

SEWER CAPITAL IMPROVEMENT FUND - FUND 613

PROJ. NO.	PROJECT DESCRIPTION	PROJ. TOTAL	PRIOR YEARS	EST FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
7509	Recycled Water Feasibility Study and Facilities Plan <i>SWRCP Planning Grant</i>	210 75	61	149 75										
7512	Solar Panel Feasibility Study/Design for WPCF	300	0	300										
7517	Construction Management Services - Phase I	1,700	1,541	159										
7518	WPCF Improvements - Phase I	55,182	53,532	1,650										
7525	West Tennyson Sewer Improvements - Cascade Diverter	2,200	210	1,990										
7526	Sewer Maintenance Software	90	4	86										
7519	"A" Street and Yolo Street Easement Sewer Improvement	1,200	45	575	580									
7545	Water Pollution Control Facility Shrub Planting	61	11	20	20	10								
7523	Project Predesign Services	165	N/A	15	15	15	15	15	15	15	15	15	15	15
7520	Sludge Handling Master Plan	50	0	0	50									
7515	Convert Gravity Thickener to New Primary Clarifier	2,430	0	0	400	2,030								
7641	Enclose Effluent Contact Channel	3,100	0	0	500	2,600								
NEW	Study of Impacts of Whitesell Extension on WPCF	20	0	0	20									
NEW	Wind Power Feasibility Study	100	0	0	100									
NEW	WPCF Master Plan Update	300	0	0	300									
NEW	West Winton Landfill Drainage Culvert Repair and Cap Placement Project	350	0	0	350									
NEW	Solar Power Design and Construction	8,000	0	0	8,000									
7528	WPCF Administration Building HVAC Renovation Project	200	0	0	0	200								
TBD	Wastewater Collection System Master Plan	300	0	0	0	300								
TBD	West Trickling Filter Biofilter	400	0	0	0	400								
NEW	WPCF Administration Building Renovation and Addition	1,000	0	0	0	1,000								
NEW	Recycled Water Treatment and Distribution Facilities	9,900	0	0	0	2,600	7,300							
NEW	WPCF Master Plan Update Improvement Projects	2,500	0	0	0	500	500	500	500	500				
TBD	2nd Engine & Grease Digestion Co-Generation System	2,000	0	0	0	0	0	2,000						
NEW	Storage Ponds Evaluation and Rehabilitation	4,500	0	0	0	0	0	500	4,000					
NEW	New Final Clarifier	7,900	0	0	0	0	0	0	0	0	0	0	7,900	
TOTAL PROJECT COSTS				4,944	10,335	9,655	7,815	3,015	4,515	515	15	15	7,915	15

