



2013-2014 CAPITAL BUDGET

**2014-2018 CAPITAL
IMPROVEMENT PROGRAM**

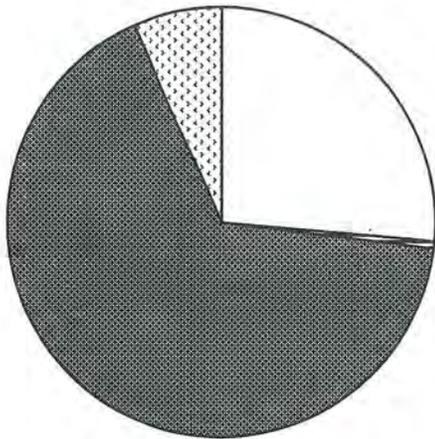


**STORM
SEWER SYSTEM**

STORM SEWER SYSTEM

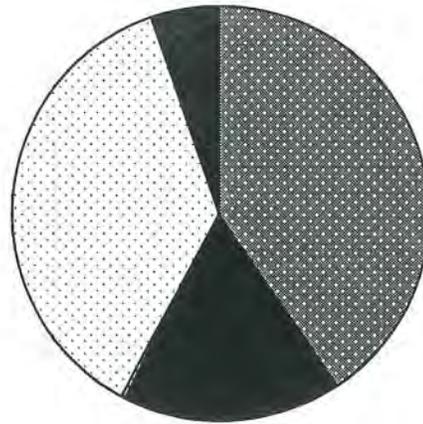
2014-2018 Capital Improvement Program

2013-2014 Adopted
Source of Funds



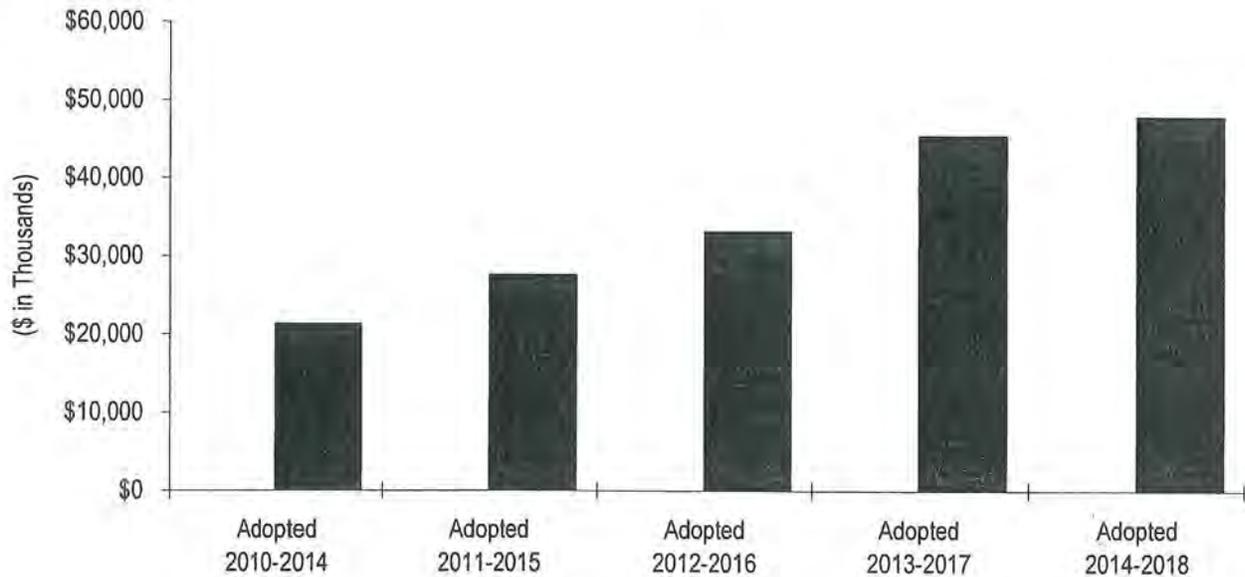
- Beginning Fund Balance
- Taxes, Fees, and Charges
- Loans and Transfers
- ▨ Interest and Miscellaneous

2013-2014 Adopted
Use of Funds



- Construction
- Non-Construction
- ▨ Loans and Transfers
- Reserves
- Ending Fund Balance

CIP History



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Storm Sewer System

2014-2018 Adopted Capital Improvement Program

North

- A) Alviso Pump Station
- B) Alviso Storm Network Infiltration Control
- C) Charcot Storm Pump Station
- D) Gold Street Storm Pump Station Main
- E) Martha Gardens Green Alley
- F) Park Ave. Green Street



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Storm Sewer System

2014-2018 Adopted Capital Improvement Program

South

- G)** Almaden - Canoas Storm Sewer Improvements
- H)** Lower Bird Storm Sewer Improvements
 - I)** Madrona Ave. Storm Replacement
- J)** Upper Bird Storm Sewer Improvements
- K)** Willow Glen - Guadalupe, Phase III



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Storm Sewer System

2014-2018 Adopted Capital Improvement Program

Overview

INTRODUCTION

The Storm Sewer System of the City of San José consists of approximately 1,170 miles of sewer mains and 28 stormwater pump stations. The Storm Sewer System, which is separate from the Sanitary Sewer system, collects storm water and conveys it to nearby creeks and rivers. Most of the stormwater in San José flows from south to north into the Guadalupe River or Coyote Creek. The City shares responsibility for handling stormwater runoff with the Santa Clara Valley Water District and the U.S. Army Corps of Engineers. The City is responsible for designing, constructing, and maintaining facilities for conveyance of stormwater runoff within the City's Urban Service Area to adjacent stream channels in accordance with the available budget and City Council priorities. Most design and construction of flood control facilities and the modification and maintenance of stream channels is the responsibility of the Santa Clara Valley Water District and the U.S. Army Corps of Engineers.

STORM SEWER SYSTEM PUBLIC INFRASTRUCTURE	
MILES OF STORM MAINS	
Smaller than 12" in diameter	80
12" to 18" in diameter	530
Over 18" in diameter	560
NUMBER OF INLETS	34,360
NUMBER OF MANHOLES	26,240
NUMBER OF PUMP STATIONS	28

The 2014-2018 Adopted Capital Improvement Program (CIP) provides funding of \$47.8 million, of which \$27.1 million is allocated in 2013-2014 for master planning and improvements of the Storm Sewer System. This program is part of the Environmental and Utility Services City Service Area (CSA) and supports the following outcome: *Reliable Utility Infrastructure*.

PROGRAM PRIORITIES AND OBJECTIVES

The primary objective of the Storm Sewer Capital Program is to plan and construct improvements to the storm sewer collection system that reduce the risk of flooding and prevent property damage while managing the quality of stormwater runoff. Area-wide drainage capacity projects are identified and developed through the Storm Sewer Master Plan, which is based on the Envision 2040 General Plan (General Plan). The General Plan provides a guide for the Storm Capital Improvement Program to align public storm infrastructure investments with San José's plans for future growth in addition to identifying capacity constraints in the existing system. Projects addressing localized ponding and flooding are generally identified through inspection and maintenance activities.

