

SEWER COLLECTION SYSTEM REPLACEMENT FUND - FUND 614

PROJ. NO.	PROJECT DESCRIPTION	PROJ. TOTAL	PRIOR YEARS	EST. FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
7532	Sewer Main Relocations at 92/880 Interchange <i>Caltrans Reimbursement</i>	150 150	128 150	22										
7533	Annual Line Replacements FY08	300	75	225										
7536	Sewer Spot Repairs at Various Easement Areas	53	49	4										
7537	SCADA System Record and Programming Data Update	200	1	199										
7538	SCADA PLC/Radio Replacement	315	145	170										
7548	Candlewood Place and Nimitz Freeway Crossing Sanitary Sewer Improvements	778	22	756										
7549	Annual Line Replacements FY07	250	243	7										
7551	Upgrade of Tennyson Pump Station Motor Control Center	100	0	100										
7552	Rehabilitate Arden Road Gravity Box	200	0	200										
7550	Dixon Area Sewer Improvement Project	1,100	53	97	950									
7524	Project Predesign Services	165	N/A	15	15	15	15	15	15	15	15	15	15	15
7575	Miscellaneous Lift Station Equipment Replacement	1,100	N/A	100	100	100	100	100	100	100	100	100	100	100
7594	SCADA & Transducer Replacement	165	N/A	15	15	15	15	15	15	15	15	15	15	15
7531	Asset Management Plan	100	0	0	100									
7535	Annual Line Replacements FY09	616	0	0	616									
7546	Sunset Area Sewer Capacity Study	50	0	0	50									
NEW	Sanitary Sewer Overflow (SSO) Response Trailer	10	0	0	10									
NEW	Submersible Pump Replacement at Durham, Linden and Halifax Sewage Pump Stations	52	0	0	52									
TBD	Annual Line Replacements FY10	300	0	0	300									
TBD	Annual Line Replacements FY11	300	0	0	0	300								
7547	Sewer Replacement at Linden Street, Madrone Street, and Beech Street Easement Areas	300	0	0	0	40	260							
TBD	Annual Line Replacements FY12 - FY19	8,000	N/A	0	0	0	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
NEW	Sewer Collection System Master Plan	400	0	0	0	0	0	0	400					
NEW	Sewer Collection System Master Plan Recommendations	2,500	0	0	0	0	0	0	0	500	500	500	500	500
NEW	Valle Vista Submersible Pump Repl and Wet Well Rehab	400	0	0	0	0	0	0	0	0	0	400		
NEW	SCADA System Evaluation and Upgrade	300	0	0	0	0	0	0	0	0	0	0	300	

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PROJ. NO.	PROJECT DESCRIPTION	PROJ. TOTAL	PRIOR YEARS	EST. FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
	TOTAL PROJECT COSTS			1,910	2,208	470	1,390	1,130	1,530	1,630	1,630	2,030	1,930	1,630
	TOTAL EXPENDITURES			1,910	2,208	470	1,390	1,130	1,530	1,630	1,630	2,030	1,930	1,630
	REVENUES:													
	Interest			39	39	71	74	105	136	126	114	93	65	45
	REVENUE SUBTOTAL:			39	39	71	74	105	136	126	114	93	65	45
	TRANSFERS IN FROM:													
	Fund 611 (Sewer Revenue Fund)			1,000	1,000	1,000	1,000	1,000	1,200	1,200	1,200	1,200	1,200	1,200
	TRANSFERS SUBTOTAL:			1,000	1,000	1,000	1,000	1,000	1,200	1,200	1,200	1,200	1,200	1,200
	REVENUE TOTALS:			1,039	1,039	1,071	1,074	1,105	1,336	1,326	1,314	1,293	1,265	1,245
	BEGINNING FUND BALANCE:			5,333	4,462	3,293	3,894	3,578	3,553	3,359	3,055	2,739	2,002	1,337
	ENDING FUND BALANCE:			4,462	3,293	3,894	3,578	3,553	3,359	3,055	2,739	2,002	1,337	952

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Dixon Area Sewer Improvement Project