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PROJ. NO.	PROJECT DESCRIPTION	PROJ. TOTAL	PRIOR YEARS	EST FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
	Utilities Maintenance Facility Debt Service (through year 2012)	1,821	1,391	86	86	86	86	86						
	Debt Service State Revolving Fund (50% of total DS for 20 years to 2028)			0	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350
	Debt Service State Revolving Fund for WPCF Phase II Improvements (20 years to 2033)			0	0	0	0	270	270	270	270	270	270	270
	Debt Service State Revolving Fund for Recycled Water Project (20 years to 2034)			0	0	0	0	0	320	320	320	320	320	320
	Debt Service State Revolving Fund for Final Clarifier (20 years to 2039)			0	0	0	0	0	0	0	0	0	0	85
	TOTAL EXPENDITURES			5,030	11,771	11,091	9,251	4,721	6,455	2,455	1,955	1,955	9,855	2,040
	REVENUES:													
	Connection Fee			1,000	1,000	1,000	1,500	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	Interest			130	139	215	166	208	151	71	77	94	62	28
	LAVWMA Buy-In Fee			135	135	135	135	135	135	135	135	135	135	135
	SWRCP Planning Grant			75										
	Proceeds of Borrowing (\$45.5 million WPCF Improvement Project out of \$54.5 million total borrowing)		44,712	711										
	Project 7519 Developer Payment				700									
	PG&E Grant for Solar Project				1,600									
	Economic Stimulus Grant Funding for Solar Project				6,400									
	Proceeds of Borrowing (\$4.6 million WPCF Improvement Project Phase II Project out of \$5.4 million total borrowing)					4,600								
	SWRCB Construction Grant for Recycled Water Facilities (25% of construction cost)						1,800							
	Proceeds of Borrowing (\$5.4 million Recycled Water Project SRF out of \$6.4 million total borrowing)						5,400							
	Proceeds of Borrowing (\$1.5 million Final Clarifier SRF out of \$1.7 million total borrowing)												1,500	
	REVENUE SUBTOTAL:			2,051	9,974	5,950	9,001	2,343	2,286	2,206	2,212	2,229	3,697	2,163
	TRANSFERS IN FROM:													
	Redevelopment Agency \$2.35 Million Loan Repayment (through Fiscal Year 2011)	2,741	1,393	499	489	360								
	Water Improvement Fund 622 for 50% of Recycled Water								160	160	160	160	160	160
	WPCF Replacement Fund 616 for 50% of New Final Clarifier												3,950	
	TRANSFERS SUBTOTAL:			499	489	360	0	0	160	160	160	160	4,110	160
	REVENUE TOTALS:			2,550	10,463	6,310	9,001	2,343	2,446	2,366	2,372	2,389	7,807	2,323
	BEGINNING FUND BALANCE:			17,058	14,578	13,270	8,489	8,239	5,861	1,852	1,763	2,180	2,614	566
	ENDING FUND BALANCE:			14,578	13,270	8,489	8,239	5,861	1,852	1,763	2,180	2,614	566	849

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: "A" Street and Yolo Street Easement Sewer Improvement

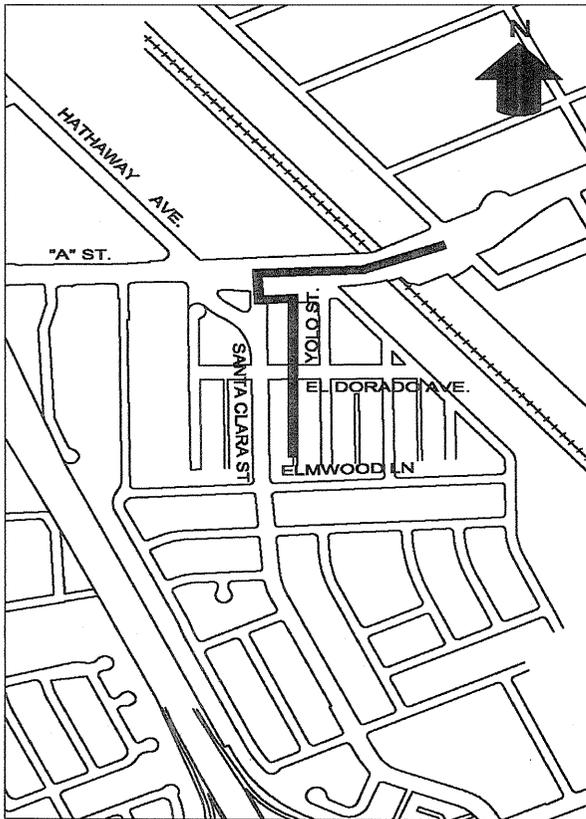
Project No.: 7519

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	45	575	580										1,200
Reimbursements			(700)										(700)
Net Cost to Fund	45	575	(120)										500



DESCRIPTION:

Project to replace existing sewer lines with a larger 24" line to improve hydraulic capacity and reliability under wet weather and peak dry-flow conditions.

JUSTIFICATION:

Project is recommended in the Wastewater Collection System Master Plan Update.