The Adopted CIP is structured to balance the master planning effort with construction projects that address known areas of ponding and flooding. The 2014-2018 CIP allocates \$8.5 million to the master planning effort and \$23.5 million to construction projects.

SOURCES OF FUNDING

The primary funding sources for the 2014-2018 Adopted Storm Sewer System CIP are transfers from the Storm Sewer Operating Fund and Storm Sewer Connection Fees. Among these revenues, the Storm Sewer Operating Fund transfer continues to be the primary funding source for the program.

Storm Sewer System

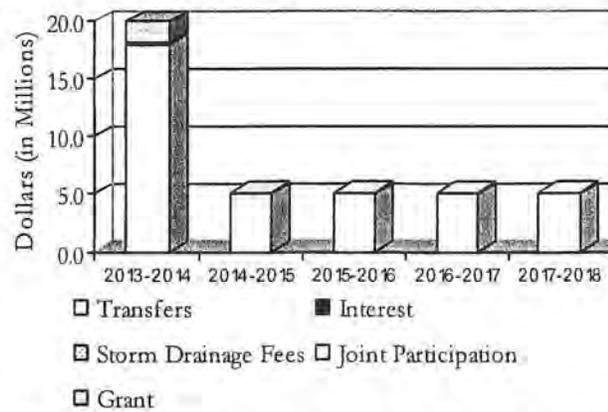
2014-2018 Adopted Capital Improvement Program

Overview

SOURCES OF FUNDING

The transfers in the 2014-2018 Adopted CIP from the Storm Sewer Operating Fund (\$38.0 million) reflect an increase of \$4.4 million (9.8%) compared to the \$34.6 million transfers programmed in the 2013-2017 Adopted CIP. This includes a \$1.0 million additional transfer in anticipation of the additional capital needs due to the Storm Sewer Master Plan effort. The Adopted CIP assumes that no rate increase will be needed for the Storm Sewer Operating Fund for 2013-2014. However, this will be reassessed in the CIP out years upon completion of the initial recommendations from the Storm Sewer Master Plan as described in further detail in the Program Highlights section.

Summary of Revenues



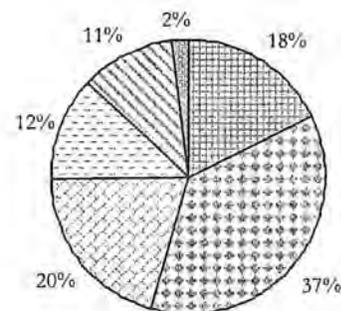
The Adopted CIP includes a California Proposition 84 Stormwater Grant in the amount of \$1.8 million in 2013-2014. This grant will fund the design and construction of the Martha Gardens Green Alley and Park Avenue Green Avenue projects.

The Storm Drainage Fee is charged to developers as a connection fee for any project that will discharge storm water, surface water, or ground water runoff into the City's storm sewer system. The fee is based on the use and size of the parcel being developed. These activities are forecast to increase slightly from prior years in the 2014-2018 Adopted CIP, as the local housing market is recovering gradually from the recession. A corresponding 7.1% increase to Storm Drainage Fee revenues, from \$700,000 in the 2013-2017 Adopted CIP, to \$750,000 in the 2014-2018 Adopted CIP is expected.

PROGRAM HIGHLIGHTS

Projects in this Adopted CIP include the installation of technology and infrastructure to maximize the efficiency of the storm sewer collection system and the reliability of storm pump stations, manage the quality of storm water runoff, and to minimize ponding and flooding in residential areas.

2014-2018 Storm Sewer Expenditures
\$47.8 million



- Master Planning
- Local Flooding Projects
- Other
- Area Flooding Projects
- Rehabilitation Projects
- Ending Fund Balance

Storm Sewer System

2014-2018 Adopted Capital Improvement Program

Overview

PROGRAM HIGHLIGHTS

Storm Sewer Master Plan

The Storm Sewer Master Plan is a comprehensive effort to identify and prioritize needed capacity-related improvements to the storm sewer system by analyzing current conditions and the anticipated future land use developments in the General Plan. This effort will be utilized as the framework for development of future Storm CIPs. A majority of the existing storm sewer system can only effectively convey the storm run-off from a one to a three-year storm event. The improvements recommended by the master plan will be designed to convey storm run-off for a 10-year storm event. Designing for a 10-year storm event is commonly used in the area as the standard to adequately provide flood protection.

The master planning effort began in 2011 with the initial focus in the North San José Development Policy Area. Since then, the master plan has been expanded to analyze the system city-wide. The initial recommendations for the North San José area are expected to be completed in summer 2013. Recommendations for the remaining areas are anticipated to be completed in 2016. The additional \$1.0 million annual transfer from the Storm Sewer Operating Fund, as previously described, will be utilized for this city-wide master planning effort for a total allocation of \$8.5 million for the 2014-2018 Adopted CIP. A key component contributing to the accuracy of the master plan is evaluation and confirmation of the system performance



during rain events. This confirmation is accomplished through the flow monitoring program that installs flow metering equipment at strategic locations throughout the system to capture actual flow data during rain events. The total 2014-2018 Adopted CIP allocation of \$8.5 million for the master plan includes \$2.7 million for flow monitoring activities.

Funding totaling \$23.5 million is programmed in this Adopted CIP for the design and construction of projects grouped into the categories discussed below.

Storm Sewer System

2014-2018 Adopted Capital Improvement Program

Overview

PROGRAM HIGHLIGHTS

Area Flooding and Drainage

Area Flooding projects are those that prevent flooding over larger areas or drainage basins by constructing large diameter storm sewers or new pump stations are identified through past area specific capacity studies and validated through the ongoing master plan effort. Funding totaling \$7.5 million is allocated in this Adopted CIP for area wide projects. The largest projects in this category include the Willow Glen-Guadalupe Phase III Storm Improvements (\$1.7 million) and Alviso Pump Station (\$1.5 million allocated in 2013-2014 for preliminary design and property acquisition with \$10.0 million held in reserve for final design and construction). In addition to the reserved funding, approximately \$18.5 million will be needed to upsize storm sewer pipes in the area and connect to the pump station, bringing the total estimated cost for the Alviso Pump Station to \$30.0 million. The amount of additional funding will be refined upon completion of the initial Master Plan in 2013, which will provide additional guidance as to the scope of the piping upgrades.



El Dorado Street Storm Improvements

Local Flooding

Localized ponding and flooding projects can be addressed by installing new and/or relocated storm inlets, laterals, and the reconstruction of displaced flow lines or minor extensions of local storm sewer systems that are generally identified through reoccurring maintenance activities at specific locations. Funding totaling \$9.7 million is programmed for rehabilitation projects which include: Storm Sewer Improvements-Special Corridors (\$2.8 million) and Minor Neighborhood Storm Sewer Improvements (\$2.7 million).