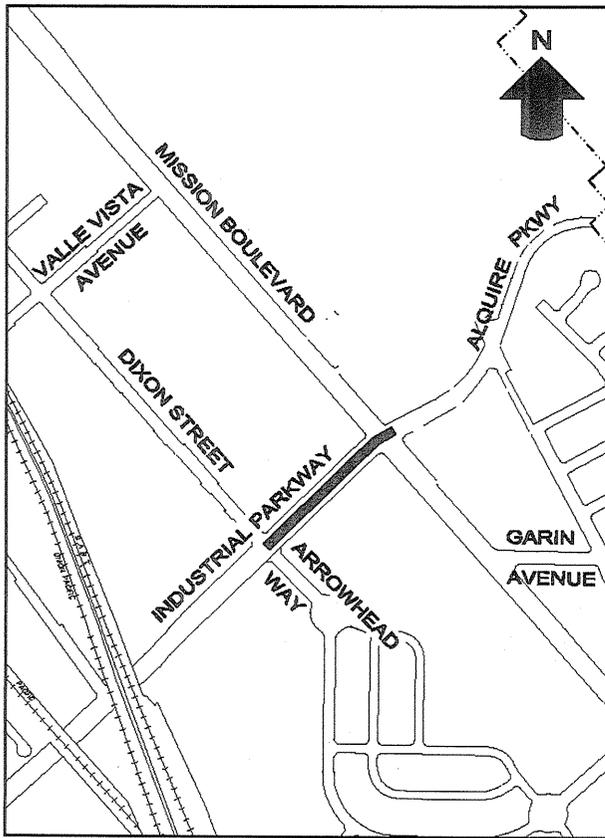
Project No.: 7550

Fund 614 - Sewer Collection System Replacement 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	53	97	950										1,100
Reimbursements													
Net Cost to Fund	53	97	950										1,100



DESCRIPTION:

This project will replace existing sewer mains along Industrial Parkway and the connections to Dixon Street.

JUSTIFICATION:

The sewer mains at these locations are in excess of 50 years old and have some capacity problems. In addition, project is recommended in the Wastewater Collection System 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: Project Predesign Services
 Project No.: 7524
 Fund 614 - Sewer Collection System Replacement 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:

Funding of \$15,000 was added each year from FY14 through FY19 to continue the project.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Miscellaneous Lift Station Equipment Replacement

Project No.: 7575

Fund 614 - Sewer Collection System Replacement 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	100	100	100	100	100	100	100	100	100	100	100	1,100
Reimbursements													
Net Cost to Fund	N/A	100	100	100	100	100	100	100	100	100	100	100	1,100

DESCRIPTION:

This is an annual project to replace mechanical hardware and electrical components at eight sewage lift stations after they are no longer economically repairable.

JUSTIFICATION:

This project will ensure proper maintenance of station facilities.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Added \$100,000 each year from FY14 through FY19 to continue this program.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: SCADA & Transducer Replacement

Project No.: 7594

Fund 614 - Sewer Collection System Replacement 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:

Annual project to update the radio telemetry system with transducer replacements.

JUSTIFICATION:

The new radio telemetry system requires annual improvements in order to maintain reliability.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Funding of \$15,000 was added each year from FY14 through FY19 to continue the project.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Asset Management Plan

Project No.: 7531

Fund 614 - Sewer Collection System Replacement 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:

An updated plan will serve to evaluate all major sewer facilities and pipelines as well as provide a schedule of cost estimates for the replacement/rehabilitation of such facilities and pipelines.

JUSTIFICATION:

This project will ensure proper maintenance of utilities, facilities, and pipelines.

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: Annual Line Replacements FY09

Project No.: 7535

Fund 614 - Sewer Collection System Replacement 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	616										616
Reimbursements													
Net Cost to Fund	0	0	616										616

DESCRIPTION:

Annual program to replace or make spot repairs at locations identified from yearly TV inspection program.

Each year, as funds are appropriated, the current portion of the program will be segregated to more easily track costs.

JUSTIFICATION:

This project helps to maintain the sewer system at an acceptable operational level.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

An additional appropriation of \$316,000 is needed to complete the requisite work.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Sunset Area Sewer Capacity Study

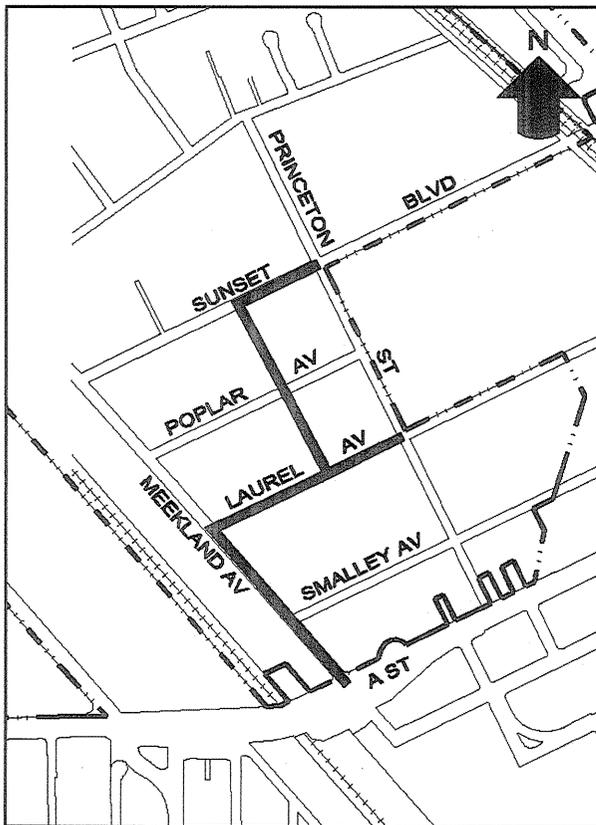
Project No.: 7546

Fund 614 - Sewer Collection System Replacement 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:

This study will investigate the 12" sanitary sewer mains just west of Sunset High School.