REIMBURSEMENTS:

Developer 700

PROJECT MODIFICATIONS:

Project increased by \$314,000 to reflect current construction costs.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CITY OF
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CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Landscape

Project Title: Water Pollution Control Facility Shrub Planting

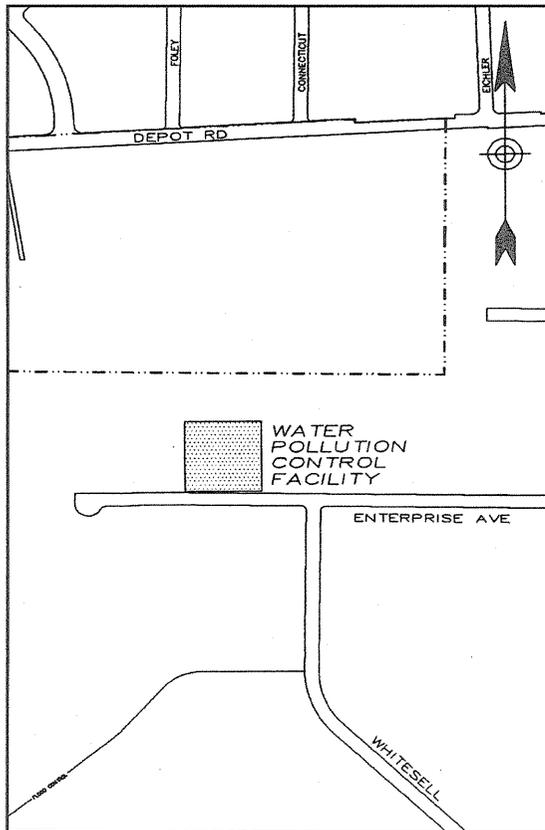
Project No.: 7545

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	11	20	20	10									61
Reimbursements													
Net Cost to Fund	11	20	20	10									61



DESCRIPTION:

Perimeter shrub planting at the Water Pollution Control Facility.

JUSTIFICATION:

Project to provide beautification and odor control at the facility.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Added \$20,000 to project due to more current cost estimates.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Project Predesign Services

Project No.: 7523

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	N/A	15	15	15	15	15	15	15	15	15	15	15	165
Reimbursements													
Net Cost to Fund	N/A	15	15	15	15	15	15	15	15	15	15	15	165

DESCRIPTION:

City engineering costs associated with predesign of sewer system projects, including preliminary survey, design, and cost estimates.

JUSTIFICATION:

Predesign projects fund work by Engineering & Transportation staff involving preliminary design and general administrative work performed on the Capital Improvement Program.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Continued project by adding funding of \$15,000 each year from FY14 through FY19.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Sludge Handling Master Plan

Project No.: 7520

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	50										50
Reimbursements													
Net Cost to Fund	0	0	50										50

DESCRIPTION:

A master plan is needed in order to determine the need for additional drying beds, sludge curing field capacity, and future sludge disposal options.

JUSTIFICATION:

The generation of solids/sludge has increased significantly over the years. The sludge drying beds and curing field capacity are close to their limit.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Convert Gravity Thickener to New Primary Clarifier

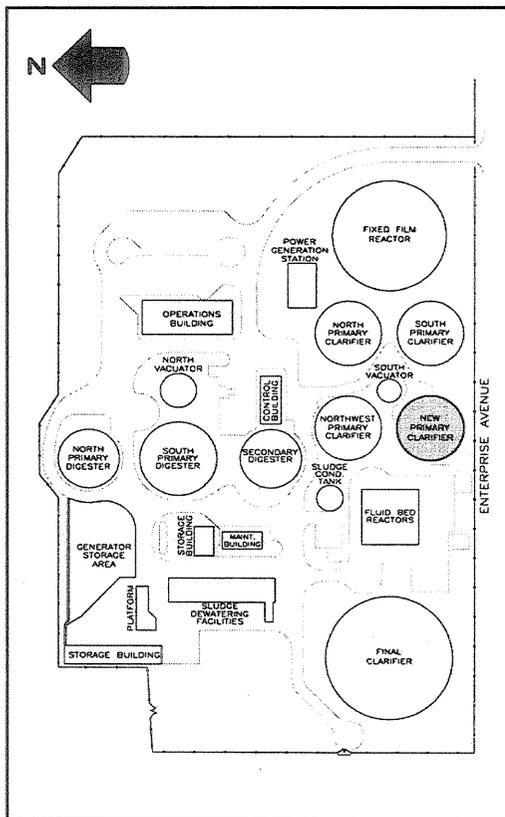
Project No.: 7515

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	400	2,030									2,430
Reimbursements													
Net Cost to Fund	0	0	400	2,030									2,430



DESCRIPTION:

Project to convert the existing gravity thickener into a fourth primary clarifier.