Rehabilitation of Existing Facilities

The primary focus of rehabilitation projects is to address aging mechanical components at pump stations and outfall structures. These components are either operating inefficiently or reaching the industry standard for useful life. Funding totaling \$6.0 million is programmed for rehabilitation projects which include: Outfall Rehabilitation-Capital (\$2.0 million), Storm Pump Station Rehabilitation and Replacement (\$1.9 million) and Gold Street Storm Pump Station Force Main (\$0.9 million).

Storm Sewer System

2014-2018 Adopted Capital Improvement Program
Overview

PROGRAM HIGHLIGHTS

Urgent Flood Prevention and Repair

Funding totaling \$3.6 million for Urgent Flood Prevention and Repair Projects will be used to address issues which may fall into any of the above categories. These projects are developed in the course of the year in response to urgent needs.

MAJOR CHANGES FROM THE 2013-2017 ADOPTED CIP

Major changes from the 2013-2017 Adopted CIP are summarized below.

- Additional transfer from the Storm Sewer Operating Fund in the amount of \$1 million per year in anticipation of the additional capital needs due to the Storm Sewer Master Plan effort; and
- The majority of the \$13.0 million Reserve for Charcot Pump Station is eliminated and shifted to the Alviso Storm Pump Station Reserve. Funding of \$1.5 million will be utilized for design and property acquisition for the Charcot Pump Station, \$1.5 million will be utilized for initiating preliminary design activities for the Alviso Storm Pump Station, and the remaining \$10 million will be placed in a new Reserve for the Alviso Storm Pump Station. This shift in priority is based on recent staff analysis indicating a large storm event would result in more severe flooding in the Alviso area than the Charcot area.

OPERATING BUDGET IMPACT

The Department of Transportation maintains the City's Storm Sewer System. There are no additional operating and maintenance costs associated with the projects in the 2014-2018 Adopted CIP.

COUNCIL-APPROVED REVISIONS TO THE PROPOSED CAPITAL IMPROVEMENT PROGRAM

The City Council approved the rebudgeting of \$268,000 for two projects: Public Art (\$168,000) and Martha Gardens Green Alley (\$100,000).

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2013-2014 CAPITAL BUDGET

2014-2018 CAPITAL IMPROVEMENT PROGRAM

STORM SEWER SYSTEM

SOURCE OF FUNDS

USE OF FUNDS

SOURCE AND USE OF FUNDS STATEMENTS

2013-2014 USE OF FUNDS BY FUNDING SOURCE

The Source of Funds displays the capital revenues by funding source for each year of the Five-Year Capital Improvement Program. The Use of Funds displays the capital expenditures by line-item for each year of the five-year period. The Source and Use of Funds Statements display major categories of capital revenues and expenditures for each year over the five-year period. The 2013-2014 Use of Funds by Funding Source displays the funding sources for the capital expenditures that are budgeted in 2013-2014.

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Source of Funds (Combined)

SOURCE OF FUNDS	Estimated 2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	5-Year Total
Storm Drainage Fee Fund (413)							
Beginning Fund Balance	354,732	429,232	192,232	179,232	186,232	193,232	429,232 *
Revenue from Other Agencies:							
<u>Other Agencies</u>							
- Joint Participation with the City of Cupertino	4,000	4,000	4,000	4,000	4,000	4,000	20,000
Taxes, Fees and Charges:							
<u>Storm Drainage Fees</u>	200,000	150,000	150,000	150,000	150,000	150,000	750,000
<u>Interest Income</u>	2,000	3,000	1,000	1,000	1,000	1,000	7,000
<u>Reserve for Encumbrances</u>	21,500						
Total Storm Drainage Fee Fund	582,232	586,232	347,232	334,232	341,232	348,232	1,206,232 *
Storm Sewer Capital Fund (469)							
Beginning Fund Balance	11,943,691	6,700,597	1,233,905	572,905	447,905	463,905	6,700,597 *
Revenue from Other Agencies:							
<u>State Government</u>							
- California Proposition 84 Stormwater Grant		1,804,308					1,804,308
Contributions, Loans and Transfers from:							
<u>Special Funds</u>							
- Transfer from Alviso Ring Levee Fund (424)	445,000						
- Transfer from Storm Sewer Operating Fund (446)	5,600,000	18,000,000	5,000,000	5,000,000	5,000,000	5,000,000	38,000,000
<u>Interest Income</u>	26,000	26,000	15,000	15,000	16,000	16,000	88,000
<u>Reserve for Encumbrances</u>	1,862,906						
Total Storm Sewer Capital Fund	19,877,597	26,530,905	6,248,905	5,587,905	5,463,905	5,479,905	46,592,905 *

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Source of Funds (Combined)

SOURCE OF FUNDS (CONT'D.)	Estimated 2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	5-Year Total
TOTAL SOURCE OF FUNDS	20,459,829	27,117,137	6,596,137	5,922,137	5,805,137	5,828,137	47,799,137 *

* The 2014-2015 through 2017-2018 Beginning Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Use of Funds (Combined)

USE OF FUNDS	Estimated 2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	5-Year Total
Construction Projects							
Alviso Storm Rehabilitation	98,000						
Creek Channel Stabilization	37,000						
El Dorado Street Storm Sewer Improvements	365,000						
Gateway East Storm Sewer Improvements	282,000						
Gold Street Storm Drainage Improvements	358,000						
Public Art	3,000	244,000	28,000	21,000	21,000	21,000	335,000
Storm/Sanitary Sewer Separation	376,000						
1. Almaden-Canoas Storm Sewer Improvements		202,000	700,000				902,000
2. Alviso Storm Network Infiltration Control	694,000	659,000	47,000				706,000
3. Alviso Storm Pump Station		1,500,000					1,500,000
4. Charcot Storm Pump Station at Coyote Creek		1,500,000					1,500,000
5. Gold Street Storm Pump Station Force Main	115,000	811,000	100,000				911,000
6. Lower Bird Avenue Storm Sewer Improvements	659,000	125,000					125,000
7. Madrona Avenue Storm Sewer Improvements		336,000					336,000
8. Martha Gardens Green Alley	65,000	1,273,000					1,273,000
9. Minor Neighborhood Storm Sewer Improvements	1,025,000	500,000	350,000	600,000	600,000	600,000	2,650,000
10. Outfall Rehabilitation - Capital	450,000	350,000	200,000	400,000	500,000	500,000	1,950,000
11. Park Avenue Green Avenue	20,000	1,186,000					1,186,000
12. Storm Pump Station Rehabilitation and Replacement	2,028,000	600,000	200,000	300,000	500,000	300,000	1,900,000

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Use of Funds (Combined)