JUSTIFICATION:

The sewer mains in this area were identified in the wastewater collection system model update as having future capacity issues during wet weather peak flows.

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: Equipment Acquisition Project Title: Sanitary Sewer Overflow (SSO) Response Trailer
 Project No.: New
 Fund 614 - Sewer Collection System Replacement 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	10										10
Reimbursements													
Net Cost to Fund	0	0	10										10

DESCRIPTION:

This project will provide for a trailer that would be stocked with supplies typically used during a sanitary sewer overflow (SSO), such as barricades, sandbags, pumps, lights, absorbent materials and signage.

JUSTIFICATION:

Timely response to and containment of SSOs are mandated by the Regional Water Quality Control Board.

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: Submersible Pump Replacement at Durham, Linden and Halifax Sewage Pump Stations

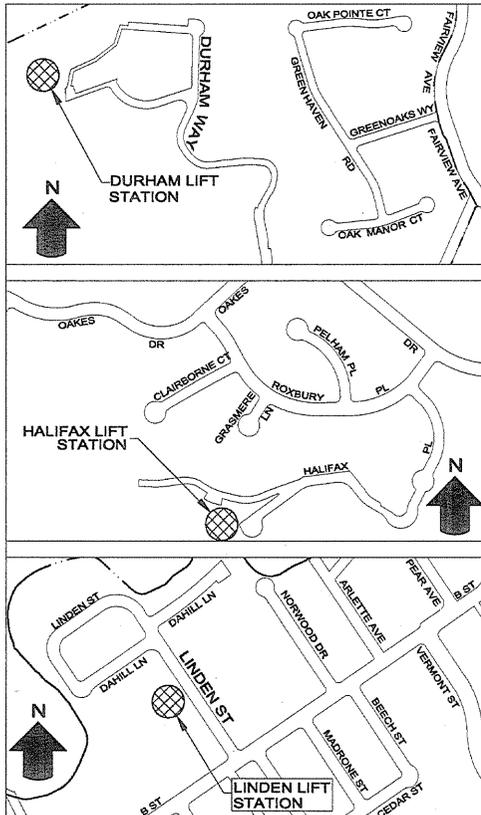
Project No.: New

Fund 614 - Sewer Collection System Replacement 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	52										52
Reimbursements													
Net Cost to Fund	0	0	52										52



DESCRIPTION:

The pumps located at Durham, Linden and Halifax are all in excess of 25 years old and need to be replaced. At the Halifax site, new Flygt pumps (City standard) and removal system will replace the existing PACO pumps.

JUSTIFICATION:

The existing pumps have reached the end of their useful life and replacement parts are non-existent due to the age of the equipment.

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: Annual Line Replacements FY10

Project No.: To Be Determined

Fund 614 - Sewer Collection System Replacement 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:

Annual program to replace or make spot repairs at locations identified from yearly TV inspection program.

Each year, as funds are appropriated, the current portion of the program will be segregated to more easily track costs.

JUSTIFICATION:

This project helps to maintain the sewer system at an acceptable operational level.

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: Annual Line Replacements FY11

Project No.: To Be Determined

Fund 614 - Sewer Collection System Replacement 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:

Annual program to replace or make spot repairs at locations identified from yearly TV inspection program.

Each year, as funds are appropriated, the current portion of the program will be segregated to more easily track costs.

JUSTIFICATION:

This project helps to maintain the sewer system at an acceptable operational level.

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: Sewer Replacement at Linden, Madrone, & Beech Street Easement Areas

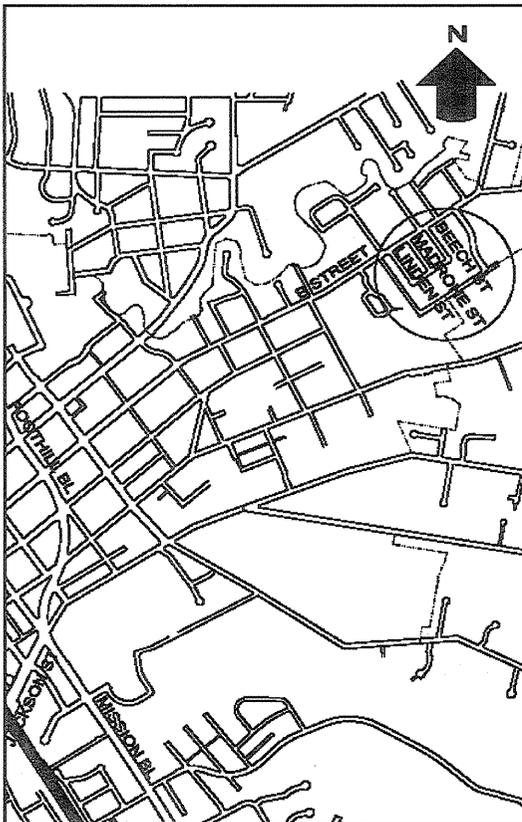
Project No.: 7547

Fund 614 - Sewer Collection System Replacement 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	40	260								300
Reimbursements													
Net Cost to Fund	0	0	0	40	260								300



