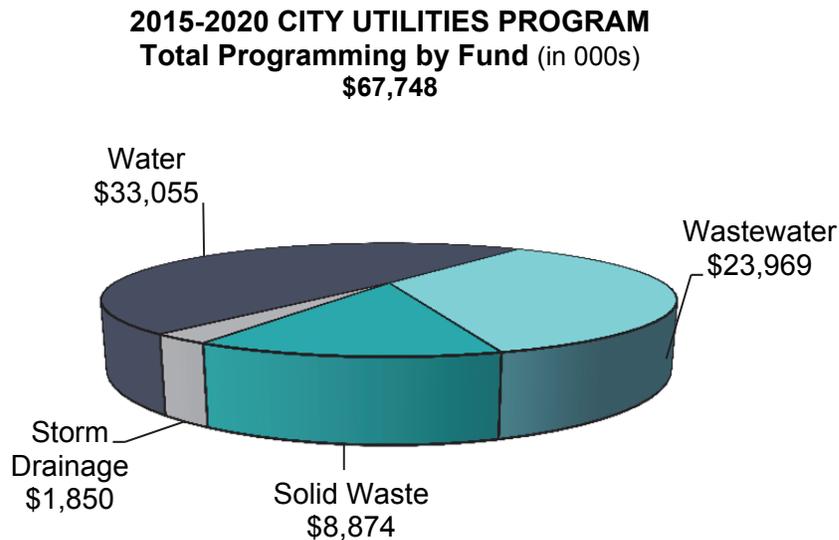


INTRODUCTION

Funded primarily by enterprise funds, the City Utilities Program consists of four subprograms: Water, Wastewater, Solid Waste, and Storm Drainage.

PROGRAMS AND PROJECTS

The projected 2015-2020 City Utilities Program budget totals \$67.7 million; relying on cash financing only, and assumes no increases to user fees. The following chart shows the distribution of the five-year plan among the utility program funds.



The program for water will be devoted to regulatory compliance projects and the Residential Water Meter Program. The bulk of the program for wastewater will be focused on the improvement, rehabilitation, and replacement of the Combined Sewer System (CSS) infrastructure as mandated by the National Pollutant Discharge Elimination System (NPDES) permit and outlined in the CSS Improvement Plan. The majority of drainage programs are related to regulatory compliance and improvement/development projects. Capital programming for Solid Waste is primarily for the ongoing funding requirements of the City landfills.

Some of the major projects include: improvement, rehabilitation, and replacement of the CSS infrastructure as mandated by the NPDES permit and outlined in the CSS Improvement Plan, which was completed in 1995. The City agreed to implement the program at an average cost of \$10 million or more per year. The NPDES permit will be renewed and may require increased expenditures for combined system improvements. Additional major projects include: the Residential Water Meter Program (Z14010000), which is being accelerated by four years to facilitate and promote water conservation efforts. The new completion date is December 2020, which is four years ahead of the legislative deadline. Solid Waste projects include a continuation of funding for City landfills as required by the State of California to comply with post-closure monitoring requirements. In addition, funding will be allocated to the Solid Waste Facility Repair and Rehabilitation Program (Y14000900) and for the acquisition, cleanup, and closure of the landfill on the Cannon-Scollan Trust property (Cannon-Scollan Landfill Closure, Y13000200).

Due to funding limitations, the five-year program includes only those projects required by health, safety, legislative, or regulatory requirements, and unfortunately does not fully address these needs. In order to fully address these needs and to fund additional critical infrastructure projects, the City will need to rely upon a mix of bond and cash financing, which will require subsequent approval from City Council. Investment in these additional critical projects would:

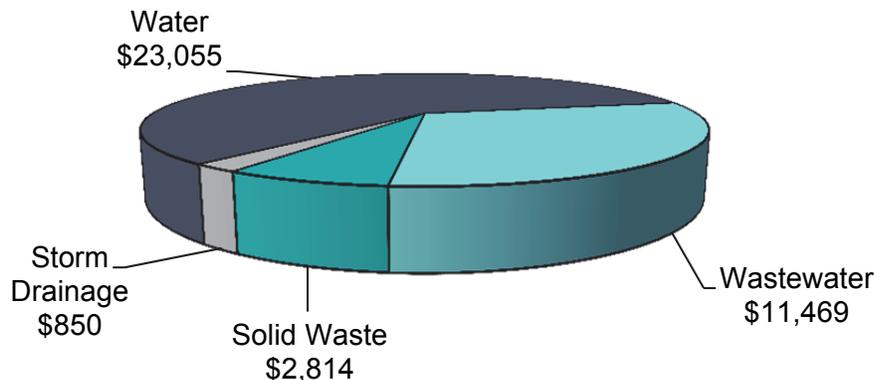
- Reduce maintenance costs
- Improve reliability and reduce service interruptions and sanitary wastewater overflows
- Maintain existing facilities
- Reduce outflows and flooding in the combined system
- Replace existing facilities
- Meet demands of increased growth

The City is currently engaged in a rate proposal development process, which contemplates these critical funding needs. Unlike the water and wastewater utilities, any rate adjustments for the storm drainage utility are subject to a citizen vote. Storm drainage user charges have not been increased since 1996, prior to the implementation of Proposition 218. For this reason, revenue collection has not kept pace with storm drainage system costs, and the utility has been historically underfunded. The City has delayed repair and replacement of critical infrastructure in order to bridge these funding shortfalls.

The FY2015/16 City Utilities Program budget totals \$38.2 million. This program budget reflects additional appropriations to existing projects and programs and new projects created in FY2015/16. The Program reflects a 30-year look at the infrastructure needs of the water and wastewater systems that include a five-year project specific plan. Critical utility infrastructure projects include replacement or rehabilitation of infrastructure that has already failed and/or is at or near the end of its useful life, and projects to meet regulatory and legislative requirements.

All other improvements utilizing the City Utility Funds may be found in the appropriate program section of this document.

**FY2015/16 CITY UTILITIES PROGRAM
Total Programming by Fund (in 000s)
\$38,188**



MAJOR FUNDING SOURCES**Water (Fund 6005)****Overview**

The Water Fund is an enterprise fund that supports both the capital and operating costs of providing potable water throughout the City, including production, treatment, storage, and distribution systems. Revenues are generated primarily from user fees. The focus of the Water CIP over the next five years will be on the implementation of the City's meter program.

Program Goals

The following goals were established for implementation of the Water Fund CIP:

- Provide a reliable supply of high-quality drinking water to city residents and businesses
- Ensure that water production and treatment complies with all state and federal regulations
- Promote water conservation by installing water meters on all unmetered water services by December of 2020
- Increase reliability and reduce maintenance costs by replacing inadequate or deteriorated systems

Project Selection Criteria

The Water Fund projects selected for the five-year program are required by health, safety, legislative, or regulatory requirements.

Summary of Project Types and Funding Distribution

The following tables provide a summary of the types of projects requested to receive appropriations in FY2015/16 and the programming for the five-year plan.