USE OF FUNDS (CONT'D.)	Estimated 2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	5-Year Total
<u>Construction Projects</u>							
13. Storm Sewer Improvements - Special Corridors	2,043,000	500,000	200,000	600,000	750,000	750,000	2,800,000
14. Upper Bird Avenue Storm Sewer Improvements	600,000	125,000					125,000
15. Urgent Flood Prevention and Repair Projects	1,081,000	800,000	510,000	650,000	800,000	800,000	3,560,000
16. Willow Glen-Guadalupe, Phase III		300,000	1,100,000	300,000			1,700,000
Total Construction Projects	10,299,000	11,011,000	3,435,000	2,871,000	3,171,000	2,971,000	23,459,000
<u>Non-Construction</u>							
General Non-Construction							
Capital Program and Public Works Department Support Service Costs	737,000	824,000	421,000	425,000	429,000	433,000	2,532,000
Infrastructure Management System	99,000	8,000	8,000	8,000	8,000	8,000	40,000
Rincon Storm System Study	100,000						
Storm Sewer Fee Study	19,000						
Storm Sewer Master Plan - North San José	277,000						
17. Fee Administration	25,000	25,000	30,000	30,000	30,000	30,000	145,000
18. Flow Monitoring Program	144,000	997,000	620,000	620,000	250,000	250,000	2,737,000
19. Permit Review and Inspection for Outside Agencies	60,000	50,000	25,000	25,000	25,000	25,000	150,000
20. Preliminary Engineering	259,000	180,000	160,000	160,000	160,000	160,000	820,000
21. Program Management	160,000	150,000	150,000	150,000	150,000	150,000	750,000
22. Storm Sewer Master Plan - City-wide	1,071,000	2,348,000	891,000	891,000	809,000	809,000	5,748,000
Total General Non-Construction	2,951,000	4,582,000	2,305,000	2,309,000	1,861,000	1,865,000	12,922,000

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Use of Funds (Combined)

USE OF FUNDS (CONT'D.)	Estimated 2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	5-Year Total
Non-Construction							
Contributions, Loans and Transfers to General Fund							
Transfer to the General Fund:	2,000	2,000	1,000	1,000	1,000	1,000	6,000
Interest Income							
Total Contributions, Loans and Transfers to General Fund	2,000	2,000	1,000	1,000	1,000	1,000	6,000
Contributions, Loans and Transfers to Special Funds							
Transfer to the City Hall Debt Service Fund	78,000	96,000	103,000	107,000	115,000	122,000	543,000
Total Contributions, Loans and Transfers to Special Funds	78,000	96,000	103,000	107,000	115,000	122,000	543,000
Reserves							
Reserve for Alviso Storm Pump Station		10,000,000					10,000,000
Total Reserves		10,000,000					10,000,000
Total Non-Construction	3,031,000	14,680,000	2,409,000	2,417,000	1,977,000	1,988,000	23,471,000
Ending Fund Balance	7,129,829	1,426,137	752,137	634,137	657,137	869,137	869,137*
TOTAL USE OF FUNDS	20,459,829	27,117,137	6,596,137	5,922,137	5,805,137	5,828,137	47,799,137*

* The 2013-2014 through 2016-2017 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Storm Drainage Fee Fund (413)
Statement of Source and Use of Funds

	<u>Estimated 2012-2013</u>	<u>2013-2014</u>	<u>2014-2015</u>	<u>2015-2016</u>	<u>2016-2017</u>	<u>2017-2018</u>	<u>5-Year Total</u>
<u>SOURCE OF FUNDS</u>							
Beginning Fund Balance *	354,732	429,232	192,232	179,232	186,232	193,232	429,232
Interest Income	2,000	3,000	1,000	1,000	1,000	1,000	7,000
Reserve for Encumbrances	21,500						
Revenue from Other Agencies	4,000	4,000	4,000	4,000	4,000	4,000	20,000
Taxes, Fees and Charges	200,000	150,000	150,000	150,000	150,000	150,000	750,000
TOTAL SOURCE OF FUNDS	<u>582,232</u>	<u>586,232</u>	<u>347,232</u>	<u>334,232</u>	<u>341,232</u>	<u>348,232</u>	<u>1,206,232</u>
<u>USE OF FUNDS</u>							
Construction Projects	122,000	50,000	60,000	50,000	50,000	50,000	260,000
Contributions, Loans and Transfers	2,000	2,000	1,000	1,000	1,000	1,000	6,000
Non-Construction	29,000	342,000	107,000	97,000	97,000	97,000	740,000
Reserves							
Ending Fund Balance **	429,232	192,232	179,232	186,232	193,232	200,232	200,232
TOTAL USE OF FUNDS	<u>582,232</u>	<u>586,232</u>	<u>347,232</u>	<u>334,232</u>	<u>341,232</u>	<u>348,232</u>	<u>1,206,232</u>

* The 2014-2015 through 2017-2018 Beginning Fund Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

** The 2013-2014 through 2016-2017 Ending Fund Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Storm Sewer Capital Fund (469)

Statement of Source and Use of Funds

	<u>Estimated 2012-2013</u>	<u>2013-2014</u>	<u>2014-2015</u>	<u>2015-2016</u>	<u>2016-2017</u>	<u>2017-2018</u>	<u>5-Year Total</u>
<u>SOURCE OF FUNDS</u>							
Beginning Fund Balance *	11,943,691	6,700,597	1,233,905	572,905	447,905	463,905	6,700,597
Contributions, Loans and Transfers	6,045,000	18,000,000	5,000,000	5,000,000	5,000,000	5,000,000	38,000,000
Interest Income	26,000	26,000	15,000	15,000	16,000	16,000	88,000
Reserve for Encumbrances	1,862,906						
Revenue from Other Agencies		1,804,308					1,804,308
TOTAL SOURCE OF FUNDS	<u>19,877,597</u>	<u>26,530,905</u>	<u>6,248,905</u>	<u>5,587,905</u>	<u>5,463,905</u>	<u>5,479,905</u>	<u>46,592,905</u>
<u>USE OF FUNDS</u>							
Construction Projects	10,177,000	10,961,000	3,375,000	2,821,000	3,121,000	2,921,000	23,199,000
Contributions, Loans and Transfers	78,000	96,000	103,000	107,000	115,000	122,000	543,000
Non-Construction	2,922,000	4,240,000	2,198,000	2,212,000	1,764,000	1,768,000	12,182,000
Reserves		10,000,000					10,000,000
Ending Fund Balance **	6,700,597	1,233,905	572,905	447,905	463,905	668,905	668,905
TOTAL USE OF FUNDS	<u>19,877,597</u>	<u>26,530,905</u>	<u>6,248,905</u>	<u>5,587,905</u>	<u>5,463,905</u>	<u>5,479,905</u>	<u>46,592,905</u>

* The 2014-2015 through 2017-2018 Beginning Fund Balances are excluded from the FIVE-YEAR TOTAL SOURCE OF FUNDS to avoid multiple counting of the same funds.