JUSTIFICATION:

Project recommended in the Water Pollution Control Facility Master Plan.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



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CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Enclose Effluent Contact Channel

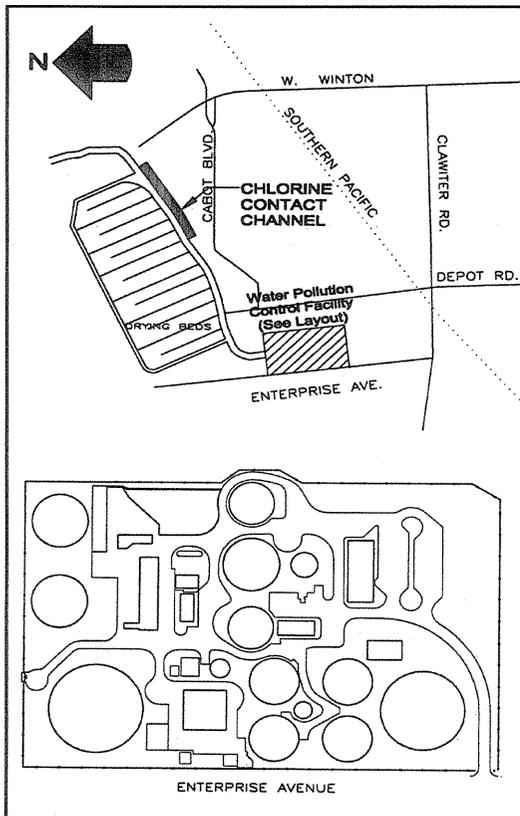
Project No.: 7641

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	500	2,600									3,100
Reimbursements													
Net Cost to Fund	0	0	500	2,600									3,100



DESCRIPTION:

Project to enclose the existing chlorine contact open channel from the hypochlorite station to the EBDA pump station.

JUSTIFICATION:

The open channel environment causes an increase in turbidity during storm events. This increase, at times, causes discharge requirements to be exceeded. In addition, project is recommended in the WPCF Master Plan.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CITY OF
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CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Study of Impacts of Whitesell Extension on WPCF

Project No.: New

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	20										20
Reimbursements													
Net Cost to Fund	0	0	20										20

DESCRIPTION:

This project will study the impacts of the Whitesell Extension on the ability of staff to access various portions of the treatment plant after the street is constructed.

JUSTIFICATION:

Since the Whitesell extension will bisect a portion of the WPCF, a study is needed in order to identify alternatives for plant staff to access various parts of the treatment process.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Wind Power Feasibility Study

Project No.: New

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	100										100
Reimbursements													
Net Cost to Fund	0	0	100										100

DESCRIPTION:

A feasibility study would look at the economics, environmental impacts, and available technology to determine if wind turbine power generation should be developed at the WPCF.

JUSTIFICATION:

Wind turbine power generation would allow the City to offset commercial power demands and/or sell electric power to PG&E.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: WPCF Master Plan Update

Project No.: New

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	300										300
Reimbursements													
Net Cost to Fund	0	0	300										300

DESCRIPTION:

The WPCF liquid and solids processes will be re-evaluated for efficiency and effective treatment capability. The last Master Plan was performed in 2000 and primarily evaluated the liquid process.