Type of Project	Number of Projects	FY2015/16 Funding (in 000s)
Improvement / Development	1	165
Meter Program	1	20,000
Operations / Maintenance Support	1	400
Planning	1	350
Regulatory	4	1,140
Reserve	1	1,000
Total	9	\$23,055

2015-2020 Capital Improvement Program (in 000s) Water (Fund 6005)						
Project #	Title	Five-year Programming				
		15/16	16/17	17/18	18/19	19/20
X14131500	Facility Electrical Rehabilitation Program	50	0	0	0	0
Z14000500	Water Supply Master Plan Program	350	0	0	0	0
Z14000700	Base CIP Contingency Program - Water	1,000	0	0	0	0
Z14001300	Utilities ADA Improvement Program	5	0	0	0	0
Z14001500	Drinking Water Quality Program	985	0	0	0	0
Z14001800	Groundwater Protection Program	100	0	0	0	0
Z14006800	Water Unplanned Repairs Program	400	0	0	0	0
Z14010000	Residential Water Meter Program	20,000	3,000	3,000	2,000	2,000
Z14140100	Security & Emergency Prep Program	165	0	0	0	0
Total		\$23,055	\$3,000	\$3,000	\$2,000	\$2,000

Major Projects

The largest water program for FY2015/16 is the Residential Water Meter Program (Z14010000). State law requires that the City install meters on all residential water services by 2025. This project is utilizing a phased approach to implement and comply with this continuing program. The Water Fund also provides any necessary matching or supplementary funding for grants that the City is actively pursuing. To the extent that the City continues to apply for and receive grants, the costs of the program to the ratepayers will be reduced.

Asset Management

The need to renew areas of the water system due to age and deterioration is of great importance to the City in order to maintain a reliable and high-quality water supply. The City's infrastructure, including many of the larger water mains located in the downtown area, are at or nearing the end of their useful life. The aging water system that includes pipelines, services, reservoirs, wells, and treatment plants is becoming more difficult to maintain as the infrastructure ages. As a result, the City is utilizing an asset management process for its CIP to systematically prioritize and rank its rehabilitation and replacement needs, thereby ensuring long-term sustainability of the water system infrastructure as well as its ability to deliver the required level of service continually. Asset management programs with long-range planning, life-cycle costing, proactive operations and maintenance, long-term funding strategies, and capital replacement plans based on cost-benefit analysis are an efficient method of meeting this challenge.

Master Planning

The master planning goal is to provide a healthy, reliable water system that will meet the needs of a growing community and satisfy all state and federal regulations. Meeting this goal requires improvement of existing facilities and development of new facilities. The improvements and new facilities will be designed according to the following specific criteria:

- During maximum water demand days at peak hours, the operating or "residual" pressure at all water connections will be at least 30 pounds per square inch (psi)
- During a maximum water demand day, considering the maximum day demand plus fire flow, the operating or "residual" pressure available in the area for fire protection will not be less than 20 psi

- All federal and state drinking water regulations will be met
- Within the water system, there will be a minimum storage volume equal to 20 percent of the discharge on a day of maximum water demand

In an attempt to attain these water system goals, the City has updated its Water Distribution System and Supply Master Plan (Plan) to assist in planning, financing, constructing, and operating the water distribution system. The Plan update included an analysis of the distribution system network to identify existing system deficiencies and determine future distribution requirements. The Plan also identified future capital improvements, such as water supply, treatment facilities, transmission mains, and storage reservoirs.

The City is actively involved in the Water Forum Successor Effort, which includes the Regional Water Authority, Sacramento Groundwater Authority, Sacramento Central Groundwater Authority, and Water Forum. The City has participated for more than eighteen years in the Water Forum Successor Effort to develop a plan to provide a reliable and safe water supply for the region's economic health and planned development through the year 2030, and to preserve the fishery, wildlife, recreational, and aesthetic values of the Lower American River. This effort resulted in the adoption of the Water Forum Agreement by the Mayor and City Council in November 1999. The Water CIP reflects elements necessary to support the Water Forum Agreement.

Water Issues

The City must continue to expand its water diversion and treatment capacity to meet regulatory requirements and increased future demands projected to occur within the City's sphere of influence and authorized place of use. Additional demand for treated water outside the City's authorized place of use will also be generated as a result of existing and future wholesale and wheeling agreements. The five-year program as shown does not provide the funding necessary to meet the requirements of completing the Residential Water Meter Program (Z14010000) by 2020. Completion of the meter program will require approval by and support of City Council for additional increases in water use rates beyond those approved through FY2014/15.

Because this five-year plan was prepared using only cash resources and not any projected rate adjustments or bond issuances, the five-year program does not adequately address the funding needs for critical water infrastructure. The risks associated with not meeting these needs include:

- Unexpected and costly repair costs could impair availability of revenues to meet contractually required debt service obligations on existing debt
- Failure of aging infrastructure could impair service delivery, impairing revenue generation required to meet ongoing operational needs, as well as contractually required debt service requirements
- Failure to meet current and anticipated regulatory requirements, resulting in fines and possible lawsuits
- Failure to comply with the legislative metering mandate, and inability to accelerate the implementation of the Residential Water Meter Program
- Risk of rate spikes for customers, as unplanned rate increases may be necessitated to meet operational and regulatory needs

Wastewater (Fund 6006)**Overview**

The Wastewater Fund is an enterprise fund that provides for the operations, maintenance, repair, and replacement of facilities for collecting, conveying, and pumping sanitary and combined sewage to the interceptor sewers of the Sacramento Regional County Sanitation District. User fees finance both operating costs and capital improvements.

The increasing age of the wastewater infrastructure, especially in the combined system, and complying with state and federal regulatory requirements remains a focus of the Wastewater Fund's CIP. A key factor that increases the pressure on the Wastewater Fund is Proposition 218, which restricts raising drainage rates. In the past, all combined system projects were partially funded by the Storm Drainage Fund. Since most of the combined system infrastructure is original, some more than 100 years old, its performance and reliability have been reduced due to wear and tear, thereby increasing the amount of maintenance needed.

Other portions of the City's wastewater system, particularly areas of North Sacramento, also require increasing amounts of rehabilitation due to age. In the Pocket Area and other low lying regions, infiltration and inflow of rainfall and groundwater into the wastewater pipes cause excess flows in the pipes and is another focus of concern. Furthermore, there are regulations, imposed by the California Water Resources Control Board, which require the City to implement a sanitary sewer management program that requires system capacity analysis, greater closed circuit television inspection, elimination of sanitary wastewater overflows, and rehabilitation of the separated wastewater system. The City is required to comply with the terms of a consent decree imposed as a result of a lawsuit filed by the California Sports Fishing Protection Alliance (CSPA).

Program Goals

The following goals were established for implementation of the Wastewater Fund CIP:

- Provide for the safe and reliable collection and conveyance of wastewater
- Ensure that the wastewater collection and conveyance systems comply with all state and federal regulations
- Ensure that the separated wastewater collection and conveyance system complies with the CSPA consent decree
- Ensure that expansion and extension of the wastewater collection and pumping systems conform to the City's *2035 General Plan*
- Upgrade or replace existing wastewater collection and pumping systems in conformance with wastewater system master plans
- Increase reliability and reduce maintenance costs by upgrading or replacing inadequate or deteriorated systems

Project Selection Criteria

The Wastewater Fund projects selected for the five-year program are required by health, safety, legislative, or regulatory requirements.

Summary of Project Types and Funding Distribution

The following tables provide a summary of the types of projects requested to receive appropriations in FY2015/16 and the programming for the five-year plan.