** The 2013-2014 through 2016-2017 Ending Fund Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
2013-2014 Use of Funds by Funding Source

	(413) Storm Drainage Fee Fund	(469) Storm Sewer Capital Fund	Total
TOTAL RESOURCES	586,232	26,530,905	27,117,137

Construction Projects

V - 132

		244,000	244,000
1.	Public Art		
	Almaden-Canoas Storm Sewer Improvements	202,000	202,000
2.	Alviso Storm Network Infiltration Control	659,000	659,000
3.	Alviso Storm Pump Station	1,500,000	1,500,000
4.	Charcot Storm Pump Station at Coyote Creek	1,500,000	1,500,000
5.	Gold Street Storm Pump Station Force Main	811,000	811,000
6.	Lower Bird Avenue Storm Sewer Improvements	125,000	125,000
7.	Madrona Avenue Storm Sewer Improvements	336,000	336,000
8.	Martha Gardens Green Alley	1,273,000	1,273,000
9.	Minor Neighborhood Storm Sewer Improvements	500,000	500,000
10.	Outfall Rehabilitation - Capital	350,000	350,000
11.	Park Avenue Green Avenue	1,186,000	1,186,000
12.	Storm Pump Station Rehabilitation and Replacement	600,000	600,000
13.	Storm Sewer Improvements - Special Corridors	500,000	500,000
14.	Upper Bird Avenue Storm Sewer Improvements	125,000	125,000

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
2013-2014 Use of Funds by Funding Source

	(413) Storm Drainage Fee Fund	(469) Storm Sewer Capital Fund	Total
<u>Construction Projects</u>			
15. Urgent Flood Prevention and Repair Projects	50,000	750,000	800,000
16. Willow Glen-Guadalupe, Phase III		300,000	300,000
<u>Total Construction Projects</u>	50,000	10,961,000	11,011,000
<u>Non-Construction</u>			
General Non-Construction			
Capital Program and Public Works Department Support Service Costs Infrastructure Management System	17,000	807,000	824,000
		8,000	8,000
17. Fee Administration	25,000		25,000
18. Flow Monitoring Program		997,000	997,000
19. Permit Review and Inspection for Outside Agencies		50,000	50,000
20. Preliminary Engineering		180,000	180,000
21. Program Management		150,000	150,000
22. Storm Sewer Master Plan - City-wide	300,000	2,048,000	2,348,000
Total General Non-Construction	342,000	4,240,000	4,582,000

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
2013-2014 Use of Funds by Funding Source

	(413) Storm Drainage Fee Fund	(469) Storm Sewer Capital Fund	Total
<u>Non-Construction</u>			
Contributions, Loans and Transfers to General Fund			
Transfer to the General Fund: Interest Income	2,000		2,000
Total Contributions, Loans and Transfers to General Fund	2,000		2,000
Contributions, Loans and Transfers to Special Funds			
Transfer to the City Hall Debt Service Fund		96,000	96,000
Total Contributions, Loans and Transfers to Special Funds		96,000	96,000
Reserves			
Reserve for Alviso Storm Pump Station		10,000,000	10,000,000
Total Reserves		10,000,000	10,000,000
<u>Total Non-Construction</u>	344,000	14,336,000	14,680,000

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
2013-2014 Use of Funds by Funding Source

	(413) Storm Drainage Fee Fund	(469) Storm Sewer Capital Fund	Total
Ending Fund Balance	192,232	1,233,905	1,426,137
TOTAL USE OF FUNDS	586,232	26,530,905	27,117,137

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2013-2014 CAPITAL BUDGET

2014-2018 CAPITAL IMPROVEMENT PROGRAM



STORM SEWER SYSTEM

DETAIL OF CONSTRUCTION PROJECTS

DETAIL OF NON-CONSTRUCTION PROJECTS

The Detail of Construction Projects section provides information on the individual construction projects with funding in 2013-2014. The Detail of Non-Construction Projects section is abbreviated and provides information on the individual non-construction project, with funding in 2013-2014. On the Use of Funds statement, these projects are numbered.

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

1. Almaden-Canoas Storm Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2013
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2015
Council District:	6	Revised Completion Date:	
Location:	Canoas Garden area bounded by Almaden Expressway, Ironwood Drive and Blue Jay Drive		
Description:	This project will reconstruct approximately 1,000 feet of storm sewer to cross connect two parallel storm systems. This will create additional capacity and redundancy to the systems in this flood prone area.		
Justification:	This project will improve drainage and sewer capacity.		

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development				45					45		45
Design				150					150		150
Bid & Award				7					7		7
Construction					674				674		674
Post Construction					26				26		26
TOTAL				202	700				902		902

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund											
			202	700					902		902
TOTAL			202	700					902		902

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2013-2014	Appn. #:	7622
Initial Project Budget:	\$902,000	USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

2. Alviso Storm Network Infiltration Control

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2011
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2012
Council District:	4	Revised Completion Date:	3rd Qtr. 2015
Location:	Alviso		

Description: This project will reduce infiltration from ground water sources into the Alviso storm sewer network. All storm sewers greater than 27-inches in diameter, which is approximately 9,000 feet, will be assessed for infiltration. Sewers with infiltration will be rehabilitated.

Justification: This project will maximize the efficiency of the Alviso storm sewer network by reducing the need for the Gold Street Pump Station to continuously pump infiltrated ground water into the Guadalupe River. This will extend the life of the pump station and increase the pipe capacity for actual stormwater runoff.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development	1			19					19		20
Design		160	160	77					77		237
Bid & Award		7	7	7					7		14
Construction		1,027	527	556	43				599		1,126
Post Construction					4				4		4
TOTAL	1	1,194	694	659	47				706		1,401

FUNDING SOURCE SCHEDULE (000'S)											
Storm Sewer Capital Fund	1	1,194	694	659	47				706		1,401
TOTAL	1	1,194	694	659	47				706		1,401

ANNUAL OPERATING BUDGET IMPACT (000'S)										
None										

Major Changes in Project Cost:

2014-2018 CIP - Increase of \$201,000 due to refinement of project scope to include all storm sewers greater than 27-inches in diameter, which is approximately 9,000 feet.

Notes:

FY Initiated:	2011-2012	Appn. #:	7351
Initial Project Budget:	\$1,200,000	USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

3. Alviso Storm Pump Station

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2013
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2014
Council District:	4	Revised Completion Date:	
Location:	Alviso		
 Description:	This project will determine the feasibility and complete initial design of constructing a new storm pump station or upgrading the existing Gold Street Storm pump station to provide the Alviso area with flood protection from a 10-year storm event.		
 Justification:	This project will provide the necessary storm sewer capacity to protect the Alviso area from damage during a 10-year storm event.		

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development				22					22		22
Property & Land				55					55		55
Design				1,398					1,398		1,398
Bid & Award				25					25		25
TOTAL				1,500					1,500		1,500

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund		1,500		1,500	1,500
TOTAL		1,500		1,500	1,500

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

2014-2018 CIP - The Initial Start Date and Initial End Date refer to the project feasibility and initial design. Funding for final design and construction remain in the Reserve for Alviso Storm Pump Station and will be used in the out years.

