



# REPORT TO COUNCIL

## City of Sacramento

# 17

915 I Street, Sacramento, CA 95814-2671  
www. CityofSacramento.org

CONSENT  
March 7, 2006

Honorable Mayor and  
Members of the City Council

**Subject:** Amendments to Fiscal Year (FY06) Utilities Capital Improvement Programs

**Location/Council District::** City wide

**Recommendation:**

It is recommended that the City Council adopt the attached resolution

- To amend the FY06 Water, Sewer, and Storm Drainage Funds Capital Improvement Programs
- To create new projects:
  - FWTP Mechanical Dewatering (PN: ZL31, Fund 413)
  - Zoo Pipeline (PN: ZL36, Fund 413)
  - Stockton Blvd R St TO 2<sup>ND</sup> (PN: ZL41, Fund 413)

**Contact:** David L. Brent, Engineering Manager, 808-1420; Charlene McKoy, Business Services Manager, 808-1462, Karen Lane, Program Manager, 808-8995

**Presenters:** N/A

**Department:** Department of Utilities

**Division:** Business Services

**Organization No:** 3351

**Summary:**

This report recommends that the City Council approve amendments to the FY06 Water, Sewer, and Storm Drainage Fund Capital Improvement Programs for the purpose of closing certain projects and utilizing excess funding for other projects.

**Committee/Commission Action:** None.



**Background Information:**

The Water, Sewer, and Storm Drainage Enterprise Funds support the operations, maintenance, repair, rehabilitation, and improvements of the water, wastewater, and storm drainage systems. These systems consist of two surface water treatment plants, eight water pumping stations, eight water reservoirs, 1,422 miles of water distribution pipes, 44 sewage pumping stations, six combined system pumping stations, 102 storm drainage pumping stations, 2,205 miles of wastewater and storm water collection pipes, ditches, channels, and secondary levees. Revenues are generated primarily from user fees.

The Department of Utilities has established the following goals that guide the planning and implementation of the Utilities Capital Improvement Programs:

**Water**

- 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.
- Ensure that expansion of the water treatment plant capacity, storage, and distribution systems meets present and future needs and conforms to the City's General Plan.
- Upgrade or replace existing water treatment, storage, and distribution systems in conformance with the water system master plans.
- Increase reliability and reduce maintenance costs by upgrading or replacing inadequate or deteriorated systems.

**Sewer**

- Provide for the safe and reliable collection and conveyance of wastewater.
- Ensure that the sewer collection and conveyance systems comply with all State and Federal regulations.
- Ensure that expansion and extension of the sewer collection and pumping systems conform to the City's General Plan.
- Upgrade or replace existing sewer collection and pumping systems in conformance with the sewer system master plans.
- Increase reliability and reduce maintenance costs by upgrading or replacing inadequate or deteriorated systems.

**Storm Drainage**

- Provide for the safe and reliable collection and conveyance of storm water runoff.
- Prevent streets from flooding higher than the top of the curb during 10-year return storms (a storm with a 1 in 10 chance of occurring in any given year) and prevent flooding of structures during 100-year return storms (1 in 100) at complete build-out in each drainage basin.

- Ensure the storm drainage collection system complies with all State and Federal regulations.
- Ensure that expansion of the storm drainage collection and pumping systems conforms to the City's General Plan.
- Upgrade or replace existing storm drainage collection and pumping systems in conformance with the storm drainage master plans.
- Increase reliability and reduce maintenance costs by upgrading or replacing inadequate or deteriorated systems.

**CURRENT FY06 CAPITAL IMPROVEMENT PROGRAMS**

In order to ensure that the current (FY06) Capital Improvement Program is meeting the needs of its residential and commercial customers, the Department has evaluated the projects in the current programs for condition assessment and criticality and recommends that the City Council amend the FY06 Capital Improvement Program based on the following.