Type of Project	Number of Projects	FY2015/16 Funding (in 000s)
Improvement/Development	1	190
Operations / Maintenance Support	1	250
Planning	3	1,150
Regulatory	4	7,629
Rehabilitation and Replacement	1	1,500
Reserve	1	750
Total	11	\$11,469

2015-2020 Capital Improvement Program (in 000s) Wastewater (Fund 6006)						
Project #	Title	Five-year Programming				
		15/16	16/17	17/18	18/19	19/20
X14000100	Wastewater System Rehabilitation Program	250	0	0	0	0
X14000500	Base CIP Contingency Program - Wastewater	750	0	0	0	0
X14010000	Wastewater CSS Capital Program	7,524	4,000	3,000	3,000	2,500
X14120200	Flow Monitoring/Hydrology Program	150	0	0	0	0
X14130200	Wastewater Master Planning Program	600	0	0	0	0
X14130300	Combined Wastewater Planning Program	400	0	0	0	0
X14131500	Facility Electrical Rehabilitation Program	50	0	0	0	0
X14131600	Wastewater Plant Regulatory Improvement Program	50	0	0	0	0
X14160500	Separated Pipe Rehabilitation/Replacement Program	1,500	0	0	0	0
Z14001300	Utilities ADA Improvement Program	5	0	0	0	0
Z14140100	Security & Emergency Prep Program	190	0	0	0	0
	Total	\$11,469	\$4,000	\$3,000	\$3,000	\$2,500

Major Projects

Major wastewater projects funded this year are primarily driven by compliance with the CSS NPDES permit and are contained in the Wastewater CSS Capital Program (X14010000). They include additional funding for design and construction of large diameter relief sewers in the downtown area and design of more than a million cubic feet of underground storage in the McKinley area.

Asset Management

As infrastructure assets continue to age and deteriorate, the need to restore parts of the wastewater system is very important. Much of the city, especially in the combined system, is served by a wastewater infrastructure that is at or beyond its useful life. Aging wastewater system components such as pipelines, pump stations, and electrical equipment are more difficult to maintain than newer infrastructure, and the level of service provided by these components becomes less reliable. As a

result, the City is utilizing an asset management process for its capital improvement program to systematically prioritize and rank its rehabilitation and replacement needs ensuring long-term sustainability of the wastewater system infrastructure and its ability to continuously deliver the required level of service. Asset management programs with long-range planning, life-cycle costing, proactive operations and maintenance, long-term funding strategies, and capital replacement plans based on cost-benefit analysis are an efficient method of meeting this challenge.

Master Planning

Master planning studies are typically done for individual wastewater basins in order to:

- Identify hydraulic deficiencies
- Prioritize rehabilitation and replacement needs
- Address pressures on the system from proposed development

Master planning typically includes a computerized hydraulic model, field surveys, and flow monitoring. Master planning also identifies new facilities and mitigation required by development projects that add flows to the system. The master planning goal is to provide a reliable wastewater collection system that will meet the needs of the community, prevent sanitary wastewater overflows, and meet adopted standards of keeping wastewater pipes from surcharging and keeping combined system flows from surcharging above the curb for a 10-year storm. Meeting this goal will require rehabilitation and improvements to existing facilities, and development of new facilities that will be designed to handle both the peak sewage flows as well as infiltration flows. Flow monitoring is done to measure flows at critical locations in pipes and to establish rainfall to infiltration/inflow (I to I) relationships. Observation of the system by closed circuit television of the pipes and direct visual inspection of manholes is also used to identify defects and relative quantity of non-sewage water in the pipes.

The current budget includes funding to address continued requirements to perform flow monitoring to support ongoing master planning in both the CSS and separated systems.

Wastewater Issues

CSS Projects

The CSS is the portion of the City's wastewater system that conveys both sanitary sewage and storm water in the same pipelines. The CSS encompasses approximately 7,500 acres of the Downtown, East Sacramento, and Land Park areas. An additional area of approximately 3,700 acres encompassing portions of Downtown, the River Park, California State University, and far eastern Sacramento areas contribute only sanitary sewage flows to the CSS. In 1946, the City discontinued the practice of building combined sewers except for infill development within the existing combined system.

The City initiated a comprehensive CSS Improvement Plan in July 1995 after extensive studies, which were instigated subsequent to a cease and desist order issued to the City in June 1990. The order required the City to eliminate outflows to the City streets and non-permitted combined sewer overflows to the Sacramento River from the CSS. To satisfy the order, the City submitted to the Regional Water Quality Control Board in July 1995 a CSS Improvement Plan that would reduce outflows and flooding throughout the CSS service area and reduce sewer overflows to the Sacramento River.

The initial phase of the CSS Improvement Plan is substantially complete and approximately \$147 million has been invested in this phase. Most of the large projects have been completed, including: Sump 2 Improvement, Sump 1/1A and Pioneer Reservoir Improvements, 42nd Street Storage, U.C. Davis Medical Center, Tahoe Broadway Parallel Sewer, Land Park Relief, Oak Park Regional Storage, and others. Additionally the following improvement and rehabilitation projects are in planning, design, or construction:

- Underground storage in the McKinley area
- Rehabilitation of various segments of the collection system
- Completion of a network of CSS interceptors in the downtown area, in 7th Street from P to K and in L Street from 7th to 9th Street and in 9th Street from L to G Street

The Utilities Department recently completed upgrades to the hydraulic model of our combined system, which allows a closer simulation of the actual performance of the system. This model was instrumental for completing an update of the CSS Improvement Plan. This update identifies prioritized improvement projects over the next 25 years that will help the City progress to permit-required interim goals of achieving five- and ten-year levels of protection from outflows and street flooding in our combined system.

Infiltration and Inflow

More focused planning and design efforts continue in an ongoing effort to reduce infiltration and inflow, especially in low-lying areas close to the Sacramento River. These planning efforts include flow monitoring during both the rainy season and the summer and fall, and visual inspection of manholes. As a member of the Sacramento County Regional Sanitation District, the City is cooperating in a regional effort to reduce infrastructure and inflow in order to reduce the need for the district to construct more interceptors and treatment capacity.

Funding for Critical Projects

This five-year plan was prepared using only cash resources and no projected rate adjustments or bond issuances; thereby the five-year program does not adequately address the funding needs for critical wastewater infrastructure. The risks associated with not meeting these needs include:

- Unexpected and costly repairs could impair availability of revenues to meet contractually required debt service obligations
- Failure of aging infrastructure could impair service delivery, impairing revenue generation required to meet ongoing operational needs, as well as contractually required debt service obligations
- Failure to meet current and anticipated regulatory requirements, resulting in fines and possible lawsuits
- Risk of rate spikes for customers, as unplanned rate increases may be necessitated to meet operational and regulatory needs

Solid Waste (Fund 6007)**Overview**

The Solid Waste Fund is an enterprise fund that is financially responsible for garbage, recycling, and yard waste collection, sweeping streets, removing illegal dumping, mandated post closure monitoring of landfills, and related capital improvements.

Program Goals

The following goals were established for implementation of the Solid Waste Fund CIP:

- Provide for safe and environmentally sound landfill closure and maintenance including groundwater remediation, landfill gas control, and landfill maintenance, as required by California law.
- Provide funding for the rehabilitation and repair of City-owned, solid waste facilities.

Project Selection Criteria

The following criteria were created for guidance in initiating a project in the Solid Waste Fund:

- Activity required by state and federal law
- Activity to reduce ongoing facility operations and maintenance costs
- Offset by user fees

Summary of Project Types and Funding Distribution

The following tables provide a summary of the types of projects requested to receive appropriations in FY2015/16 and the programming for the five-year plan.