DESCRIPTION:

Approximately 1,240 feet of sewer main located at Linden, Madrone, and Beech streets are scheduled to be replaced.

JUSTIFICATION:

The project will result in more reliable sewer discharge capability and easier maintenance access.

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: Annual Line Replacements - FY12-FY19

Project No.: To Be Determined

Fund 614 - Sewer Collection System Replacement 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	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	8,000
Reimbursements													
Net Cost to Fund	0	0	0	0	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	8,000

DESCRIPTION:

Annual program to replace or make spot repairs at locations identified from yearly TV inspection program.

Each year as funds are appropriated, the current portion of the program will be segregated to more easily track costs.

JUSTIFICATION:

This project helps to maintain the sewer system at an acceptable operational level.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Funding of \$1,000,000 was added each year from FY14 through FY19 to continue this project.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Sewer Collection System Master Plan

Project No.: New

Fund 614 - Sewer Collection System Replacement 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	400						400
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	400						400

DESCRIPTION:

The last complete Sewer Collection System Master Plan was prepared in 2002. A number of the recommendations have been implemented or are included in the Capital Improvement Program and scheduled to be completed by 2014. Therefore, it would be beneficial to prepare a new Sewer Collection System Master Plan by that time.

JUSTIFICATION:

The Plan would update future system demand, evaluate hydraulic and operational capacity, and review the physical condition of some major facilities.

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: Sewer Collection System Master Plan Recommendations

Project No.: New

Fund 614 - Sewer Collection System Replacement 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	500	500	500	500	500	2,500
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	500	500	500	500	500	2,500

DESCRIPTION:

It is anticipated that the Sewer Collection System Master Plan, scheduled to be completed in 2014, will identify needed improvement projects in order to ensure the reliability of the City's collection system.

JUSTIFICATION:

This project serves as a place holder to fund implementation of the Plan recommendations that result in improvements to the system.

MAP NOT APPROPRIATE

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: Valle Vista Submersible Pump Replacement and Wet Well Rehabilitation

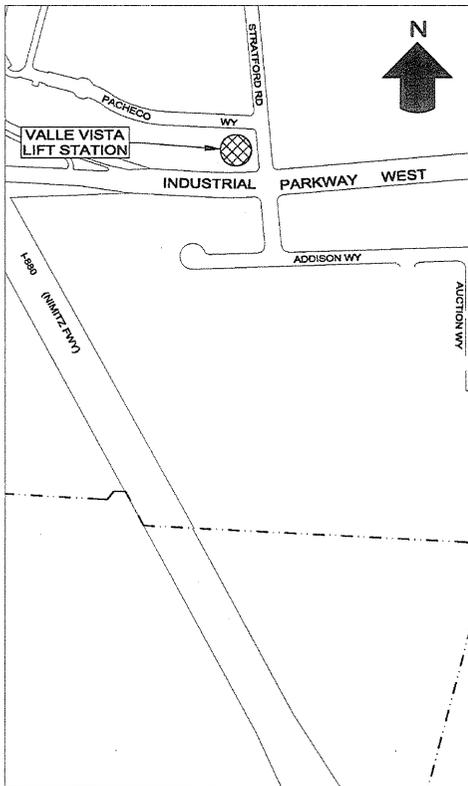
Project No.: New

Fund 614 - Sewer Collection System Replacement 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	400			400
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	0	0	400			400



DESCRIPTION:

This project will replace a total of 4 submersible pumps (two are 35 horsepower and two are 135 horsepower). In addition, there will be an evaluation of the condition of the wet wall "T-lock" system and repair/replace the system as needed.

JUSTIFICATION:

The existing pumps have reached the end of their useful life.

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: Equipment Acquisition Project Title: SCADA System Evaluation and Upgrade
 Project No.: New
 Fund 614 - Sewer Collection System Replacement 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	300		300
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	0	0	0	300		300

DESCRIPTION:

This project will fund an evaluation of the SCADA system and implementation of recommended upgrades to the software and hardware.

JUSTIFICATION:

Periodic evaluation of the SCADA system will allow for the purchase of the most current and appropriate software to ensure the proper functioning of the system.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.