JUSTIFICATION:

A thorough review needs to be performed in order to assess the new process improvements as well as to look at future equipment needs and treatment process improvements.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: West Winton Landfill Drainage Culvert Repair and Cap Placement Project

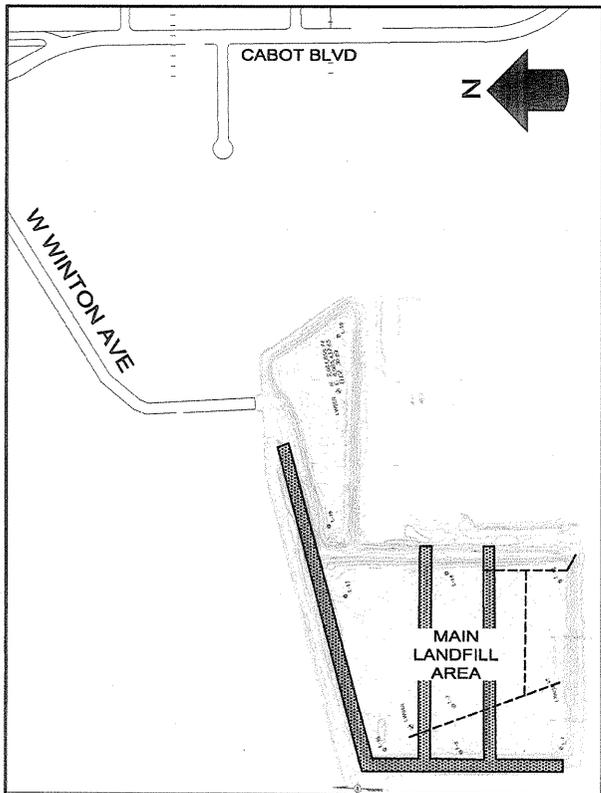
Project No.: New

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	350										350
Reimbursements													
Net Cost to Fund	0	0	350										350



DESCRIPTION:

This project will provide for consultant services to design and construct drainage culvert leveling and replacement on main landfill area. The project will also provide for design and construction of a protective cap in specified areas as required by the West Winton Landfill Waste Discharge Requirements.

JUSTIFICATION:

The Regional Water Board has identified issues of non-compliance of the West Winton Landfill Waste Discharge Requirements.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CITY OF
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CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System Project Title: Solar Power Design and Construction
 Project No.: New
 Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	8,000										8,000
Reimbursements													
Net Cost to Fund	0	0	8,000										8,000

DESCRIPTION:

This project would implement recommendations from the Solar Panel Feasibility Study to construct solar panels at the Water Pollution Control Facility and is based on an assumed 1 MW capacity.

JUSTIFICATION:

The solar panels would offset commercial energy demands and/or allow the City to sell electric power to PG&E.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: WPCF Administration Building HVAC Renovation Project

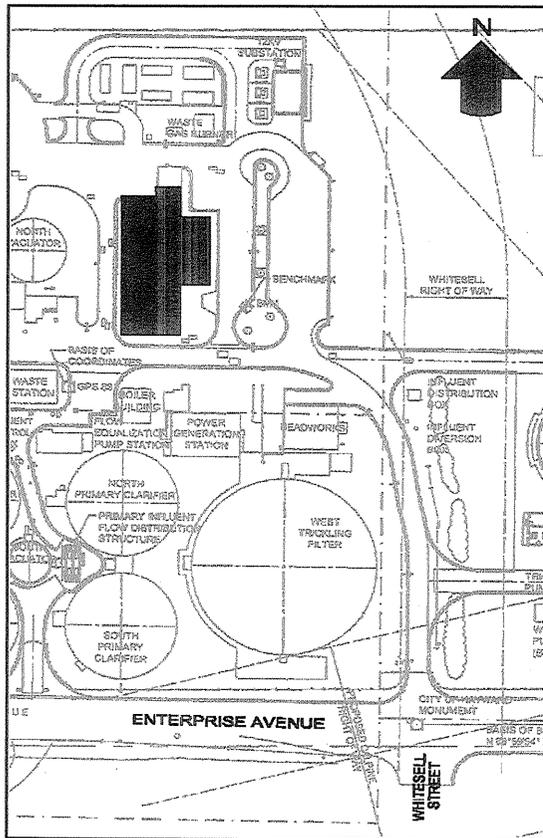
Project No.: 7528

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	0	200									200
Reimbursements													
Net Cost to Fund	0	0	0	200									200



DESCRIPTION:

This project will design and construct a new HVAC system at the WPCF Administration Building.