Type of Project	Number of Projects	FY2015/16 Funding (in 000s)
Facilities	1	1,250
Landfill	5	1,564
Total	6	\$2,814

2015-2020 Capital Improvement Program (in 000s) Solid Waste (Fund 6007)						
Project #	Title	Five-year Programming				
		15/16	16/17	17/18	18/19	19/20
Y13000100	Landfill Flare Replacement	25	0	0	0	0
Y13000200	Cannon-Scollan Landfill Closure	1,000	0	0	0	0
Y14000100	Landfill Site Closure Program	217	217	217	217	217
Y14000400	Groundwater Remediation Program	22	23	23	23	23
Y14000700	Dellar Landfill Closure	300	0	0	0	0
Y14000900	Solid Waste Facility Repair & Rehabilitation Program	1,250	1,275	1,275	1,275	1,275
Total		\$2,814	\$1,515	\$1,515	\$1,515	\$1,515

Major Projects

Major Solid Waste projects funded in FY2015/16 are: the Solid Waste Facility Repair & Rehabilitation Program (Y14000900) for the continued improvement of the facility traffic flow pattern and various projects to improve site safety and security, and the Cannon-Scollan Landfill Closure (Y13000200) for the acquisition, cleanup, and closure of the landfill.

Storm Drainage (Fund 6011)**Overview**

The Storm Drainage Fund is an enterprise fund that supports the operations, maintenance, repair, and rehabilitation of the storm drainage system. This system consists of more than 100 pumping stations, pipes, ditches, channels, and secondary levees. Revenues are generated primarily from user rate fees.

Since the passage of Proposition 218 in 1996, which requires that drainage rate increases be approved by a vote of the property owners, drainage rates have been frozen and the storm drainage system has seen a significant drop in its CIP. Rising operation, maintenance, and regulatory compliance costs now consume almost all of the storm drainage fund revenues. Meanwhile, the storm drainage infrastructure continues to age, and many areas of the City are served by storm drainage infrastructure that does not meet level of service goals.

Program Goals

The following goals were established for implementation of the Storm Drainage Fund CIP:

- Provide for the safe and reliable collection and conveyance of storm water runoff
- Provide approved levels of service by preventing streets from flooding higher than the top of the curb during 10-year return storms, and preventing flooding of structures during 100-year return storms at complete build out in each drainage basin
- Ensure the storm drainage collection system complies with all government regulations
- Ensure that expansion of the storm drainage collection and pumping systems conforms to the City's *2035 General Plan*
- Upgrade or replace existing storm drainage collection and pumping systems in conformance with storm drainage master plans
- Increase reliability and reduce maintenance costs by upgrading or replacing inadequate or deteriorated systems

Project Selection Criteria

The following criteria were created for guidance in initiating a project in the Storm Drainage Fund:

- Required by health, safety, or regulatory requirement
- Reduce maintenance costs
- Maintain existing facilities
- Replace existing facilities
- Meet demands of increased growth
- Costs offset by grants or other revenue

Resources are directed to those projects most cost-beneficial to the residents and businesses of the City by measuring any approved project against these criteria.

Summary of Project Types and Funding Distribution

The following tables provide a summary of the types of projects requested to receive appropriations in FY2015/16 and the programming for the five-year plan.

Type of Project	Number of Projects	FY2015/16 Funding (in 000s)
Improvement/Development	2	350
Regulatory	2	300
Reserve	1	200
Total	5	\$850

2015-2020 Capital Improvement Program (in 000s) Storm Drainage (Fund 6011)						
Project #	Title	Five-year Programming				
		15/16	16/17	17/18	18/19	19/20
W14000200	Base CIP Contingency Drainage Program	200	250	250	250	250
W14130400	Drainage Channel Improvements Program	250	0	0	0	0
W14130800	Drainage Plant Regulatory Improvement Program	150	0	0	0	0
X14131500	Facility Electrical Rehabilitation Program	150	0	0	0	0
Z14140100	Security & Emergency Prep Program	100	0	0	0	0
Total		\$850	\$250	\$250	\$250	\$250

The major storm drainage CIP program funded this year is for the Florin Creek Detention Basin, which will be completed through the Drainage Channel Improvements Program (W14130400).

The Storm Drainage Fund also supports the Wastewater CSS Capital Program (X14010000), which is the parent project for the improvements to the City's CSS. As described in detail in the Wastewater (Fund 6006) section, CSS is the portion of the City's wastewater system that conveys both sanitary wastewater and storm water in the same pipelines.

Asset Management

The aging drainage system that includes pipelines, pump stations, ditches, and channels is becoming more difficult to maintain as the infrastructure ages. To effectively and efficiently allocate potential drainage funding and to better understand the specific rehabilitation and replacement needs, the City is utilizing an asset management process for its capital improvement program to systematically prioritize and rank its rehabilitation and replacement needs ensuring long-term sustainability of the drainage system infrastructure and its ability to deliver the required level of service continuously. While the City faces many challenges ahead, asset management programs with long-range planning, life-cycle costing, proactive operations and maintenance, long-term funding strategies, and capital replacement plans based on cost-benefit analysis are an efficient method of meeting this challenge.

Master Planning

As mentioned above, one of the goals of the Storm Drainage Fund CIP is to improve the system so that it will provide the 10- and 100-year storm event levels of service adopted by City Council. This includes keeping the 10-year water surface below the top of the curb and the 100-year water surface below the first floor of any structure for existing developments, and all new development drainage facilities are designed so that the 10-year water surface will be 6 inches below the drainage inlets and the 100-year water surface will be 12 inches below the first floor of any structure.

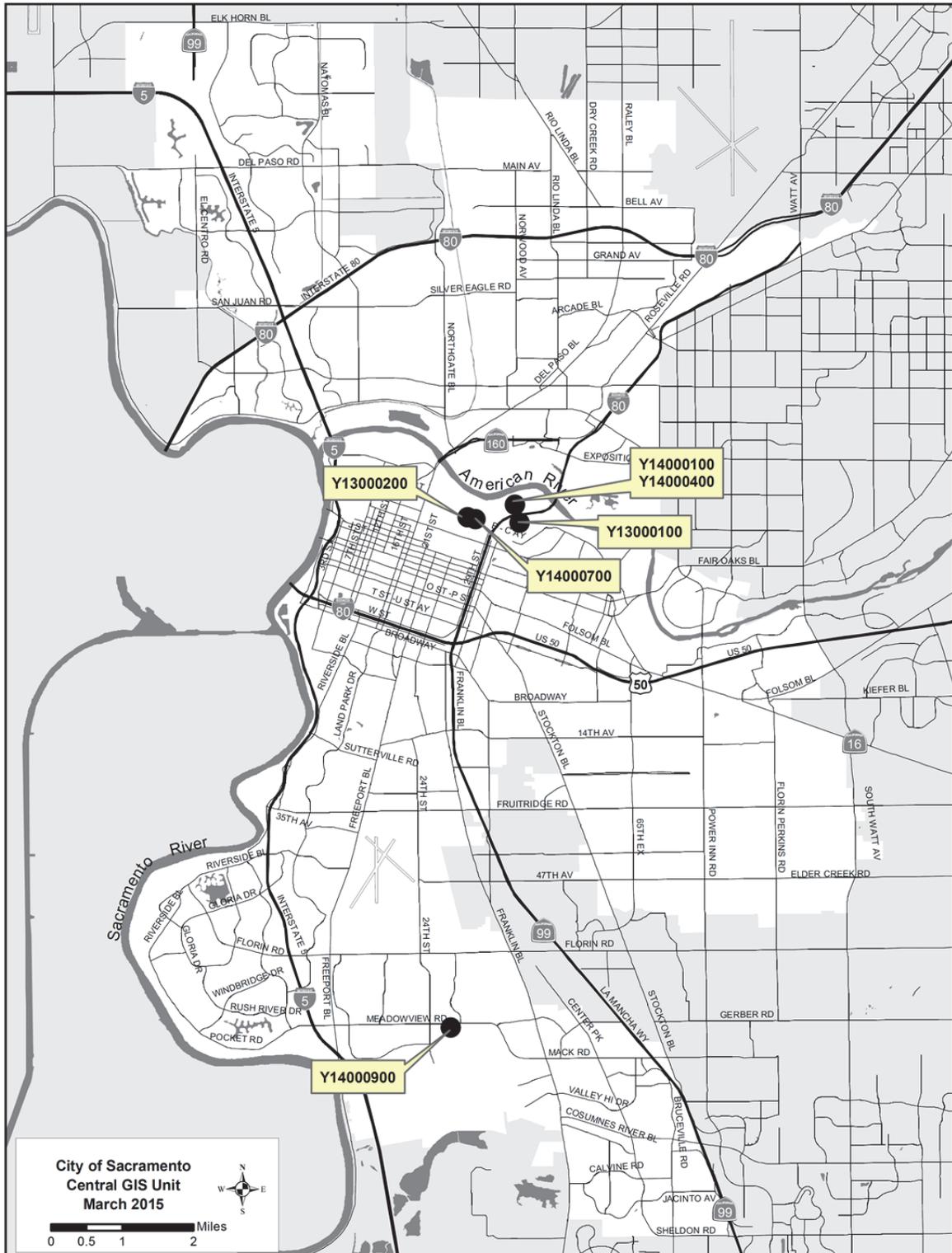
Existing areas with inadequate drainage systems are subject to inundated streets, homes, or garages. In some cases, homes have been flooded due to loss of electrical power, resulting in pump stations shutting down. Master planning identifies critical improvements to respond to these system deficiencies in a cohesive, cost effective, organized manner. Past planning efforts for the Storm Drainage CIP have prioritized needed improvements, including detention facilities, increased pump station capabilities, and larger pipes. However, due to lack of funding these prioritized improvements will be postponed until funding for design and construction becomes available.

