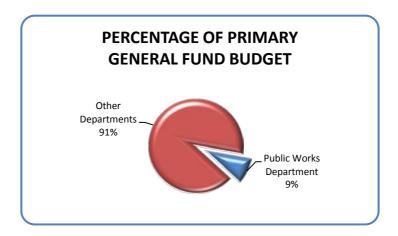
Continue to conduct source investigations at Cowell Beach, and work towards solution to reduce bacteria levels at Cowell Beach.

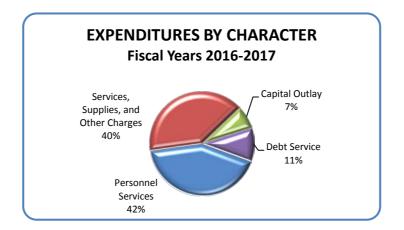
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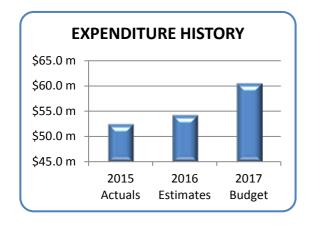
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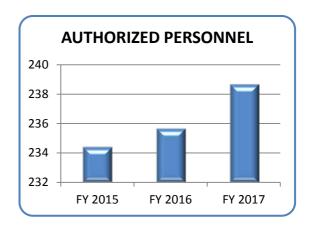












			Fiscal Year 2016			Figure Vener	
		Fiscal Year* 2015 Actuals	Adopted Budget	Amended* Budget	Estimated Actual	Fiscal Year 2017 Adopted	
<b>EXPENDITURES BY CHARACT</b>	ER:						
Personnel Services		22,515,674	24,889,491	24,929,874	23,176,115	25,719,677	
Services, Supplies, and Other Ch	narges	19,945,853	23,864,140	24,554,779	21,648,128	24,969,392	
Capital Outlay		3,771,095	2,620,734	3,844,180	3,111,996	4,365,975	
Debt Service		6,373,142	6,398,037	6,398,037	6,379,722	6,353,177	
Total Expenditures		52,605,764	57,772,402	59,726,870	54,315,961	61,408,221	
EXPENDITURES BY ACTIVITY:	:						
Public Works Administration	4101	325,551	300,275	307,741	332,716	311,864	
Engineering	4102	506,379	699,954	755,088	683,378	796,818	
Public Works Operations	4103	97,450	128,349	131,349	137,977	121,113	
Facilities Services	4110	988,101	1,318,297	1,351,915	1,146,788	1,360,818	
Street Maintenance and Sidewalk Repair	4210	1,228,190	1,569,542	1,747,038	1,355,943	1,738,263	
Traffic Engineering	4220	531,002	684,480	716,282	608,806	666,583	
Parking Services	4221	1,695,608	1,855,509	1,935,694	1,715,574	1,868,223	
Traffic Maintenance	4223	800,190	930,088	936,488	622,249	794,819	
Parking Citation and Permits Office		428,190	543,981	543,981	473,794	568,413	
After Hours Call Duty Program	490 <u>1</u>	_	<u>-</u>			37,000	
Subtotal General Fund		6,600,662	8,030,475	8,425,577	7,077,225	8,263,914	
Wharf Gate Operations	422 <u>6</u>	465,816	534,827	534,827	487,774	564,783	
Subtotal Other General Funds		465,816	534,827	534,827	487,774	564,783	
Traffic Signal Maintenance	4224	276,174	383,577	383,577	309,674	259,671	
Street Lighting	4225	479,399	521,690	521,690	476,643	455,690	
Bicycle/Pedestrian System Maintenance	4227	9,453	32,000	32,000	32,000	32,000	
Traffic Impact	4228	43,096	52,182	52,182	51,000	54,672	
Clean River, Beaches & Ocean	4235	709,683	889,797	857,517	762,897	517,307	
Transportation Development Act	6301	-	-	-	-	701,164	
Wastewater Customer Service	7201	303,924	319,738	319,738	269,613	290,246	
Wastewater Mains/Flood Control	7202	2,615,586	2,643,535	2,688,768	2,440,487	2,642,103	
Wastewater Treatment Facility	7203	8,667,769	10,003,019	10,150,156	8,735,054	10,331,428	
Secondary Plant Parks Mitigation	7204	387,685	444,682	444,682	401,864	463,051	
Wastewater Source Control	7205	479,049	583,864	592,407	600,255	655,837	
Wastewater Pump House	7206	24,770	86,000	86,000	89,563	133,000	
Wastewater Admin Charges	7207	721,721	784,377	784,377	721,721	870,929	
Wastewater Lab	7208	737,749	1,248,385	1,353,857	1,253,250	1,311,106	
Sewer Debt Service	7242	3,624,747	3,691,518	3,691,518	3,691,418	3,690,916	
Refuse Customer Accounting	7301	410,445	462,174	462,174	372,322	435,369	
Resource Recovery Collection - Container	7302	7,541,401	6,524,632	7,446,989	6,085,209	7,060,795	
Refuse Disposal	7303	4,883,610	5,534,015	5,564,235	4,844,256	6,264,669	
Recycling Program - Processing	7304	1,712,955	1,877,235	1,877,235	1,835,591	1,968,237	
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<sup>\*</sup>Sums may have discrepancies due to rounding