JUSTIFICATION:

The current HVAC system has had repeated failures and cannot be adequately controlled in the various areas of the building.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CITY OF
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CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Wastewater Collection System Master Plan

Project No.: To Be Determined

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	0	300									300
Reimbursements													
Net Cost to Fund	0	0	0	300									300

DESCRIPTION:

This plan will update the Wastewater Collection System maps and hydraulic model.

JUSTIFICATION:

Updates to the Master Plan will reflect existing and planned improvements/additions to the collection system.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: West Trickling Filter Biofilter

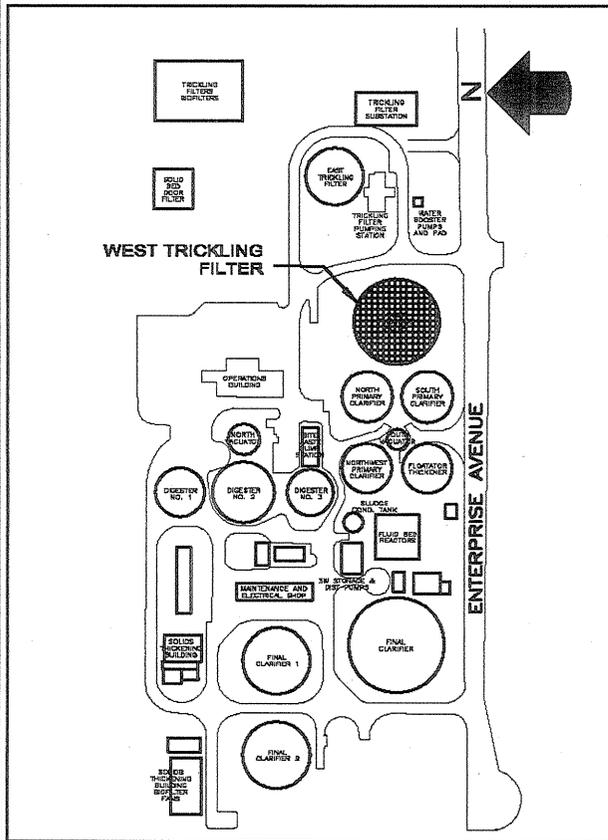
Project No.: To Be Determined

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	0	400									400
Reimbursements													
Net Cost to Fund	0	0	0	400									400



DESCRIPTION:

This project will improve the odor control plan for the existing Water Pollution Control Facility (WPCF) trickling filter and is to be completed as part of the WPCF Phase II improvements.

JUSTIFICATION:

The new odor control technology is more efficient and requires a smaller footprint than conventional soil bed biofilters. In addition, project is recommended in the WPCF Master Plan.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CITY OF
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CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: WPCF Administration Building Renovation and Addition