Drainage System CIP Backlog

Storm drainage rates have not been increased since 1996, prior to the implementation of Proposition 218. For this reason, revenue collection has not kept pace with storm drainage system costs, and the utility has been historically underfunded. Drainage basin master planning has identified the need for a significant expenditure on drainage system capital improvements in the coming years. A 30-year CIP program has been developed that proposes to spend almost \$650 million on the system over the next 30 years to rehabilitate aging infrastructure and to improve the system to meet the 10- and 100-year levels of service.

To begin the process of addressing the backlog, the City is working closely with the community, the Utilities Rate Advisory Commission, and the City Council to develop a Storm Drainage Infrastructure Program and Financing Plan. Unlike the water and wastewater utilities, any rate adjustments for the storm drainage utility are subject to a citizen vote. The City Council would need to approve an election to adjust the storm drainage rate. If the Council authorizes such an election, the City will ask citizens to approve a storm drainage rate increase to address the capital improvement backlog.

FY2015/16 Capital Projects or Programs
Non-site specific or multi-site projects are not shown



Note: Details for the project numbers listed on the map above are provided in alphabetical project order on the following pages.

City of Sacramento
Capital Improvement Program

W14000200

Project Name **BASE CIP CONTINGENCY DRAINAGE PROGRAM**

Project Description Reserve Storm Drainage funds for unforeseen CIP needs.

Project Objectives Facilitate completion of capital projects by reserving appropriations for minor overruns and provide a source of funds for small projects that could not be anticipated before the start of the fiscal year.

Existing Situation It is prudent to maintain a capital program reserve, renewed annually as needed, as a source of funding should the need arise to provide additional funding for an existing project due to previously unforeseen conditions.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6011	STORM DRAINAGE	\$459,434	\$445,383	\$200,000	\$250,000	\$250,000	\$250,000	\$250,000
	Total	\$459,434	\$445,383	\$200,000	\$250,000	\$250,000	\$250,000	\$250,000

2015 - 2020 Funding \$1,200,000
Est. Project Cost \$1,659,434
FY2015/16 Funding \$200,000
Prior Year Expenditures \$14,051

Council District All
Plan Area
Project Location Citywide

Project Manager Utilities, Bill Busath

City of Sacramento
Capital Improvement Program

W14130400

Project Name **DRAINAGE CHANNEL IMPROVEMENTS PROGRAM**

Project Description Provide channel improvements for the City's drainage system.

Project Objectives Provide flood control protection through channel improvements to the drainage system.

Existing Situation Many of the City's channels require improvements due to sloughing and liner failure.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6011	STORM DRAINAGE	\$7,470	\$7,172	\$250,000	\$0	\$0	\$0	\$0
6211	STORM DRAIN GRANT REIMB	\$99,999	\$99,999	\$0	\$0	\$0	\$0	\$0
Total		\$107,469	\$107,171	\$250,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$250,000
Est. Project Cost \$357,469
FY2015/16 Funding \$250,000
Prior Year Expenditures \$298

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Brett Grant

City of Sacramento
Capital Improvement Program

W14130800

Project Name **DRAINAGE PLANT REGULATORY IMPROVEMENT PROGRAM**

Project Description Address regular issues such as generator replacement due to air quality standards and plant improvements to comply with the ADA regulations.

Project Objectives Ensure public health and safety by complying with regulatory requirements.

Existing Situation The Department of Utilities must replace portable generators to comply with air quality control permits. Also plant improvements are necessary to comply with homeland security and ADA regulations.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6011	STORM DRAINAGE	\$970,493	\$945,121	\$150,000	\$0	\$0	\$0	\$0
	Total	\$970,493	\$945,121	\$150,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding	\$150,000
Est. Project Cost	\$1,120,493
FY2015/16 Funding	\$150,000
Prior Year Expenditures	\$25,372

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Brett Grant

City of Sacramento
Capital Improvement Program

X14000100

Project Name **WASTEWATER SYSTEM REHABILITATION PROGRAM**

Project Description Provide funds for unforeseen needs for wastewater additions or replacements in various locations throughout the city.

Project Objectives Augment project budgets for small scale rehabilitation projects for unforeseen wastewater problem.

Existing Situation During the year, it may become necessary to resolve an unanticipated failure in the wastewater collection system.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6006	WASTEWATER	\$1,673,978	\$238,353	\$250,000	\$0	\$0	\$0	\$0
	Total	\$1,673,978	\$238,353	\$250,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding	\$250,000
Est. Project Cost	\$1,923,978
FY2015/16 Funding	\$250,000
Prior Year Expenditures	\$1,435,625

Council District All
Plan Area
Project Location Various

Project Manager Utilities, Brett Grant

City of Sacramento
Capital Improvement Program

X14000500

Project Name **BASE CIP CONTINGENCY PROGRAM - WASTEWATER**

Project Description Contingency wastewater funds for unforeseen capital program needs.

Project Objectives Facilitate the completion of capital projects by reserving appropriations for minor overruns, and provide a source of funds for small projects that could not be anticipated before the start of the fiscal year.