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		<b>-</b> • 1 \ \ \ \	Fiscal Year 2016			Fiscal Year	
		Fiscal Year* 2015 Actuals	Adopted Budget	Amended* Budget	Estimated Actual	2017 Adopted	
Resource Recovery Collection - Cart	7305	2,709,716	2,913,510	2,942,929	2,767,678	2,844,053	
Waste Reduction	7306	301,031	425,107	428,000	419,184	443,994	
Street Cleaning	7307	1,032,420	897,893	897,893	760,143	1,141,851	
Off-Street Parking	7401	3,960,492	4,185,416	4,330,416	4,333,711	4,533,897	
Storm Water Management	7501	450,664	1,002,217	1,142,884	1,130,360	1,210,935	
Storm Water Overlay Debt Service	7540	126,663	180,901	180,901	180,930	190,155	
Mechanical Maintenance	7831	3,225,808	3,407,668	3,422,372	3,224,932	3,379,953	
Communications	7832	18,513	31,700	31,700	31,269	31,700	
Employee Commute Van	7833	3,960	2,818	2,818	2,304	2,818	
Vehicle Lease Program	7835	-	-	-	847,335	556,756	
Pool Vehicles	7836	41,498	37,450	37,450	49,064	65,222	
City Schools	783 <u>7</u>	39,305	40,000	40,000	31,235	40,000	
Subtotal Other Funds		45,539,285	49,207,100	50,766,466	46,750,962	52,579,524	
Total Expenditures	_	52,605,764	57,772,402	59,726,870	54,315,961	61,408,221	
RESOURCES BY FUND							
General Fund	101	3,875,757	3,264,674	3,271,674	3,475,384	3,248,520	
Municipal Wharf	104	1,208,555	1,050,000	1,050,000	1,175,050	1,250,000	
Gasoline Tax	221	1,808,989	1,374,370	1,406,370	1,395,480	1,308,873	
Traffic Impact	225	1,808,989	1,374,370	1,400,370	1,333,400	1,308,873	
Fee-Beach/South of Laurel	223	29	-	-	-	-	
-	226	417.240	F00 000	F00 000	100 000	100 000	
Traffic Impact Fee-Citywide Fund	226	417,340	500,000	500,000	100,000	100,000	
Clean River, Beaches & Ocean Tax Fund	235	627,144	628,444	628,444	628,444	630,000	
CIP-Street Maintenance & Rehabilitation	317	60,895	-	-	-	-	
Wastewater	721	17,431,768	20,781,847	20,781,847	18,780,000	19,960,000	
Refuse	731	16,957,694	16,636,000	16,787,058	17,263,707	16,601,000	
Parking	741	4,444,320	4,122,188	4,122,188	4,464,577	4,376,500	
Storm Water	751	580,848	573,890	573,890	573,890	573,890	
Storm Water Overlay	752	319,193	323,489	323,489	323,489	323,489	
•				· ·		3,797,973	
Equipment Operations	811_	3,210,603	3,400,900	3,400,900	3,337,314	3,797,973	
Total Resources		50,943,137	52,655,802	52,845,860	51,517,335	52,871,409	
Net General Fund Cost	_	(2,724,905)	(4,765,801)	(5,153,903)	(3,601,841)	(5,015,394)	
		FY 2015			FY 2016	FY 2017	
TOTAL AUTHORIZED PERSONNE	L:	234.45			235.70	238.70	

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Activity Number: 4901 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

This activity accounts for contributions from a variety of funds to create a labor pool for use in responding to after hours emergencies, such as a broken sewer line, or storm debris removal to prevent flooding. The labor pool is established on a voluntary basis which may require an employee to respond to an emergency not associated with that employee's normal duty or funding source. An estimate of annual costs is made and contributions come from the General Fund, Water Enterprise Fund, Wastewater Enterprise Fund, Parking Enterprise Fund, and the Golf Enterprise Fund. Contributions from each fund are designated only for use in responding to emergencies arising out of that fund's operation. A reconciliation is done at year end and is used as the basis for estimating the next year contribution from each participating fund.

	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	-	-	-	-	37,000
Total Expenditures	-	-			37,000

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## Transportation Development Act

Activity Number: 6301 ACTIVITY SUMMARY

Fund(s): Transportation Development Act (291)

**Department: Public Works** 

## **Activity Description:**

The Transportion Devlopment Act activity accounts for a 1/4 State sales tax, which is allocated to the Regional Transportation Commission based on taxable sales in Santa Cruz County The City receives a portion of those funds based on population, which is used for bicycle and pedestrian projects Acting as the public agency sponsor, the City will contract with and pass through a portion of the TDA funds to non-profit agencies that utilize the funding to meet specialized or unmet transportation needs.

		Fiscal Year 2016			Fiscal Year
	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges	s -	-	-	-	701,164
Total Expenditures	-	-	-		701,164
ACTIVITY RESOURCES:					
Grants	-	-	-	-	701,164
Total Resources	-	-			701,164

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 4101 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

Responsible for the overall administration and direction of the various public works activities. Provides staff support to Transportation and Public Works Commission and Downtown Commission. Administers refuse, wastewater, storm water, and parking enterprise funds. Develops and implements City policy guiding maintenance of public roads, bridges, and other infrastructure.

	Fiscal Year 2015 Actuals			Figure Voca	
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
EXPENDITURES BY ACTIVITY:					
Personnel Services Services, Supplies, and Other Charges	276,713 48,838	246,919 53,356	254,385 53,356	288,237 44,479	211,908 99,956
Total Expenditures =	325,551	300,275	307,741	332,716	311,864
ACTIVITY RESOURCES:					
Charges for Services	18,224	18,258	18,258	18,258	32,139
Rents, & Misc Revenues	7,785	7,000	14,000	7,000	7,000
Total Resources	26,009	25,258	32,258	25,258	39,139

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 4102 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

Develops and manages the department's Capital Improvement Program. Provides professional engineering design, construction contract administration, and contractor controlled services for the Public Works Department and other City departments for the Capital Improvement Program. Provides private development review and approval for City-wide development as it relates to the public right-of-way and utility services, including staff support to Planning Commission and Zoning Board and related duties. Furnishes engineering consultation to other City departments, other agencies, private developers, private engineers, contractors, and the general public. Provides inspections services for the City and City-related projects.