CIP	PROJECT TITLE	COMMENTS	ADJUSTMENT
<u>STORM DRAINAGE FUND - 425</u>			
WE76	DRAIN SYSTEM MSTR PLAN	Less work planned in FY06	(168,000)
XM25	CSS MISCELLANEOUS	Less work planned in FY06	(35,000)
XM78	UP RAILYARD REGIONAL STRGE	Increased scope of project	337,500
XN21	N/O ALLEY SWR, 20TH-22ND	Increased scope of project	27,500
XN35	J/K ALLEY SEWER 9TH-11TH	Estimate revised after site visit	25,000
TOTAL STORM DRAINAGE FUND			187,000
<u>SEWER FUND - 414</u>			
XB16	SEWER SYS REHABILITATION	Less work planned in FY06	(115,000)
XI41	SUMP 79 RECONSTRUCTION	Increased scope of project	110,000
XM25	CSS MISCELLANEOUS	Less work planned in FY06	(105,000)
XM78	UP RAILYARD REGIONAL STRGE	Increased scope of project	112,500
XN21	N/O ALLEY SWR, 20TH-22ND	Increased scope of project	82,500
XN35	J/K ALLEY SEWER 9TH-11TH	Estimate revised after site visit	75,000
TOTAL SEWER FUND			160,000

WATER FUND - 413

ZB31	WATER SYSTEM MISC IMPROVMT	Less work planned in FY06	(200,000)
ZG91	FIBER OPTICS-FWTP TO ALHAM	Minor work covered by O&M	(150,000)
ZJ36	ELKHORN 3MG RESERVOIR	Major re-design increased costs	3,430,000
ZJ46	JIBBOOM ST REHAB/PARK	Site work necessary	200,000
ZJ56	SRWTP PROPERTY ACQUISITION	Less property needed	(200,000)
ZK06	SRWTP SWITCHGEAR RPL	Increased scope of work	165,000
ZK11	FWTP SLUDGE PILOT	Project near completion	(100,000)
ZK46	MAIN AVE BRDG TWN 24 TM	Project near completion	(100,000)
ZK76	T-MAIN RPL 12TH ST H-Q ST	Project delayed by conditions	(300,000)
ZK81	FWTP CLARIFIER MOTOR CNTRL	Construction costs after design	300,000
ZK86	FWTP HEAD HOUSE UPGRADE	Project completed	(172,958)
ZK91	T-MAIN POWER IN ROAD	Additional needed for study	200,000
ZL11	T-MAIN REPL 6TH ST I-Q ST	Project downsized by conditions	(1,250,000)
ZL16	SRWTP NO VAULT MANIFOLD 3	Project downsized by conditions	(300,000)
ZL31	FWTP MECHANICAL DEWATERING	NEW PROJECT: Design and construct a mechanical sludge dewatering system at the Fairbairn Water Treatment Plant (FWTP)	50,000
ZL36	ZOO PIPELINE	NEW PROJECT: Design and construction water pipeline extension in 13th Ave near the Sacramento Zoo administration building	100,000
ZL41	STOCKTON BLVD R ST TO 2ND	NEW PROJECT: Replace riveted steel water transmission main on Stockton Blvd. between R Street and 2nd Avenue	150,000
		TOTAL WATER FUND	1,822,042
<u>CAPITAL GRANTS FUND - 248</u>			
XH51	SUMP 119 RECONSTRUCTION	Project completed	(208,361)
		TOTAL PROGRAM CHANGES	1,960,681

**Financial Considerations:**

The changes recommended within this report are reallocating existing resources within the Water, Sewer, and Storm Drainage Programs to better manage existing resources. Additional funding from the Water, Sewer, and Storm Drainage Funds contingency reserves is being requested.

**Environmental Considerations:**

There are no environmental impacts associated with the budgetary adjustments in the Water, Sewer, and Storm Drainage Fund Capital Improvement Programs. The appropriate level of environmental review, under CEQA, will be performed in conjunction with the project planning and design stage of the capital improvement projects.

**Policy Considerations:**

This report's recommendation is consistent with the City's Strategic Plan Goals of improving and expanding public safety and achieving sustainability and livability.

**Emerging Small Business Development (ESBD):**

Not applicable. There are no goods or services being purchased as a direct result of this action.