Existing Situation It is prudent to maintain a capital program reserve, renewed annually as needed, as a source of funding should the need arise to provide additional funding for an existing project due to unforeseen conditions.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6006	WASTEWATER	\$700,853	\$700,853	\$750,000	\$0	\$0	\$0	\$0
6320	WASTEWATER REV. BONDS	\$943,688	\$943,688	\$0	\$0	\$0	\$0	\$0
	Total	\$1,644,541	\$1,644,541	\$750,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$750,000
Est. Project Cost \$2,394,541
FY2015/16 Funding \$750,000
Prior Year Expenditures \$0

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities , Brett Grant

City of Sacramento Capital Improvement Program

X14010000

Project Name **WASTEWATER CSS CAPITAL PROGRAM**

Project Description Upgrade combined sewer system (CSS). This project acts as the reserve fund for the Utilities' Clean Water State Revolving Fund (CWSRF) loans and consists of: improvement projects, replacing and rehabilitating defective pipe, pumps, and infrastructure; and improving the CSS.

Project Objectives Improve reliability, reduce CSS overflows to the river, reduce surcharging of wastewater to streets and properties during storms, and comply with NPDES permit by the U.S. Environmental Protection Agency.

Existing Situation This project provides funding required for the CWSRF loans (Resolution 98-023). The CWSRF loans are as follows: (1) U.C. Medical Center Regulation Storage Project, Loan C-06-4652-110; (2) Land Park Sewer Relief Project, Loan C-06-4685-110; (3) Sump 1/1A Project, Loan C-06-4441-110; (4) Sump 2/2A Improvement Project, Loan C-06-4441-120; and (5) Tahoe Park/Broadway Parallel Sewer Project, Loan C-06-4653-110.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6002	WASTEWATER IMPACT FEE	\$49,859	\$49,859	\$0	\$0	\$0	\$0	\$0
6006	WASTEWATER	\$69,367	\$0	\$7,524,000	\$4,000,000	\$3,000,000	\$3,000,000	\$2,500,000
6011	STORM DRAINAGE	\$70,556	\$70,496	\$0	\$0	\$0	\$0	\$0
6310	WATER REV. BONDS	\$27,601	\$27,601	\$0	\$0	\$0	\$0	\$0
6320	WASTEWATER REV. BONDS	\$19,536	\$19,536	\$0	\$0	\$0	\$0	\$0
Total		\$236,919	\$167,492	\$7,524,000	\$4,000,000	\$3,000,000	\$3,000,000	\$2,500,000

2015 - 2020 Funding \$20,024,000
Est. Project Cost \$20,260,919
FY2015/16 Funding \$7,524,000
Prior Year Expenditures \$69,427



Council District 3, 4, 5, 6

Plan Area

Project Location Combined Sewer System

Project Manager Utilities, Brett Grant

City of Sacramento
Capital Improvement Program

X14120200

Project Name **FLOW MONITORING/HYDROLOGY PROGRAM**

Project Description Install flow monitoring equipment to monitor and interpret flow quantities in the wastewater system.

Project Objectives Measure and interpret wastewater flows for planning, modeling, and design of the wastewater and combined systems and aid in the design of individual projects.

Existing Situation Without accurate flow data, staff cannot measure improvements, evaluate performance of system during storms, and determine priorities where future projects are needed.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6006	WASTEWATER	\$282,722	\$121,299	\$150,000	\$0	\$0	\$0	\$0
6011	STORM DRAINAGE	\$123,483	\$0	\$0	\$0	\$0	\$0	\$0
Total		\$406,205	\$121,299	\$150,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$150,000
Est. Project Cost \$556,205
FY2015/16 Funding \$150,000
Prior Year Expenditures \$284,906

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Brett Grant

City of Sacramento
Capital Improvement Program

X14130200

Project Name **WASTEWATER MASTER PLANNING PROGRAM**

Project Description Identify capacity constraints and needed improvements in wastewater basins to meet current regulatory requirements.

Project Objectives Create current master plans for existing wastewater basins.

Existing Situation Many wastewater basins have not had a current master plan created. This planning is necessary in order to evaluate and establish the improvements needed to conform to current City standards.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6006	WASTEWATER	\$210,872	\$210,872	\$600,000	\$0	\$0	\$0	\$0
6320	WASTEWATER REV. BONDS	\$10,900	\$0	\$0	\$0	\$0	\$0	\$0
7101	BELL AVE COLLECTOR SEWER FEE	\$73,000	\$73,000	\$0	\$0	\$0	\$0	\$0
Total		\$294,772	\$283,872	\$600,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$600,000
Est. Project Cost \$894,772
FY2015/16 Funding \$600,000
Prior Year Expenditures \$10,900

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities , Brett Grant

City of Sacramento
Capital Improvement Program

X14130300

Project Name **COMBINED WASTEWATER PLANNING PROGRAM**

Project Description This program continually evaluates the combined wastewater master plan for improvements that will bring the combined system into conformance with current City standards.

Project Objectives Achieve the ultimate goal of having the entire combined system conform to the current City 10-year storm runoff standards.

Existing Situation Areas of the combined wastewater system struggle to meet street flooding criteria with a 10-year storm.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6006	WASTEWATER	\$93,997	\$93,997	\$400,000	\$0	\$0	\$0	\$0
	Total	\$93,997	\$93,997	\$400,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding	\$400,000
Est. Project Cost	\$493,997
FY2015/16 Funding	\$400,000
Prior Year Expenditures	\$0

Council District 3, 4, 5, 6

Plan Area

Project Location Various

Project Manager Utilities, Brett Grant

City of Sacramento
Capital Improvement Program

X14131500

Project Name FACILITY ELECTRICAL REHABILITATION PROGRAM

Project Description Replace electrical equipment at various City facilities in the wastewater and CSS.

Project Objectives Protect public health and safety by improving the reliability of these facilities.

Existing Situation Existing electrical equipment is deteriorated and antiquated, making repair difficult due to the lack of available parts. Failure of this equipment can result in wastewater backing up into streets and properties.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6005	WATER	\$28,435	\$28,435	\$50,000	\$0	\$0	\$0	\$0
6006	WASTEWATER	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0
6011	STORM DRAINAGE	\$105,507	\$105,507	\$150,000	\$0	\$0	\$0	\$0
6320	WASTEWATER REV. BONDS	\$70,001	\$70,001	\$0	\$0	\$0	\$0	\$0
Total		\$203,943	\$203,943	\$250,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$250,000
Est. Project Cost \$453,943
FY2015/16 Funding \$250,000
Prior Year Expenditures \$0

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Dave Hansen

City of Sacramento
Capital Improvement Program

X14131600

Project Name **WASTEWATER PLANT REGULATORY IMPROVEMENT PROGRAM**

Project Description This program funds improvements required by regulatory agencies such as ADA improvements, generator replacements, and wastewater system securities.

Project Objectives Comply with ADA, air quality, and homeland security regulations.

Existing Situation As regulations change, City facilities need to upgrade or improve deficient facilities.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6006	WASTEWATER	\$66,677	\$66,677	\$50,000	\$0	\$0	\$0	\$0
6320	WASTEWATER REV. BONDS	\$124,274	\$124,274	\$0	\$0	\$0	\$0	\$0
	Total	\$190,951	\$190,951	\$50,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$50,000
Est. Project Cost \$240,951
FY2015/16 Funding \$50,000
Prior Year Expenditures \$0

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Pete Millino

City of Sacramento
Capital Improvement Program

X14160500

Project Name **SEPARATED PIPE REHABILITATION/ REPLACEMENT PROGRAM**

Project Description Repair or replace pipe infrastructure within the separated sewer collection system using various techniques such as lining, bursting, and dig and replace.

Project Objectives Protect public health and safety by reducing wastewater overflows by ensuring reliable function of the wastewater system.