	Fiscal Year 2015 Actuals		i	Figure Voca	
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	414,048	537,676	537,676	518,997	621,098
Services, Supplies, and Other Charges	92,331	162,278	217,412	164,381	175,720
Total Expenditures =	506,379	699,954	755,088	683,378	796,818
ACTIVITY RESOURCES:					
Licenses and Permits	107,589	97,600	97,600	110,000	110,000
Charges for Services	54,496	85,300	85,300	109,641	74,800
Rents, & Misc Revenues	785	-	-	-	-
Total Resources	162,870	182,900	182,900	219,641	184,800

<sup>\*</sup>Sums may have discrepancies due to rounding

## **Public Works Operations**

Activity Number: 4103 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

Responsible for management of street maintenance and sidewalk repair, flood control, traffic maintenance, traffic signals and street lights, fleet maintenance and facilities maintenance, and the corporation yard.

_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	77,950	94,355	94,355	102,380	80,100
Services, Supplies, and Other Charges	19,500	33,994	36,994	35,597	41,013
Total Expenditures	97,450	128,349	131,349	137,977	121,113

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 4110 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

This activity provides custodial and cleaning services, facility maintenance, minor construction and energy efficiency retrofitting/monitoring for City facilities.

			Figure Voca		
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges Capital Outlay  Total Expenditures	447,125 540,976 - 988,101	529,173 761,124 28,000 1,318,297	529,173 794,742 28,000 1,351,915	498,908 647,880 - 1,146,788	553,152 807,666 - 1,360,818
ACTIVITY RESOURCES:					
Charges for Services Rents, & Misc Revenues	108,250 3,800	108,216 3,800	108,216 3,800	108,216	138,231
Total Resources	112,050	112,016	112,016	108,216	138,231

<sup>\*</sup>Sums may have discrepancies due to rounding

## Street Maintenance and Sidewalk Repair

Activity Number: 4210 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

This activity maintains the City's street surfaces, curbs, gutters, surface storm drainage systems, San Lorenzo River and Branciforte creek flood control systems. May repair sidewalks, curbs, and gutters adjacent to City-owned properties to reduce the City's liability and protect the public.

	Fiscal Year 2015 Actuals		Figure 1 Versus		
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges Capital Outlay Total Expenditures	649,778 578,412 - 1,228,190	726,521 754,021 89,000 1,569,542	726,521 771,939 248,578 1,747,038	554,364 801,579 - 1,355,943	883,009 855,254 - 1,738,263
ACTIVITY RESOURCES:					
Charges for Services	-	2,200	2,200	2,200	2,200
Total Resources	-	2,200	2,200	2,200	2,200

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 4220 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

Provides administration and engineering for all parking control and traffic management programs and projects. Coordinates bicycle/pedestrian and alternative transportation programs and facilities. Responsible for staffing of the Downtown Commission and assists with staffing the Transportation and Public Works Commission. Provides professional engineering design of capital improvement projects relating to traffic and parking. Provides private development review as it relates to traffic and parking.

	Fiscal Year 2015 Actuals		i	Figure 1 Vanu	
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	340,447	399,969	399,969	377,625	401,072
Services, Supplies, and Other Charges	190,555	284,511	316,313	231,181	265,511
Total Expenditures =	531,002	684,480	716,282	608,806	666,583
ACTIVITY RESOURCES:					
Grants	93,919	110,000	110,000	-	-
Charges for Services	1,775	1,800	1,800	3,500	2,650
Rents, & Misc Revenues	785	-	-	-	-
Total Resources	96,479	111,800	111,800	3,500	2,650

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 4221 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

Provides for all parking control and enforcement in the City, including patrol of metered and timed parking spaces, lots, garages, and residential parking permit areas. Provides installation, maintenance, and repairs of parking meters, gates, and pay equipment; collects monies from meters and pay stations; cleans and maintains parking lots (Maintenance of downtown parking district lots and equipment is funded in Activity 7401-Off Street Parking).

_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	1,168,378	1,264,891	1,264,891	1,143,121	1,276,979
Services, Supplies, and Other Charges	519,725	466,618	466,618	572,453	589,244
Capital Outlay	7,506	124,000	204,185	-	2,000
Total Expenditures	1,695,608	1,855,509	1,935,694	1,715,574	1,868,223

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 4223 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

Installs and maintains traffic and parking painting, signing, and traffic management devices. Provides supervision of traffic signal and street lighting.

	Fiscal Year 2015 Actuals		Pt I W		
		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	452,570	505,620	505,620	303,661	347,379
Services, Supplies, and Other Charges	347,620	353,468	359,868	318,588	447,440
Capital Outlay	-	71,000	71,000	-	-
Total Expenditures	800,190	930,088	936,488	622,249	794,819

<sup>\*</sup>Sums may have discrepancies due to rounding

## Traffic Signal Maintenance

Activity Number: 4224 ACTIVITY SUMMARY

Fund(s): Gasoline Tax (221) Department: Public Works

## **Activity Description:**

This activity provides for the operation and maintenance of 41 City-owned traffic signals and other related equipment.

			<b></b>		
	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges	151,902 124,272	160,124 223,453	160,124 223,453	93,018 216,656	36,628 223,043
Total Expenditures	276,174	383,577	383,577	309,674	259,671

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 4225 ACTIVITY SUMMARY

Fund(s): Gasoline Tax (221) Department: Public Works

## **Activity Description:**

Provides for the operation and maintenance of approximately 1,800 City-owned streetlights. Funds maintenance contracts and power costs for approximately 1,200 PG&E-owned lights.