FY Initiated:	2013-2014	Appn. #:	7623
Initial Project Budget:	\$1,500,000	USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

4. Charcot Storm Pump Station at Coyote Creek

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2013
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2014
Council District:	4	Revised Completion Date:	
Location:	Charcot Avenue at Coyote Creek		

Description: This project allocates funding for a new pump station at Charcot Avenue by Coyote Creek that will have a capacity of approximately 300 cubic feet per second.

Justification: This project will provide the necessary storm sewer capacity to protect the area roughly bounded by Highway 101, North First Street, Highway 880 and Charcot Road from damage during a 10-year storm event.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development				22					22		22
Property & Land				55					55		55
Design				1,398					1,398		1,398
Bid & Award				25					25		25
TOTAL				1,500					1,500		1,500

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund	1,500	1,500	1,500
TOTAL	1,500	1,500	1,500

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

Funding in 2013-2014 will be for the design of the Charcot Storm Pump Station. Construction will occur after 2014-2018 and costs are undetermined.

FY Initiated:	2013-2014	Appn. #:	7595
Initial Project Budget:	\$1,500,000	USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

5. Gold Street Storm Pump Station Force Main

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2011
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	2nd Qtr. 2013
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2012
Council District:	4	Revised Completion Date:	2nd. Qtr. 2015
Location:	From Gold Street Pump Station, along Elizabeth Street and Hope Street, to Guadalupe River		

Description: This allocation funds the rehabilitation of the 1,200 foot existing force main or construction of a new force main connecting the Gold Street Pump Station to the Guadalupe River.

Justification: Gold Street Pump Station is the only outlet for the Alviso storm sewer network. The existing force main connects the station to the Guadalupe River. The City has identified a number of necessary improvements, but access to the force main is very difficult and costly due to its alignment through numerous parcels located in an environmentally sensitive area. In addition, due to its size, the existing force main limits any structural upgrades to the Gold Street Pump Station. This project will evaluate whether construction of a new force main will maximize the performance of the pump station, extend its useful life, minimize maintenance requirements for the force main, and facilitate access for routine maintenance activities. Rehabilitation of the existing force main or construction of a new force main will be based on the cost/benefit analysis. This analysis will be conducted during the development phase of this project.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development				104					104		104
Design		70	70	89					89		159
Bid & Award		5	5								5
Construction		840	40	618	95				713		753
Post Construction					5				5		5
TOTAL		915	115	811	100				911		1,026

FUNDING SOURCE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Storm Sewer Capital Fund		915	115	811	100				911		1,026
TOTAL		915	115	811	100				911		1,026

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2014-2018 CIP - Increase of \$106,000 due to scope change, which includes modification of the pump station wet well.

Notes:

The preliminary design and feasibility analysis have not been completed to determine if the existing force main will be rehabilitated or whether a new force main will be constructed.

FY Initiated:	2011-2012	Appn. #:	7353
Initial Project Budget:	\$920,000	USGBC LEED:	N/A

Storm Sewer System

2014-2018 Adopted Capital Improvement Program Detail of Construction Projects

6. Lower Bird Avenue Storm Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2010
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2012
Council District:	6	Revised Completion Date:	2nd Qtr. 2014
Location:	Along Bird Avenue between Cristina Avenue and Minnesota Avenue		

Description: This allocation provides funding to relieve on-street ponding by re-establishing approximately 1,020 feet of deteriorated flow line with new curb and gutter and installing approximately 200 feet of new storm drain system.

Justification: This project will improve the storm drainage system and relieve on-street ponding in the neighborhood while increasing the storm drain capacity, maintaining system reliability, and minimizing maintenance costs.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development	25										25
Design	95										95
Bid & Award											
Construction		639	639	114					114		753
Post Construction		20	20	11					11		31
TOTAL	120	659	659	125					125		904

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund	120	659	659	125					125		904
TOTAL	120	659	659	125					125		904

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2012-2016 CIP - Increase of \$309,000 to reflect an increase to the scope of the project to include pavement and curb and gutter work.

2014-2018 CIP - Increase of \$125,000 due to increase of scope to include additional storm inlets and piping.

Notes:

FY Initiated:	2010-2011	Appn. #:	7235
Initial Project Budget:	\$470,000	USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

7. Madrona Avenue Storm Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2013
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2014
Council District:	6	Revised Completion Date:	
Location:	Madrona Avenue from Cherry Avenue to Eastern Terminus		

Description: This project disconnects existing storm sewer lateral from the sanitary sewer system and installs approximately 230 linear feet of new 15-inch storm sewers.

Justification: This project will address ponding on Madrona Avenue. It will also eliminate stormwater from being unnecessarily treated as sanitary sewage.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development				14					14		14
Design				45					45		45
Bid & Award				4					4		4
Construction				266					266		266
Post Construction				7					7		7
TOTAL				336					336		336

FUNDING SOURCE SCHEDULE (000'S)			
Funding Source	2013-14	5-Year Total	Project Total
Storm Sewer Capital Fund	336	336	336
TOTAL	336	336	336

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2013-2014	Appn. #:	7596
Initial Project Budget:	\$336,000	USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

8. Martha Gardens Green Alley

CSA:	Environmental and Utility Services	Initial Start Date:	2nd Qtr. 2013
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2014
Council District:	3	Revised Completion Date:	
Location:	Alleyways extending from Magaret Street (Alleyway terminus at I-880) to Martha Street, between Second and Third streets		
Description:	This project will construct a drainage system using underground infiltration facilities with a permeable surface. In addition, the project will reconstruct the alleyways to prevent standing water and provide suitable vehicular travel way.		
Justification:	This allocation is needed to address residents' request to improve longstanding drainage issues within the alleyways. In addition, this project will address community aesthetics, provide improved vehicular travel way, and install green stormwater infrastructure that will result in a reduction of stormwater pollutants entering local creeks and waterways. Funds in this appropriation will be utilized for the required local match for the California Proposition 84 Stormwater Grant for green stormwater improvements obtained by the Environmental Services Department.		

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development		40	40								40
Design		353	25	133					133		158
Bid & Award				35					35		35
Construction				1,085					1,085		1,085
Post Construction				20					20		20
TOTAL		393	65	1,273					1,273		1,338

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund		393	65	1,273					1,273		1,338
TOTAL		393	65	1,273					1,273		1,338

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2014-2018 CIP - Increase of \$945,000 due to an increase in project scope related to the California Proposition 84 grant requirements.

Notes:

A portion of the California Proposition 84 Stormwater Grant (\$945,180) and a local match of \$393,000 will fund this project.

FY Initiated:	2012-2013	Appn. #:	2035
Initial Project Budget:	\$393,000	USGBC LEED:	N/A

Storm Sewer System

2014-2018 Adopted Capital Improvement Program Detail of Construction Projects

10. Outfall Rehabilitation - Capital

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation funds the construction or rehabilitation of storm drain outfalls at various locations throughout the City. The Department of Transportation (DOT) has identified more than 250 outfalls that are missing, deteriorated, or in need of improvement to bring them to current design standards. This ongoing allocation funds the most critical outfall construction based on priorities jointly established by DOT, the Department of Public Works, and the Santa Clara Valley Water District.