Existing Situation Various wastewater mains have failed causing excessive maintenance and impaired service, including wastewater overflows.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6006	WASTEWATER	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0
	Total	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$1,500,000
Est. Project Cost \$1,500,000
FY2015/16 Funding \$1,500,000
Prior Year Expenditures \$0

Council District All
Plan Area
Project Location

Project Manager Utilities, Brett Grant

City of Sacramento Capital Improvement Program

Y13000100

Project Name LANDFILL FLARE REPLACEMENT

Project Description To comply with clean air regulations set by the California Air Resources Board and the Sacramento Metropolitan Air Quality Management District, the methane gas generated by the waste buried at the 28th Street landfill must be continuously burned using two flare stations that are part of the landfill gas collection system.

Project Objectives Construct a new flare station to replace the fire damaged flare station to ensure the continual burning of methane gas.

Existing Situation A fire permanently damaged one of the flare stations, thus eliminating the system redundancy that ensures continual operation. Project has been delayed due to permit approvals from the Air Resources Board.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6007	SOLID WASTE	\$619,897	\$619,897	\$25,000	\$0	\$0	\$0	\$0
	Total	\$619,897	\$619,897	\$25,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$25,000
Est. Project Cost \$644,897
FY2015/16 Funding \$25,000
Prior Year Expenditures \$0

Project Start Date July 2014
Est. Complete Date July 2016



Council District 3
Plan Area 1
Project Location 20 28th Street

Project Manager Public Works , David Levine

City of Sacramento Capital Improvement Program

Y13000200

Project Name CANNON-SCOLLAN LANDFILL CLOSURE

Project Description Closure of the landfill site located directly west of the 28th Street Landfill and south of the Dellar Landfill.

Project Objectives Complete closure plan, grade the site to drain, and commence post-closure monitoring.

Existing Situation There is a landfill with exposed rubble and can't be closed until all mandated closure activities have been completed.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6007	SOLID WASTE	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0
	Total	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$1,000,000

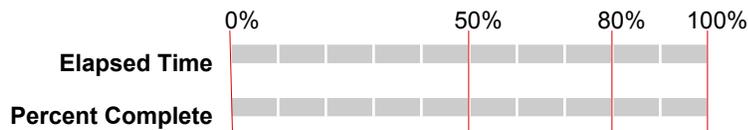
Est. Project Cost \$1,000,000

FY2015/16 Funding \$1,000,000

Prior Year Expenditures \$0

Project Start Date July 2015

Est. Complete Date June 2017



Council District 3

Plan Area

Project Location 2401 A Street

Project Manager Public Works , David Levine

City of Sacramento
Capital Improvement Program

Y14000100

Project Name **LANDFILL SITE CLOSURE PROGRAM**

Project Description California law requires that funding be set aside each year to ensure that there will be sufficient resources to cover future closure activities.

Project Objectives Keep the closed City landfill in compliance with the approved final closure/post-closure plan.

Existing Situation The City has completed the landfill closure. However, as part of the annual 30-year post-closure care, annual funds must be provided.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6007	SOLID WASTE	\$3,521,873	\$2,251,083	\$217,000	\$217,000	\$217,000	\$217,000	\$217,000
6008	LANDFILL CLOSURE	\$5,195,273	\$0	\$0	\$0	\$0	\$0	\$0
Total		\$8,717,146	\$2,251,083	\$217,000	\$217,000	\$217,000	\$217,000	\$217,000

2015 - 2020 Funding \$1,085,000
Est. Project Cost \$9,802,146
FY2015/16 Funding \$217,000
Prior Year Expenditures \$6,466,063

Council District 3

Plan Area

Project Location 20 28th Street

Project Manager Public Works , David Levine

City of Sacramento
Capital Improvement Program

Y14000400

Project Name **GROUNDWATER REMEDIATION PROGRAM**

Project Description State-mandated financial obligations for the landfill's groundwater corrective action program require owners of solid waste facilities to establish financial assurance to cover a "reasonably foreseeable release" into the groundwater.

Project Objectives Satisfy state-mandated financial assurance requirements for California Health and Safety Code Title 23, Articles 5 and 10. Control/Mitigate groundwater contamination beneath the City landfill.

Existing Situation The existing landfill has affected the shallow groundwater aquifer directly under the site. Documented releases were described in the June 1987 Solid Waste Assessment Test Report.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6007	SOLID WASTE	\$392,875	\$145,001	\$22,000	\$23,000	\$23,000	\$23,000	\$23,000
	Total	\$392,875	\$145,001	\$22,000	\$23,000	\$23,000	\$23,000	\$23,000

2015 - 2020 Funding \$114,000
Est. Project Cost \$506,875
FY2015/16 Funding \$22,000
Prior Year Expenditures \$247,874

Council District 3

Plan Area

Project Location 28th Street Landfill

Project Manager Public Works , David Levine

City of Sacramento Capital Improvement Program

Y14000700

Project Name **DELLAR LANDFILL CLOSURE**

Project Description Closure of the landfill site located directly west of the 28th Street Landfill.

Project Objectives Complete closure plan, grade the site to drain, and commence post-closure monitoring to comply with Regional Water Quality Control Board's Corrective Action Notice by completing work by September 2010.

Existing Situation There is a landfill with exposed rubble and can't be closed until all mandated closure activities have been completed.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6007	SOLID WASTE	\$2,817,801	\$2,741,169	\$300,000	\$0	\$0	\$0	\$0
6207	SOLID WASTE GRANT REIMB	\$720,500	\$0	\$0	\$0	\$0	\$0	\$0
Total		\$3,538,301	\$2,741,169	\$300,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$300,000
Est. Project Cost \$3,838,301
FY2015/16 Funding \$300,000
Prior Year Expenditures \$797,132

Project Start Date July 2009

Est. Complete Date December 2015



Council District 3

Plan Area

Project Location North Of A Street Near 24th Street

Project Manager Public Works , David Levine

City of Sacramento
Capital Improvement Program

Y14000900

Project Name **SOLID WASTE FACILITY REPAIR & REHABILITATION PROGRAM**

Project Description Ongoing program to provide sufficient resources to address facility related issues at the Meadowview City Service Center including, e.g., the repair or rehabilitation of the building interior and exteriors, electrical, and parking lot paving.

Project Objectives Provide funding to maintain City facilities.

Existing Situation Ongoing facility safety/security improvements.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6007	SOLID WASTE	\$3,287,850	\$2,486,454	\$1,250,000	\$1,275,000	\$1,275,000	\$1,275,000	\$1,275,000
	Total	\$3,287,850	\$2,486,454	\$1,250,000	\$1,275,000	\$1,275,000	\$1,275,000	\$1,275,000

2015 - 2020 Funding \$6,350,000
Est. Project Cost \$9,637,850
FY2015/16 Funding \$1,250,000
Prior Year Expenditures \$801,396

Council District 8

Plan Area

Project Location 2812 Meadowview Road

Project Manager Public Works , David Levine

City of Sacramento
Capital Improvement Program

Z14000500

Project Name **WATER SUPPLY MASTER PLAN PROGRAM**

Project Description Water System Master Planning includes planning for new facilities to treat and distribute drinking water, including water treatment plants, major transmission mains, pumping and storage facilities, and water supply needs.

Project Objectives Recommend water system improvements which are cost-effective and meet water system service goals. Recommend operational changes to reduce operation costs, or increase system efficiency and performance.