		Fiscal Year 2016			
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges Debt Service	452,367 27,032	496,690 25,000	496,690 25,000	451,690 24,953	430,690 25,000
Total Expenditures	479,399	521,690	521,690	476,643	455,690

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 4226 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

Provides for operation and maintenance of the attended parking gate at the Municipal Wharf, as well as permit parking, special event and promotional parking programs on the Wharf.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			Figure Voca
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges Capital Outlay	351,223 63,500 51,093	434,530 86,097 14,200	434,530 86,097 14,200	398,125 84,649 5,000	486,336 78,447 -
Total Expenditures =	465,816	534,827	534,827	487,774	564,783
ACTIVITY RESOURCES:					
Charges for Services Rents, & Misc Revenues	1,138,396 70,014	1,000,000 50,000	1,000,000 50,000	1,125,000 50,050	1,200,000 50,000
Total Resources	1,208,410	1,050,000	1,050,000	1,175,050	1,250,000

<sup>\*</sup>Sums may have discrepancies due to rounding

## Bicycle/Pedestrian System Maintenance

Activity Number: 4227 ACTIVITY SUMMARY

Fund(s): Gasoline Tax (221) Department: Public Works

## **Activity Description:**

Provides for maintenance and minor improvements to bikeways, bike parking and pedestrian ways. Funding from annual TDA grant allocation.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			
		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges	9,453	32,000	32,000	32,000	32,000
Total Expenditures =	9,453	32,000	32,000	32,000	32,000
ACTIVITY RESOURCES:					
Grants	19,109	-	32,000	9,453	-
Total Resources	19,109	-	32,000	9,453	

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 4228 ACTIVITY SUMMARY

Fund(s): Traffic Impact Fee-Citywide Fund (226)

**Department: Public Works** 

## **Activity Description:**

Citywide traffic impact fees are charged on all land use and construction permits that create a notable traffic impact, in order to provide funds to design, administer, acquire right-of-way, and construct planned traffic improvement projects.

		Fiscal Year 2016			<b>-</b> 137
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges	43,075 21	52,182 -	52,182 -	51,000 -	54,672 -
Total Expenditures =	43,096	52,182	52,182	51,000	54,672

<sup>\*</sup>Sums may have discrepancies due to rounding

## Parking Citation and Permits Office

Activity Number: 4229 ACTIVITY SUMMARY

Fund(s): General Fund (101) Department: Public Works

## **Activity Description:**

Accepts and processes payments for parking citations; administers requests for hearings on citations and claims for unpaid citations; administers residential and garage parking permits.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges	314,016 114,174	343,840 200,141	343,840 200,141	306,943 166,851	368,122 200,291
Total Expenditures =	428,190	543,981	543,981	473,794	568,413
ACTIVITY RESOURCES:					
Charges for Services	1,020	5,000	5,000	1,000	1,000
Total Resources	1,020	5,000	5,000	1,000	1,000

<sup>\*</sup>Sums may have discrepancies due to rounding

## Clean River, Beaches & Oceans

Activity Number: 4235 ACTIVITY SUMMARY

Fund(s): Clean River, Beaches & Ocean Tax Fund (235)

**Department: Public Works** 

## **Activity Description:**

Provides funding for water quality programs to prevent pollution from reaching our waterways and beaches.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			Figure Vega
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	266,046	288,835	248,835	254,025	143,018
Services, Supplies, and Other Charges	335,718	530,962	568,682	478,872	374,289
Capital Outlay	107,919	70,000	40,000	30,000	-
Total Expenditures	709,683	889,797	857,517	762,897	517,307

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7201 ACTIVITY SUMMARY

Fund(s): Wastewater (721) Department: Public Works

## **Activity Description:**

Funds wastewater share of the City Water Department customer service operation, which handles billing and accounting for wastewater service, as well as start-up and ending service, customer complaints, and providing information to the public.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			Figural Vanu
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges Capital Outlay	303,924	314,321 5,417	314,321 5,417	269,613 -	290,246
Total Expenditures	303,924	319,738	319,738	269,613	290,246

<sup>\*</sup>Sums may have discrepancies due to rounding

## Wastewater Collections Control

Activity Number: 7202 ACTIVITY SUMMARY

Fund(s): Wastewater (721) Department: Public Works

## **Activity Description:**

Provides for the operation and maintenance of the City's subsurface storm water and wastewater systems. This includes maintenance and repair of catch basins, pumps, and City-wide pump station facilities, collection lines and structures in the wastewater and subsurface storm water systems.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			Figure Voca
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	1,519,828	1,788,144	1,827,977	1,740,572	1,938,589
Services, Supplies, and Other Charges	670,026	705,391	710,791	549,915	703,514
Capital Outlay	425,732	150,000	150,000	150,000	-
Total Expenditures	2,615,586	2,643,535	2,688,768	2,440,487	2,642,103

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7203 ACTIVITY SUMMARY

Fund(s): Wastewater (721) Department: Public Works

## **Activity Description:**

Provides for the operation, monitoring and maintenance of a regional wastewater treatment and disposal facility. Wastewater treatment and ocean outfall disposal is provided for the City of Santa Cruz and the Santa Cruz County Sanitation District (Live Oak, Capitola, Soquel and Aptos). Septage disposal is provided for the County of Santa Cruz. Disposal of the City of Scotts Valley's Wastewater Treatment Plant effluent is provided through the City of Santa Cruz Wastewater Treatment Facility Outfall.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			Figure Voca
		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
EXPENDITURES BY ACTIVITY:					
Personnel Services Services, Supplies, and Other Charges Capital Outlay	3,755,141 4,748,748 163,881	4,263,608 5,029,711 709,700	4,290,608 5,144,396 715,152	3,795,102 4,343,659 596,293	4,614,640 4,917,988 798,800
Total Expenditures	8,667,769	10,003,019	10,150,156	8,735,054	10,331,428
ACTIVITY RESOURCES:					
Charges for Services Rents, & Misc Revenues	30,492 600	40,000 -	40,000 -	40,000 -	40,000
Total Resources	31,091	40,000	40,000	40,000	40,000

<sup>\*</sup>Sums may have discrepancies due to rounding

## Secondary Plant Parks Mitigation

Activity Number: 7204 ACTIVITY SUMMARY

Fund(s): Wastewater (721)
Department: Public Works

## **Activity Description:**

Provides for the operation and maintenance of Neary Lagoon Park and mitigation areas for construction of Wastewater Plant Secondary Facilities.