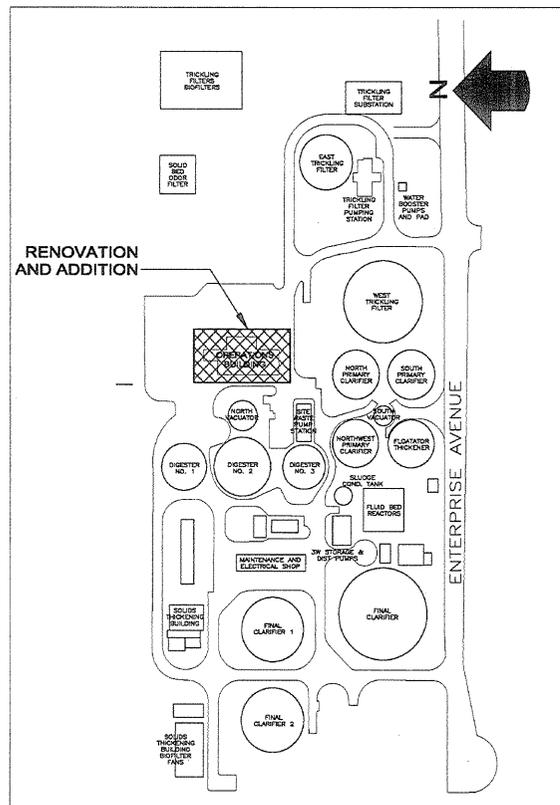
Project No.: New

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	0	1,000									1,000
Reimbursements													
Net Cost to Fund	0	0	0	1,000									1,000



DESCRIPTION:

The project will renovate and improve the administrative offices at the Water Pollution Control Facility.

JUSTIFICATION:

The renovations are needed in order to improve workplace efficiency.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Recycled Water Treatment and Distribution Facilities

Project No.: New

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	0	2,600	7,300								9,900
Reimbursements													
Net Cost to Fund	0	0	0	2,600	7,300								9,900

DESCRIPTION:

The City is preparing a Recycled Water Facilities Plan, which is expected to be completed by June 2009. Based on the results of this planning effort, funding is programmed for the City's cost share of a 4.5 million gallon per day (mgd) tertiary treatment facility, along with the full cost of a distribution system to deliver recycled water to customers within the proposed service area.

JUSTIFICATION:

The project would serve the Calpine Russell City Energy Center plus non-residential customers located within a two-mile radius of the facility. In addition, project is recommended in the Recycled Water Facilities Plan.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: WPCF Master Plan Update Improvement Projects

Project No.: New

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	0	500	500	500	500	500					2,500
Reimbursements													
Net Cost to Fund	0	0	0	500	500	500	500	500					2,500

DESCRIPTION:

The last WPCF Master Plan was completed in 2000. This Master Plan Update will identify liquid and solids handling process improvements. Any improvements will be phased-in over a five-year time period.

JUSTIFICATION:

The improvements may include needed items, such as process piping modifications as well as energy and efficiency equipment replacements.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Second Engine & Grease Digestion Co-Generation System

Project No.: To Be Determined

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	0	0	0	2,000							2,000
Reimbursements													
Net Cost to Fund	0	0	0	0	0	2,000							2,000

DESCRIPTION:

This project will install a second co-generation engine and grease digestion system at the Treatment Plant.

JUSTIFICATION:

With the addition of this second system, more energy will be produced to power the Treatment Plant.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Storage Ponds Evaluation and Rehabilitation
 Project No.: New
 Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	0	0	0	500	4,000						4,500
Reimbursements													
Net Cost to Fund	0	0	0	0	0	500	4,000						4,500

DESCRIPTION:

This project would evaluate potential uses for the existing oxidation ponds and implement recommendations.

JUSTIFICATION:

The existing oxidation ponds have been used since the early 1960s as part of the secondary treatment process. In the 1970s, the ponds were abandoned due to secondary process improvements. Future plans could include dredging the ponds for more capacity and installing a permanent water pumping system in order to remove water for disposal to the final effluent channel.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: New Final Clarifier

Project No.: New

Fund 613 - Sewer Capital Improvement Fund

(\$ IN \$1,000)

PROPOSED CIP EXPENDITURE AND REIMBURSEMENT SCHEDULE

	PRIOR FUNDING	ESTIMATED FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	TOTALS
Expenditures	0	0	0	0	0	0	0	0	0	0	7,900		7,900
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	0	0	0	7,900		7,900

DESCRIPTION:

This project would design and construct a third, final clarifier at a location to be determined within the WPCF.

JUSTIFICATION:

The existing WPCF Master Plan calls for two final clarifiers for Phases 1 and 2, and a third final clarifier in the future based on the needs and performance of the WPCF. This need is further delineated in Brown and Caldwell's Phase I Design Report.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.