Existing Situation Currently, the water system supplies water in sufficient capacity and quality to meet the City's needs. Ongoing development has put demands on the system that need to be analyzed and planned for on a citywide basis to minimize impacts to the system.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6001	WATER IMPACT FEE	\$144,912	\$95,927	\$0	\$0	\$0	\$0	\$0
6005	WATER	\$3,645,687	\$133,332	\$350,000	\$0	\$0	\$0	\$0
	Total	\$3,790,599	\$229,259	\$350,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding	\$350,000
Est. Project Cost	\$4,140,599
FY2015/16 Funding	\$350,000
Prior Year Expenditures	\$3,561,340

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Dan Sherry

City of Sacramento
Capital Improvement Program

Z14000700

Project Name **BASE CIP CONTINGENCY PROGRAM - WATER**

Project Description Reserve funds for unforeseen capital program needs.

Project Objectives Facilitate completion of capital projects by reserving appropriations for minor overruns. Provide a source of funds for small projects that could not be anticipated before the start of the fiscal year.

Existing Situation It is prudent to maintain a capital program reserve, renewed annually as needed, as a source of funding should the need arise to provide additional funding for an existing project due to unforeseen conditions.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6005	WATER	\$1,896,957	\$1,896,957	\$1,000,000	\$0	\$0	\$0	\$0
6310	WATER REV. BONDS	\$1,002,301	\$1,002,301	\$0	\$0	\$0	\$0	\$0
Total		\$2,899,258	\$2,899,258	\$1,000,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$1,000,000
Est. Project Cost \$3,899,258
FY2015/16 Funding \$1,000,000
Prior Year Expenditures \$0

Council District All
Plan Area
Project Location Citywide

Project Manager Utilities, Dan Sherry

City of Sacramento
Capital Improvement Program

Z14001300

Project Name UTILITIES ADA IMPROVEMENT PROGRAM

Project Description To meet the ADA requirements, upgrade existing buildings, e.g., with ramps, supports, widened door openings.

Project Objectives Bring existing buildings up to existing ADA standards.

Existing Situation Buildings and structures may not be up to current ADA requirements.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6005	WATER	\$90,000	\$51,337	\$5,000	\$0	\$0	\$0	\$0
6006	WASTEWATER	\$10,000	\$4,542	\$5,000	\$0	\$0	\$0	\$0
6007	SOLID WASTE	\$5,000	\$2,271	\$0	\$0	\$0	\$0	\$0
6011	STORM DRAINAGE	\$51,000	\$23,167	\$0	\$0	\$0	\$0	\$0
Total		\$156,000	\$81,318	\$10,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$10,000
Est. Project Cost \$166,000
FY2015/16 Funding \$10,000
Prior Year Expenditures \$74,682

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Pete Millino

City of Sacramento
Capital Improvement Program

Z14001500

Project Name DRINKING WATER QUALITY PROGRAM

Project Description Provide for source water regulatory efforts specific to the City's water production wells and common to both surface water and groundwater.

Project Objectives Comply with source water requirements of the California Surface Water Treatment Rule and Clean Water Act.

Existing Situation The City conducts special studies to provide source water protection including required monitoring, tracking upcoming source water related regulations, and information collection on special topics.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6005	WATER	\$1,942,996	\$256,112	\$985,000	\$0	\$0	\$0	\$0
	Total	\$1,942,996	\$256,112	\$985,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding	\$985,000
Est. Project Cost	\$2,927,996
FY2015/16 Funding	\$985,000
Prior Year Expenditures	\$1,686,884

Council District All

Plan Area

Project Location Various

Project Manager Utilities, Dan Sherry

City of Sacramento
Capital Improvement Program

Z14001800

Project Name GROUNDWATER PROTECTION PROGRAM

Project Description Determine best possible well head treatment for contaminated wells and abandon existing contaminated ground water wells that threaten to spread to other aquifers.

Project Objectives Identify the level of and test technologies for well head treatment to meet future health regulations, particularly at sites with space constraints.

Existing Situation Currently, well water is only chlorinated at the well head. Wells are taken off-line if a contaminate is detected at a well.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6005	WATER	\$416,106	\$267,606	\$100,000	\$0	\$0	\$0	\$0
	Total	\$416,106	\$267,606	\$100,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$100,000
Est. Project Cost \$516,106
FY2015/16 Funding \$100,000
Prior Year Expenditures \$148,500

Council District All
Plan Area
Project Location Citywide

Project Manager Utilities, Dan Sherry

City of Sacramento
Capital Improvement Program

Z14006800

Project Name WATER UNPLANNED REPAIRS PROGRAM

Project Description Project to correct and repair unexpected critical failures with the City's water infrastructure.

Project Objectives Enable repairs needed to continue operating efficiently.

Existing Situation Due to the size and age of the City's infrastructure, unplanned failures occur. In order to have funding to make the necessary repairs, this program provides funding to respond to those events.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6005	WATER	\$496,384	\$324,680	\$400,000	\$0	\$0	\$0	\$0
	Total	\$496,384	\$324,680	\$400,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$400,000
Est. Project Cost \$896,384
FY2015/16 Funding \$400,000
Prior Year Expenditures \$171,704

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Dan Sherry

City of Sacramento Capital Improvement Program

Z14010000

Project Name RESIDENTIAL WATER METER PROGRAM

Project Description Install water meters at residential homes throughout the City that do not currently have meters. Assembly Bill (AB) 2572 requires the City to install water meters on existing water service connections by 2025.

Project Objectives Comply with AB 2572, promote conservation, and bill customers for the amount they use. The City's goal is to install water meters on all unmetered water service by December 2020. However, the funding available will not provide the resources needed to meet the December 2020 goal, absent approval of a rate increase.

Existing Situation Meters are installed at 55% of all City customers' locations.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6005	WATER	\$4,583,579	\$3,895,259	\$20,000,000	\$3,000,000	\$3,000,000	\$2,000,000	\$2,000,000
6310	WATER REV. BONDS	\$12,656,970	\$12,656,970	\$0	\$0	\$0	\$0	\$0
Total		\$17,240,549	\$16,552,229	\$20,000,000	\$3,000,000	\$3,000,000	\$2,000,000	\$2,000,000

2015 - 2020 Funding	\$30,000,000
Est. Project Cost	\$47,240,549
FY2015/16 Funding	\$20,000,000
Prior Year Expenditures	\$688,320



Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Michelle Carrey

**City of Sacramento
Capital Improvement Program**

Z14140100

Project Name SECURITY & EMERGENCY PREP PROGRAM

Project Description To merge two control dispatch centers, install security fencing and monitoring cameras at the 1391 and 1395 35th Avenue buildings, and hire a consultant to update and create emergency response plans.

Project Objectives Implement DOU Security Master Plan recommendations.

Existing Situation A security evaluation was completed by consultants in 2013 that provided a comprehensive road map to get the City Utilities' security up to best management practices, including recommendations for fixing potential security vulnerabilities.

Operating Budget Impact None.

Fund	Fund Description	As of 2/2015		2015/16	2016/17	2017/18	2018/19	2019/20
		Budget	Unobligated					
6005	WATER	\$217,000	\$89,271	\$165,000	\$0	\$0	\$0	\$0
6006	WASTEWATER	\$36,000	\$36,000	\$190,000	\$0	\$0	\$0	\$0
6011	STORM DRAINAGE	\$10,000	\$9,480	\$100,000	\$0	\$0	\$0	\$0
Total		\$263,000	\$134,751	\$455,000	\$0	\$0	\$0	\$0

2015 - 2020 Funding \$455,000
Est. Project Cost \$718,000
FY2015/16 Funding \$455,000
Prior Year Expenditures \$128,249

Council District All

Plan Area

Project Location Citywide

Project Manager Utilities, Pete Millino