			<b></b> - 134		
	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	295,664	330,177	330,177	287,244	332,996
Services, Supplies, and Other Charges	92,021	114,505	114,505	114,620	130,055
Total Expenditures	387,685	444,682	444,682	401,864	463,051

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7205 ACTIVITY SUMMARY

Fund(s): Wastewater (721) Department: Public Works

## **Activity Description:**

Provides inspection, sampling, public education, and monitoring of business and industrial establishments to limit discharge of harmful constituents into the sanitary wastewater system and storm drain system. Issues wastewater and groundwater discharge permits to industrial dischargers. Issues citations and levies fines for code violations. This program is a requirement of the State of California and the U.S. Environmental Protection Agency.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			Final Van
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
EXPENDITURES BY ACTIVITY:					
Personnel Services Services, Supplies, and Other Charges Capital Outlay  Total Expenditures	413,702 65,348 - 479,049	425,925 157,939 - 583,864	425,925 166,482 - 592,407	429,784 170,471 - 600,255	454,539 200,298 1,000 655,837
ACTIVITY RESOURCES:					
Charges for Services	-	6,000	6,000	10,000	10,000
Total Resources	-	6,000	6,000	10,000	10,000

<sup>\*</sup>Sums may have discrepancies due to rounding

## Wastewater Pump House

Activity Number: 7206 ACTIVITY SUMMARY

Fund(s): Wastewater (721) Department: Public Works

## **Activity Description:**

Provides for the operation and maintenance of the influent sewage pumping station at the Wastewater Treatment Facility.

		Fiscal Year 2016			
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges Capital Outlay	24,770 -	51,000 35,000	51,000 35,000	54,563 35,000	48,000 85,000
Total Expenditures	24,770	86,000	86,000	89,563	133,000

<sup>\*</sup>Sums may have discrepancies due to rounding

# Wastewater Admin Charges

Activity Number: 7207 ACTIVITY SUMMARY

Fund(s): Wastewater (721) Department: Public Works

## **Activity Description:**

Accounts for administrative service charges for the wastewater fund.

_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges	721,721	784,377	784,377	721,721	870,929
Total Expenditures =	721,721	784,377	784,377	721,721	870,929

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7208 ACTIVITY SUMMARY

Fund(s): Wastewater (721)
Department: Public Works

### **Activity Description:**

Provides analytical, monitoring and consultative services for the City's sewer, storm water and related environmental analyses, including Pretreatment, Collection, and Operations, and discharge from the treatment facility. Compiles, reviews, and reports data for facility permit and treatment processes. Provides contract lab services to other departments and local agencies upon request.

	Fiscal Year 2015 Actuals		Fiscal Voor		
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	344,157	433,072	439,156	369,137	502,293
Services, Supplies, and Other Charges	360,459	733,313	832,701	833,613	758,313
Capital Outlay	33,133	82,000	82,000	50,500	50,500
Total Expenditures	737,749	1,248,385	1,353,857	1,253,250	1,311,106

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7241 ACTIVITY SUMMARY

Fund(s): Wastewater (721) Department: Public Works

### **Activity Description:**

Funds principal and interest payments on issued debt.

	Fiscal Year 2015 Actuals		Et a de la varia		
		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Debt Service	3,624,747	3,691,518	3,691,518	3,691,418	3,690,916
Total Expenditures	3,624,747	3,691,518	3,691,518	3,691,418	3,690,916

<sup>\*</sup>Sums may have discrepancies due to rounding

# Refuse Customer Accounting

Activity Number: 7301 ACTIVITY SUMMARY

Fund(s): Refuse (731)
Department: Public Works

### **Activity Description:**

Funds refuse share of the City Water Department Customer Service operation, which handles billing and accounting for refuse services, as well as start-up and ending refuse and recycling service, customer complaints, and providing information to the public.

_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges Capital Outlay	410,445	456,757 5,417	456,757 5,417	372,322 -	435,369 -
Total Expenditures	410,445	462,174	462,174	372,322	435,369

<sup>\*</sup>Sums may have discrepancies due to rounding

# Resource Recovery Collection - Containers

Activity Number: 7302 ACTIVITY SUMMARY

Fund(s): Refuse (731)
Department: Public Works

### **Activity Description:**

Responsible for collection of refuse, recycling, and organic materials from customers using large containers. Also includes Refuse Fund administrative costs.

			Figure Voca		
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	2,799,354	3,011,676	3,011,676	2,814,882	3,025,540
Services, Supplies, and Other Charges	1,938,564	2,236,578	2,281,408	1,822,007	2,119,701
Capital Outlay	2,353,799	862,000	1,739,527	1,033,942	1,506,647
Debt Service	449,683	414,378	414,378	414,378	408,907
Total Expenditures	7,541,401	6,524,632	7,446,989	6,085,209	7,060,795

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7303 ACTIVITY SUMMARY

Fund(s): Refuse (731) Department: Public Works

#### **Activity Description:**

Maintains and operates the sanitary landfill at the Resource Recovery Facility (RRF) for use by the City refuse operation and private individuals and businesses from the City. Diverts and processes greenwaste and construction and demolition debris. Ensures that the landfill meets all local, state, and federal regulatory requirements. Operates and performs field maintenance on equipment used at the landfill. Funds the Household Hazardous Waste Drop-Off site through a contract with the County.

			Figure Voca		
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	2,195,787	2,407,969	2,407,969	2,299,852	2,463,441
Services, Supplies, and Other Charges	1,590,120	2,145,370	2,175,590	1,582,157	2,231,970
Capital Outlay	242,333	175,000	175,000	175,000	810,000
Debt Service	855,371	805,676	805,676	787,247	759,258
Total Expenditures	4,883,610	5,534,015	5,564,235	4,844,256	6,264,669

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7304 ACTIVITY SUMMARY

Fund(s): Refuse (731) Department: Public Works

### **Activity Description:**

Operates and maintains the recycling drop-off and processing center at the City Resource Recovery Facility. Accepts, sorts, and processes recyclable items, such as newspapers, metals, glass, appliances, plastics, etc., and sells materials to commercial markets.