Justification: This project will repair aging outfall structures, enhance erosion protection, and alleviate maintenance operations.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Construction Planning and Engineering		750	450	350	200	400	500	500	1,950		
TOTAL		750	450	350	200	400	500	500	1,950		

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund		750	450	350	200	400	500	500	1,950
TOTAL		750	450	350	200	400	500	500	1,950

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

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

FY Initiated:	Ongoing	Appn. #:	4245
Initial Project Budget:		USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

11. Park Avenue Green Avenue

CSA:	Environmental and Utility Services	Initial Start Date:	2nd Qtr. 2013
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2014
Council District:	6	Revised Completion Date:	
Location:	Park Avenue between Meridian Avenue and Sunol Street		

Description: This project will install biotreatment areas along Park Avenue between Meridian Avenue and Sunol Street in order to provide stormwater treatment for this segment of Park Avenue.

Justification: This project incorporates stormwater quality treatment using biotreatment areas, a Low Impact Development (LID) practice, to capture and treat stormwater. Installation of treatment measures such as these is expected to reduce the pollutants entering our local creeks and waterways from City streets. In addition, this project will allow the Environmental Services Department to monitor the effectiveness of retrofitting an existing urban street with biotreatment areas. Funds in this appropriation will be utilized for the required local match for the California Proposition 84 Stormwater Grant for green stormwater improvements obtained by the Environmental Services Department.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development		20	20								20
Design		106		106					106		106
Bid & Award		5		5					5		5
Construction		211		1,070					1,070		1,070
Post Construction		5		5					5		5
TOTAL		347	20	1,186					1,186		1,206

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund	347	20	1,186	1,186	1,206
TOTAL	347	20	1,186	1,186	1,206

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2014-2018 CIP - Increase of \$859,000 due to an increase in project scope related to the California Proposition 84 grant requirements.

Notes:

A portion of the California Proposition 84 Stormwater Grant (\$859,128) and a local match of \$347,000 will fund this project.

FY Initiated:	2012-2013	Appn. #:	7500
Initial Project Budget:	\$347,000	USGBC LEED:	N/A

Storm Sewer System

2014-2018 Adopted Capital Improvement Program Detail of Construction Projects

12. Storm Pump Station Rehabilitation and Replacement

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation funds the rehabilitation, reconstruction, or replacement of aging pump stations that require high maintenance.

Justification: Rehabilitating, redesigning, and/or replacing aging pump stations will achieve cost savings, optimize pump station performance, and enhance the efficiency of the storm system.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development		30	30	3	3	3	3	3	15		
Design		680	680	56	56	56	56	56	280		
Bid & Award		35	35	8	3	3	3	3	20		
Construction		1,553	1,253	515	136	236	436	236	1,559		
Post Construction		30	30	18	2	2	2	2	26		
TOTAL		2,328	2,028	600	200	300	500	300	1,900		

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund		2,328	2,028	600	200	300	500	300	1,900		
TOTAL		2,328	2,028	600	200	300	500	300	1,900		

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

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

FY Initiated:	Ongoing	Appn. #:	5150
Initial Project Budget:		USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

13. Storm Sewer Improvements - Special Corridors

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation funds the investigation of ponding complaints; development of strategies to improve local drainage with the reconstruction of curbs, gutters, and other infrastructure; development of construction plans; and construction and associated management. This allocation will also provide for the Department of Public Works staff to document ponding problems that staff observes and reports, with a focus on areas with heavy pedestrian activity, such as school routes and near community centers, libraries, and other public facilities.

Justification: This project will help address storm water ponding within neighborhoods, which has the capacity to cause localized flooding problems and impede pedestrian accessibility.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development		23	23	15	15	15	15	15	75		
Design		285	285	60	40	80	90	90	360		
Bid & Award		34	34	10	10	10	10	10	50		
Construction		1,678	1,678	410	130	490	630	630	2,290		
Post Construction		23	23	5	5	5	5	5	25		
TOTAL		2,043	2,043	500	200	600	750	750	2,800		

FUNDING SOURCE SCHEDULE (000'S)

Storm Sewer Capital Fund		2,043	2,043	500	200	600	750	750	2,800
TOTAL		2,043	2,043	500	200	600	750	750	2,800

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

Project schedule dates and selected budget information are not provided due to the ongoing nature of this project. Prior to the 2012-2016 CIP, this project was titled "Storm Drainage Improvements - Special Corridors".

FY Initiated:	Ongoing	Appn. #:	5046
Initial Project Budget:		USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

14. Upper Bird Avenue Storm Sewer Improvements

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2012
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2014
Council District:	6	Revised Completion Date:	
Location:	Bird Avenue between Coe Avenue and Iris Gardens Court		
Description:	This project upgrades the existing capacity of the storm drainage system to meet City standards. This allocation will help to alleviate the drainage problem on Bird Avenue caused by street, curb, and gutter settlement.		
Justification:	This project is needed to alleviate the drainage problem on Bird Avenue.		

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development		25	25								25
Design		100	100								100
Bid & Award		5	5								5
Construction		460	460	114					114		574
Post Construction		10	10	11					11		21
TOTAL		600	600	125					125		725

FUNDING SOURCE SCHEDULE (000'S)						
Funding Source	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	5-Year Total
Storm Sewer Capital Fund	600	600	125			125
TOTAL	600	600	125			125

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

2014-2018 CIP - Increase of \$125,000 due to increase of scope to include additional storm inlets and piping.

Notes:

FY Initiated:	2012-2013	Appn. #:	7444
Initial Project Budget:	\$600,000	USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

15. Urgent Flood Prevention and Repair Projects

CSA:	Environmental and Utility Services	Initial Start Date:	Ongoing
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	Ongoing
Council District:	City-wide	Revised Completion Date:	
Location:	City-wide		

Description: This allocation funds unscheduled engineering and construction projects on an as-needed basis, including participation in cooperative projects with other agencies in support of the City's storm sewer system.