Respectfully Submitted by:   
David L. Brent  
Engineering Manager

Approved by:   
 Gary A. Reents  
Director of Utilities

Recommendation Approved:

  
for RAY KERRIDGE  
Interim City Manager

Table of Contents:

Pg 1-5 Report  
Pg 6-7 Resolution

**RESOLUTION NO.**

Adopted by the Sacramento City Council

AMENDMENTS TO FY06 UTILITIES CAPITAL IMPROVEMENT PROGRAMS

**BACKGROUND**

- A. The City’s Strategic Plan established a goal of enhancing and preserving neighborhoods; and the Department of Utilities established the goal of providing high quality, reliable, and cost-effective water supply, sewer and drainage systems.
- B. The Department of Utilities has evaluated the projects in the current programs for condition assessment and criticality to ensure that the current (FY06) Capital Improvement Program is meeting the needs of its residential and commercial customers and is in conformance with the City’s Strategic Plan and the departmental goals.

**BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:**

- Section 1. The FY06 Capital Improvement Program is hereby amended to add the following projects:
  - a. FWTP Mechanical Dewatering (PN: ZL31, Fund 413)
  - b. Zoo Pipeline (PN: ZL36, Fund 413)
  - c. Stockton Blvd R St to 2<sup>nd</sup> (PN: ZL41, Fund 413)

- Section 2. The City Manager is authorized to reduce appropriations in the following capital improvement projects as shown:

SUMP 119 RECONSTRUCTION	CIP: XH51	Fund 248	(208,361)
T-MAIN REPL 6TH ST I-Q ST	CIP: ZL11	Fund 413	(1,250,000)
T-MAIN RPL 12TH ST H-Q ST	CIP: ZK76	Fund 413	(300,000)
SRWTP NO VAULT MANIFOLD 3	CIP: ZL16	Fund 413	(300,000)
WATER SYSTEM MISC IMPROVMT	CIP: ZB31	Fund 413	(200,000)
SRWTP PROPERTY ACQUISITION	CIP: ZJ56	Fund 413	(200,000)
FWTP HEAD HOUSE UPGRADE	CIP: ZK86	Fund 413	(172,958)
FIBER OPTICS-FWTP TO ALHAM	CIP: ZG91	Fund 413	(150,000)
FWTP SLUDGE PILOT	CIP: ZK11	Fund 413	(100,000)
MAIN AVE BRDG TWN 24 TM	CIP: ZK46	Fund 413	(100,000)
SEWER SYS REHABILITATION	CIP: XB16	Fund 414	(115,000)
CSS MISCELLANEOUS	CIP: XM25	Fund 414	(105,000)
DRAIN SYSTEM MSTR PLAN	CIP: WE76	Fund 425	(168,000)
CSS MISCELLANEOUS	CIP: XM25	Fund 425	<u>(35,000)</u>
	Total:		(3,404,319)

Section 3. The City Manager is authorized to appropriate funds to the following capital improvement projects as shown:

FWTP MECHANICAL DEWATERING	CIP: ZL31	Fund 413	50,000
ZOO PIPELINE	CIP: ZL36	Fund 413	100,000
STOCKTON BLVD R ST TO 2ND	CIP: ZL41	Fund 413	150,000
SRWTP SWITCHGEAR RPL	CIP: ZK06	Fund 413	165,000
ELKHORN 3MG RESERVOIR	CIP: ZJ36	Fund 413	3,430,000
JIBBOOM ST REHAB/PARK	CIP: ZJ46	Fund 413	200,000
T-MAIN POWER IN ROAD	CIP: ZK91	Fund 413	200,000
FWTP CLARIFIER MOTOR CNTRL	CIP: ZK81	Fund 413	300,000
J/K ALLEY SEWER 9TH-11TH	CIP: XN35	Fund 414	75,000
N/O ALLEY SWR, 20TH-22ND	CIP: XN21	Fund 414	82,500
SUMP 79 RECONSTRUCTION	CIP: XI41	Fund 414	110,000
UP RAILYARD REGIONAL STRGE	CIP: XM78	Fund 414	112,500
J/K ALLEY SEWER 9TH-11TH	CIP: XN35	Fund 425	25,000
N/O ALLEY SWR, 20TH-22ND	CIP: XN21	Fund 425	27,500
UP RAILYARD REGIONAL STRGE	CIP: XM78	Fund 425	<u>337,500</u>
	Total:		5,365,000
	Total Program		
	Changes:		1,960,681