	Fiscal Year 2015 Actuals		Figure 1 Value		
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges Capital Outlay	1,006,618 706,337	1,058,453 818,782	1,058,453 818,782 -	1,016,861 818,730 -	1,119,105 814,132 35,000
Total Expenditures	1,712,955	1,877,235	1,877,235	1,835,591	1,968,237

<sup>\*</sup>Sums may have discrepancies due to rounding

# Resource Recovery Collection - Cart

Activity Number: 7305 ACTIVITY SUMMARY

Fund(s): Refuse (731)
Department: Public Works

### **Activity Description:**

Responsible for collection of refuse, recycling, and organic materials from customers using carts.

			Figure Voca		
	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	1,209,419	1,287,557	1,287,557	1,247,931	1,255,302
Services, Supplies, and Other Charges	872,437	1,003,243	1,032,662	895,037	1,009,993
Capital Outlay	-	32,000	32,000	34,000	-
Debt Service	627,860	590,710	590,710	590,710	578,758
Total Expenditures	2,709,716	2,913,510	2,942,929	2,767,678	2,844,053

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7307 ACTIVITY SUMMARY

Fund(s): Refuse (731)
Department: Public Works

### **Activity Description:**

Responsible for the regular sweeping to remove refuse and debris from streets and bike paths within the commercial and residential areas of the City in order to reduce litter, rodents, and water pollution, and to promote safety.

			Figure I Was a		
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services	433,282	486,628	486,628	437,510	490,105
Services, Supplies, and Other Charges	209,669	221,965	221,965	153,680	220,915
Capital Outlay	321,152	120,000	120,000	99,653	360,000
Debt Service	68,317	69,300	69,300	69,300	70,831
Total Expenditures	1,032,420	897,893	897,893	760,143	1,141,851

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7401 ACTIVITY SUMMARY

Fund(s): Parking (741)
Department: Public Works

### **Activity Description:**

Provides for the management, security, maintenance, enforcement, and collection of all parking meters, garages, and public parking lots within the Downtown Parking District. Directs and administers activities such as bicycle parking, permit programs, lot signage, etc., within the district.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			Figure Voca
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges Capital Outlay Debt Service Total Expenditures	2,284,761 1,188,283 32,183 455,264 3,960,492	2,326,027 1,408,222 28,000 423,167 4,185,416	2,326,027 1,437,222 144,000 423,167 4,330,416	2,498,334 1,391,010 21,000 423,367 4,333,711	2,526,803 1,472,727 112,500 421,867 4,533,897
ACTIVITY RESOURCES:					
Charges for Services Rents, & Misc Revenues	36,543 3,205	-	-	2,853 2,853	-
Total Resources	39,748	-		5,706	

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7306 ACTIVITY SUMMARY

Fund(s): Refuse (731) Department: Public Works

### **Activity Description:**

Promotes waste reduction to meet City and State goals through public information and education programs about solid waste source reduction, reuse, recycling, household hazardous waste disposal, composting, pollution prevention, and related areas.

	Fiscal Year 2015 Actuals	Fiscal Year 2016			Figure Voca
_		Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges Total Expenditures	192,070 108,960 301,031	249,871 175,236 425,107	249,871 178,129 428,000	250,145 169,039 419,184	265,788 178,206 443,994
ACTIVITY RESOURCES:					
Grants	13,089	16,000	17,058	16,922	16,000
Total Resources	13,089	16,000	17,058	16,922	16,000

<sup>\*</sup>Sums may have discrepancies due to rounding

# Storm Water Management

Activity Number: 7501 ACTIVITY SUMMARY

Fund(s): Storm Water & Storm Water Overlay (751 & 752)

**Department: Public Works** 

### **Activity Description:**

Provides funding for various engineering, design, and management services required for implementation of the San Lorenzo River flood control projects, and for federal and state mandated storm water pollution prevention programs.

				Final Van	
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges Debt Service Total Expenditures	110,115 202,343 138,206 450,664	116,487 688,343 197,387 1,002,217	116,487 829,010 197,387 1,142,884	111,829 821,112 197,419 1,130,360	121,682 881,768 207,485 1,210,935
ACTIVITY RESOURCES: Grants	117				
Total Resources	117			<u> </u>	

<sup>\*</sup>Sums may have discrepancies due to rounding

# Storm Water Overlay Debt Service

Activity Number: 7540 ACTIVITY SUMMARY

Fund(s): Storm Water Overlay (752)

**Department: Public Works** 

### **Activity Description:**

Funds principal and interest payments on issued debt.

			<b></b> 134		
	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Debt Service	126,663	180,901	180,901	180,930	190,155
Total Expenditures	126,663	180,901	180,901	180,930	190,155

<sup>\*</sup>Sums may have discrepancies due to rounding

# Mechanical Maintenance

Activity Number: 7831 ACTIVITY SUMMARY

Fund(s): Equipment Operations (811)

**Department: Public Works** 

### **Activity Description:**

Responsible for furnishing maintenance services for City-owned vehicles and mechanical equipment. This activity is supported through vehicle maintenance charges to user departments.

			et l .v		
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Personnel Services Services, Supplies, and Other Charges Capital Outlay  Total Expenditures	1,002,503 2,190,939 32,366 3,225,808	1,119,262 2,288,406 - 3,407,668	1,119,262 2,288,406 14,704 3,422,372	986,528 2,223,700 14,704 3,224,932	1,108,381 2,271,572 - 3,379,953
ACTIVITY RESOURCES:	27.000				
Grants Charges for Services	27,000 37,669	41,000	41,000	37,000	40,000
Total Resources	64,669	41,000	41,000	37,000	40,000

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7832 ACTIVITY SUMMARY

Fund(s): Equipment Operations (811)

**Department: Public Works** 

### **Activity Description:**

Plans, coordinates and manages radio communications systems for all City departments. Responsibilities include administration of the equipment maintenance contract, reassignment of equipment from one department to another and review of the compatibility of new radio purchases with existing systems in the City.