Justification: These funds provide for unanticipated projects that are necessary to ensure public health and safety.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development		10	10	10	10	10	10	10	50		
Design		100	100	90	60	70	90	90	400		
Bid & Award		10	10	10	10	10	10	10	50		
Construction		1,561	961	690	430	560	690	690	3,060		
TOTAL		1,681	1,081	800	510	650	800	800	3,560		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund	122	122	50	60	50	50	50	260
Storm Sewer Capital Fund	1,559	959	750	450	600	750	750	3,300
TOTAL	1,681	1,081	800	510	650	800	800	3,560

ANNUAL OPERATING BUDGET IMPACT (000'S)

None

Major Changes in Project Cost:

N/A

Notes:

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

FY Initiated:	Ongoing	Appn. #:	4287
Initial Project Budget:		USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Construction Projects

16. Willow Glen-Guadalupe, Phase III

CSA:	Environmental and Utility Services	Initial Start Date:	3rd Qtr. 2013
CSA Outcome:	Reliable Utility Infrastructure	Revised Start Date:	
Department:	Public Works	Initial Completion Date:	2nd Qtr. 2016
Council District:	6	Revised Completion Date:	
Location:	Bounded by Newport Avenue, Pine Avenue, Cherry, and Glenwood Avenues		
Description:	This project will install approximately 2,800 linear feet of 24-inch to 42-inch diameter reinforced concrete pipe, storm drain inlets, and storm manholes along various streets in the Willow Glen neighborhood to relieve drainage problems in the area.		
Justification:	Increase the capacity of the storm sewer system to protect the area from a 10-year storm event.		

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Development			82						82		82
Design			209						209		209
Bid & Award			9						9		9
Construction				1,100		282			1,382		1,382
Post Construction						18			18		18
TOTAL				300	1,100	300			1,700		1,700

FUNDING SOURCE SCHEDULE (000'S)											
Storm Sewer Capital Fund				300	1,100	300			1,700		1,700
TOTAL				300	1,100	300			1,700		1,700

ANNUAL OPERATING BUDGET IMPACT (000'S)											
None											

Major Changes in Project Cost:

None

Notes:

FY Initiated:	2013-2014	Appn. #:	7597
Initial Project Budget:	\$1,700,000	USGBC LEED:	N/A

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Non-Construction Projects

17. Fee Administration

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation provides funding for the Department of Public Works Development Program to collect Storm Drainage Fees.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Program Management		25	25	25	30	30	30	30	145		
TOTAL		25	25	25	30	30	30	30	145		
FUNDING SOURCE SCHEDULE (000'S)											
Storm Drainage Fee Fund		25	25	25	30	30	30	30	145		
TOTAL		25	25	25	30	30	30	30	145		

Notes:
Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 5411

18. Flow Monitoring Program

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation funds the installation of flow monitors and rain gauges to measure the actual amount of flow in the pipe at certain points in the storm sewer network based on a measured amount of rainfall. This information will validate the Master Plan modeling effort and design assumptions by providing actual data in order to analyze the relationship between the amount of rainfall, the amount of stormwater runoff, and the type of storm drain (inlet, pipe, pump station, outfall, etc.).

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Construction Program Management Planning and Engineering	56 13	5 139	5 139	997	620	620	250	250	2,737		61 2,889
TOTAL	69	144	144	997	620	620	250	250	2,737		2,950
FUNDING SOURCE SCHEDULE (000'S)											
Storm Drainage Fee Fund		2-									2
Storm Sewer Capital Fund	67	144	144	997	620	620	250	250	2,737		2,948
TOTAL	69	144	144	997	620	620	250	250	2,737		2,950
Appn. #:	5867										

Storm Sewer System

2014-2018 Adopted Capital Improvement Program Detail of Non-Construction Projects

19. Permit Review and Inspection for Outside Agencies

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation funds the review and inspection of Santa Clara Valley Water District (SCVWD) projects. The City and the SCVWD do not charge one another for these services.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Program Management		60	60	50	25	25	25	25	150		
TOTAL		60	60	50	25	25	25	25	150		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund											
Storm Sewer Capital Fund		60	60	50	25	25	25	25	150		
TOTAL		60	60	50	25	25	25	25	150		

Notes:

This project was previously titled "Permit Review and Inspection for SCVWD". Selected budget information is not provided due to the ongoing nature of this project.

Appn. #: 7075

20. Preliminary Engineering

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation supports preliminary engineering for projects related to the storm sewer system, including surveys and evaluations of project impacts on the storm sewer system.

EXPENDITURE SCHEDULE (000'S)

Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Planning and Engineering		259	259	180	160	160	160	160	820		
TOTAL		259	259	180	160	160	160	160	820		

FUNDING SOURCE SCHEDULE (000'S)

Storm Drainage Fee Fund											
Storm Sewer Capital Fund		259	259	180	160	160	160	160	820		
TOTAL		259	259	180	160	160	160	160	820		

Notes:

Selected budget information is not provided due to the ongoing nature of this project.

Appn. #: 4284

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Detail of Non-Construction Projects

21. Program Management

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation provides funding for the monitoring of storm-related capital improvement projects, the floodwatch program, and the preparation of the Storm Sewer System Capital Improvement Program.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Program Management		160	160	150	150	150	150	150	750		
TOTAL		160	160	150	150	150	150	150	750		
FUNDING SOURCE SCHEDULE (000'S)											
Storm Drainage Fee Fund											
Storm Sewer Capital Fund		160	160	150	150	150	150	150	750		
TOTAL		160	160	150	150	150	150	150	750		

Notes:
 Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 4286

22. Storm Sewer Master Plan - City-wide

CSA: Environmental and Utility Services
CSA Outcome: Reliable Utility Infrastructure
Department: Public Works
Description: This allocation funds a master planning effort for the storm sewer system, which involves mapping and identification of existing main storm drainage trunk lines, outfalls, laterals, and other storm system facilities. The report will guide the overall system design for capacity needs. Funding beyond 2015-2016 will provide for updates to the master plan as new developments and projects add or change the infrastructure.

EXPENDITURE SCHEDULE (000'S)											
Cost Elements	Prior Years	2012-13 Appn.	2012-13 Estimate	2013-14	2014-15	2015-16	2016-17	2017-18	5-Year Total	Beyond 5-Year	Project Total
Master Plan/Study		3,071	1,071	2,348	891	891	809	809	5,748		
TOTAL		3,071	1,071	2,348	891	891	809	809	5,748		
FUNDING SOURCE SCHEDULE (000'S)											
Storm Drainage Fee Fund				300	60	50	50	50	510		
Storm Sewer Capital Fund		3,071	1,071	2,048	831	841	759	759	5,238		
TOTAL		3,071	1,071	2,348	891	891	809	809	5,748		

Notes:
 Selected budget information is not provided due to the ongoing nature of this project.
Appn. #: 5252

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2013-2014 CAPITAL BUDGET

2014-2018 CAPITAL IMPROVEMENT PROGRAM



STORM SEWER SYSTEM

SUMMARY OF RESERVES

The Summary of Reserves includes all reserves budgeted within the Five-Year Capital Improvement Program. On the Use of Funds statement, the projects in these summaries are not numbered.

Storm Sewer System
2014-2018 Adopted Capital Improvement Program
Summary of Reserves

Project Name:	Reserve for Alviso Storm Pump Station	Initial Start Date:	N/A
5-Year CIP Budget:	\$10,000,000	Revised Start Date:	
Total Budget:	\$10,000,000	Initial End Date:	N/A
Council District:	4	Revised End Date:	
USGBC LEED:	N/A		

Description: This reserve sets aside funding for the construction and post construction phases of the Alviso Storm Pump Station.

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