		Fiscal Year 2016			et l .v
_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges Capital Outlay	18,513 -	11,700 20,000	11,700 20,000	11,700 19,569	11,700 20,000
Total Expenditures	18,513	31,700	31,700	31,269	31,700

<sup>\*</sup>Sums may have discrepancies due to rounding

# Employee Commute Van

Activity Number: 7833 ACTIVITY SUMMARY

Fund(s): Equipment Operations (811)

**Department: Public Works** 

### **Activity Description:**

A grant provided by the Monterey Bay Unified Air Pollution Control District was used to purchase an employee commute van and a number of City employees have formed a van pool and pay the costs for the operation and maintenance of the van in an effort to reduce pollution and traffic.

			Fiscal Voor		
	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
EXPENDITURES BY ACTIVITY:					
Services, Supplies, and Other Charges	3,960	2,818	2,818	2,304	2,818
Total Expenditures =	3,960	2,818	2,818	2,304	2,818
ACTIVITY RESOURCES:					
Charges for Services	6,807	4,100	4,100	7,800	7,000
Total Resources	6,807	4,100	4,100	7,800	7,000

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7836 ACTIVITY SUMMARY

Fund(s): Equipment Operations (811)

**Department: Public Works** 

## **Activity Description:**

This activity accounts for costs associated with pool vehicles.

_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges Capital Outlay	41,498 -	37,450 -	37,450 -	49,064 -	37,450 27,772
Total Expenditures =	41,498	37,450	37,450	49,064	65,222
ACTIVITY RESOURCES:					
Charges for Services	362	-	-	-	-
Total Resources	362	-			

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7837 ACTIVITY SUMMARY

Fund(s): Equipment Operations (811)

**Department: Public Works** 

### **Activity Description:**

The City has a cooperative agreement to provide fuel to the Santa Cruz City Schools. This activity accounts for the costs and payments from City Schools for the fuel.

_	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Services, Supplies, and Other Charges	39,305	40,000	40,000	31,235	40,000
Total Expenditures	39,305	40,000	40,000	31,235	40,000

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7835 ACTIVITY SUMMARY

Fund(s): Equipment Operations (811)

**Department: Public Works** 

### **Activity Description:**

The Vehicle Lease Program is an internal lease program for Fleet Services.

			<b></b> 137		
	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>EXPENDITURES BY ACTIVITY:</b>					
Capital Outlay	-	-	-	847,335	556,756
Total Expenditures			-	847,335	556,756
ACTIVITY RESOURCES:					
Charges for Services	-	-	-	353,966	597,268
Total Resources	-		-	353,966	597,268

<sup>\*</sup>Sums may have discrepancies due to rounding

Activity Number: 7838 ACTIVITY SUMMARY

Fund(s): Equipment Operations (811)

**Department: Public Works** 

### **Activity Description:**

This activity accounts for operation and maintenance of the Santa Cruz City Trolley.

			<b></b> 137		
	Fiscal Year 2015 Actuals	Adopted Budget	Amended Budget	Estimated Actual	Fiscal Year 2017 Adopted
<b>ACTIVITY RESOURCES:</b>					
Charges for Services	4,011	-	-	5,500	5,500
Total Resources	4,011	-	-	5,500	5,500

<sup>\*</sup>Sums may have discrepancies due to rounding

# **Public Works**

## **Capital Improvement Projects**

Fund	Project Number	Project Title	Fiscal Year 2016 Estimated	Fiscal Year 2017 Adopted Budget
Gas Tax	c Fund			
221	c401616	Bay and King Streets Protected Left-Turns and Streetlights	336,900	-
221	c401615	Bay Street Sidewalk Completion Infill	627,700	-
221	c401103	Bay/High Intersection Improvements	648,110	-
221	c401303	Beach/Cliff Traffic Signal	230,000	-
221	c400035	Beach/Pacific (Wharf) Intersection Roundabout	166,112	-
221	c401001	Branciforte Creek Bike/Pedestrian Bridge	2,478,515	-
221	m401302	Bridge Maintenance	200,000	-
221	c401210	Chestnut St Emergency Slip Out	31,630	-
221	c401617	Citywide Safe Routes to School Crossing Improvements	1,404,000	-
221	c401602	Citywide Traffic Signal Controller Upgrade	165,000	-
221	c401514	Citywide Traffic Signal Improvements	539,631	-
221	c409321	Murray Street Bridge Seismic Retrofit and Barrier Rail	8,778,943	300,000
221	c401104	Ocean/Broadway Intersection Study	75,000	-
221	c401410	Ocean/Water Intersection Improvements	750,000	-
221	c401202	River/River Street South Intersection Study	158,968	-
221	c401105	Riverside/Second Street Improvements	174,704	-
221	c400058	SLR Trestle Bridge Connections	49,721	-
221	c401003	Soquel/at Frederick Minor Widening	321,822	-
221	c400804	Soquel/Park Way Traffic Signal Improvements	3,127	-
221	c401402	State Route 1 Bridge Replacement	1,350,000	-
221	c400805	State Route 1/9 Intersection Improvements	5,412,791	3,669,000
221	m400819	West Cliff Drive Multi-use Maintenance	354,666	60,000
221	c401211	Westlake Neighborhood Pedestrian Safety	19,837	-
		Total Gas Tax Fund	24,277,177	4,029,000
Clean R	Rivers, Oceans,	& Beaches Fund		
235	c401414	Clean Beach Initiative - Cowell Beach	819,264	-
235	c401614	Cowell Beach Water Quality Project	120,000	-
235	c401415	Downtown Parking Lot #9 LID Retrofit	222,374	-
235	c401603	Harvey West Ball Field Drainage Design	30,000	-
235	c401701	Storm Water Trash Capture Program	-	100,000

## **Capital Improvement Projects**

Fund	Project Number	Project Title	Fiscal Year 2016 Estimated	Fiscal Year 2017 Adopted Budget
		Total Clean Rivers, Oceans, & Beaches Fund	1,191,638	100,000
General	Capital Impro	ovement Fund		
311	c401711	24 Hour Restroom	-	25,000
311	c401401	Arana Gulch Connection - Agnes St	21,609	-
311	c401319	Arana Gulch Multi Use Trail - Broadway/Brommer	21,038	-
311	c401507	Bay Drive Storm Damage Repair	175,000	50,000
311	c401610	Catch Basin Replacement Program	70,000	-
311	c401505	Chestnut Street Storm Drain Replacement	50,000	-
311	c401709	CMP Storm Drain Pipe Replacement	-	50,000
311	c401710	Contra-Flow Bike lane for Pacific Avenue	-	60,000
311	c401308	Curtis Storm Drain - Phase 1	160,000	-
311	c401309	East Cliff Emergency Repair at Alhambra Ave	149,500	-
311	c401611	Front-Pacific Historic Wall Repair	250,000	-
311	c401513	Green Lane Pilot Project	50,000	-
311	c401418	LED light replacement (Citywide) - CEC	703,209	-
311	c401301	Market Street at Goss Minor Widening	200,000	-
311	c401413	MB Sanctuary Scenic Trail (Rail Trail) Segment 7	803,847	3,520,000
311	c401004	Mission Street Hill Utility Undergrounding	60,000	-
311	c401503	Neary Flood Control Pump Station-Steel Pipe Replacement	50,000	-
311	c401417	Ocean St Adaptive Signal Control	209,959	-
311	c401506	Pacific Avenue Streetlight Replacement	20,351	-
311	c401609	Pedestrian Crosswalk Safety Projects	182,436	-
311	c401310	Radar Speed Feedback Signs	63,000	-
311	c401208	Riverside Avenue Improvements Phase II	5,458,353	-
311	c401212	UCSC Smart Bike Lockers	74,861	-
311	c401008	UCSC-City Trans Improvements & Studies	250,000	-
311	c401009	UCSC-City-Clue Public Transportation System Planning	86,605	-
311	c401501	West Cliff Revetment Repair	275,000	250,000
311	m401402	West Cliff Stair Repair	15,657	40,000
		<b>Total General Capital Improvement Fund</b>	9,400,425	3,995,000

**Arterial Streets & Roads Fund** 

# **Public Works**

## **Capital Improvement Projects**

Fund	Project Number	Project Title	Fiscal Year 2016 Estimated	Fiscal Year 2017 Adopted Budget
Arterial	Streets & Roa	ds Fund		
317	c400809	City Arterial and Collector Street Reconstruction and Overlay	13,981,727	1,500,000
317	c400810	City Residential and Collector Street Reconstruction and Overlay	4,837,584	235,000
		Total Arterial Streets & Roads Fund	18,819,311	1,735,000
Wastew	ater Fund			
721	c401406	Eastside Alley Sewer Project	972,299	-
721	m401403	Hagemann Aerial Sewer Rehabilitation	175,000	-
721	c409669	Jesse Street Marsh	133,881	-
721	c401305	Ladera Drive Sewer	400,000	-
721	m409668	Neary Lagoon Park Rehab-Maint. (Annual)	731,305	250,000
721	m401601	Pump Station P11-SP101 Modifications	200,000	-
721	c401315	San Lorenzo River Sanitary Sewer Siphon	307,022	-
721	c401511	Sewer System Improvements	914,505	600,000
721	c401706	Wastewater Treatment Facility Infrastructure and Major Equipment Study	-	80,000
721	m409659	WWTF- Equipment Replacement	744,114	1,700,000
721	c401605	WWTF-Bioassay Laboratory	300,000	-
721	m401201	WWTF-Centrifuge Rebuild	666,918	-
721	c401510	WWTF-County Odor Control System	120,000	-
721	c401608	WWTF-Laboratory Modernization	250,000	-
721	c401604	WWTF-Reclaim Water	250,000	-
721	m401303	WWTF-Secondary Clarifier Repairs	490,533	200,000
721	c401606	WWTF-Sewer Main Rehabilitation	-	1,100,000
721	c401607	WWTF-Upgrade Digester Equipment	100,000	650,000
721	c401407	WWTF-Water Piping Rehabilitation	100,000	-
		Total Wastewater Fund	6,855,577	4,580,000
Refuse l	Fund			
731	c401613	CNG Fueling Station and Fleet Maintenance Shop Safety Improvements	90,000	925,000
731	c401312	Dimeo Lane Paving and Storm Drain	65,294	-
731	c401204	Food Waste Collection and Conversion	77,654	200,000
731	c400046	Landfill Design/ Partial Constr Cell 3	2,434,638	-

# Public Works

## **Capital Improvement Projects**

Fund	Project Number	Project Title	Fiscal Year 2016 Estimated	2017 Adopted Budget
Refuse Fu	und			
731	c401205	Recycling Center Dust Control System	19,567	-
731	c401512	Sanitation Building Shower/Locker Room Expansion	126,179	-
		Total Refuse Fund	2,813,332	1,125,000
Parking F	und			
741	c400053	Downtown Parking Structure	1,500,000	-
741	c400007	Lot 7, Front/Cathcart Rehab	603,962	-
741	c401703	Parking Equipment Replacement - River Front Garage	-	750,000
741	c401508	River-Front and Cedar Garages Deck Restoration	850,000	1,500,000
741	c401509	River-Front Garage Elevator	250,000	-
		Total Parking Fund	3,203,962	2,250,000
Storm Wa	ater Overlay	Fund		
752	c401707	Downtown SLR Drainage System Assessment	-	80,000
752	c401314	San Lorenzo River Levee Storm Drain Maintenance	144,021	-
752	c401207	San Lorenzo River Pump Station #2	135,741	-
752	c409512	SLR Flood Control Environ Rest Project	219,836	-
752	c401416	SLR Parkway Levee Improvements	415,722	-
		Total Storm Water Overlay Fund	915,320	80,000
		Total Public Works Projects	67,476,742	17,894,000