

WATER POLLUTION CONTROL REPLACEMENT FUND - FUND 616

PROJ. NO.	PROJECT DESCRIPTION	PROJ. TOTAL	PRIOR YEARS	EST. FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
7637	CCTV Solids Handling/Front Gate Security	40	0	40										
7638	Digester No. 1 Dome Rehabilitation	453	419	34										
7643	Digester Feed Valve Automation	75	0	75										
7647	West Trickling Filter Rehabilitation	150	0	150										
7653	SCADA PLC Replacement	350	313	37										
7648	Seismic Retrofit Miscellaneous Plant Buildings	375	5	20	350									
7654	Levee Road and Effluent Channel Repair	400	0	200	200									
7649	Headworks Ventilation System Evaluation	25	0	0	25									
7651	Co-Generation System - Alternative & Implementation	1,600	52	0	1,548									
7640	Enclose Effluent Channel	5,100	0	0	500	4,600								
7646	Primary Clarifiers Rehabilitation	320	89	0	115	116								
7656	Main 480V MCC Electrical Distribution Repairs	1,225	0	0	190	1,035								
7516	EBDA Outfall Replacement Payment	1,044	N/A	72	72	100	100	100	100	100	100	100	100	100
7529	Miscellaneous Plant Replacements	3,300	N/A	300	300	300	300	300	300	300	300	300	300	300
7596	SCADA System Misc. Replacements	165	N/A	15	15	15	15	15	15	15	15	15	15	15
NEW	Wonderware Historian Software	25	0	0	25									
TBD	Digester #3 Cleaning	135	0	0	135									
NEW	Headworks Interior (Wetside and Dryside) Painting	150	0	0	150									
7639	West Trickling Filter Replacement	6,800	0	0	0	900	5,900							
7644	Sludge Lagoon #494 Pump Relocation	110	0	0	0	0	110							
NEW	Digester #2 Cleaning	150	0	0	0	0	150							
NEW	Headworks Hydraulic Valve Actuator and Shaft Replacement	150	0	0	0	0	150							
NEW	Plant Exterior Buildings Painting	200	0	0	0	0	200							
NEW	WPCF Master Plan Recommended Replacement Projects	2,500	0	0	0	0	500	500	500	500	500			
NEW	SCADA Computer Node and Server Upgrade	60	0	0	0	0	0	60						
NEW	Solids Contact Tank Grounds Improvement	70	0	0	0	0	0	70						
NEW	Digester #1 Cleaning	150	0	0	0	0	0	0	150					

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NEW	Digester #3 Cleaning and Dome Rehabilitation	400	0	0	0	0	0	0	0	0	400			
NEW	WPCF Access Roads Rehabilitation	500	0	0	0	0	0	0	0	0	0	500		
NEW	SCADA System Evaluation and Upgrade	500	0	0	0	0	0	0	0	0	0	0	500	
NEW	Digester #2 Cleaning and Dome Rehabilitation	500	0	0	0	0	0	0	0	0	0	0	500	
NEW	Gravity Belt Thickener Rebuilding	500	0	0	0	0	0	0	0	0	0	0	500	
NEW	Digester #1 Cleaning and Dome Rehabilitation	500	0	0	0	0	0	0	0	0	0	0	0	500
	TOTAL PROJECT COSTS			943	3,625	7,066	7,425	1,045	1,065	915	1,315	915	1,915	915
	Transfer to Fund 410 for for UST Remediation Study (Project 6977)	35		0	35									
	Retirement of Debt Service - Refunding of 1996 COPs through 2016 (Influent Screen & Pump Facility)	7,945	4,985	370	370	370	370	370	370	370	370			
	Retirement of Debt Service - SRF Loan for WPCF Phase II Improvements through 2034							270	270	270	270	270	270	270
	Transfer to Fund 613 for 50% of New Final Clarifier Cost												3,950	
	TOTAL EXPENDITURES			1,313	4,030	7,436	7,795	1,685	1,705	1,555	1,955	1,185	6,135	1,185
	REVENUES:													
	Interest			81	113	180	107	82	125	145	160	184	125	63
	Proceeds from SRF Loan for WPCF Phase II (\$4.5 million out of \$5.4 million total borrowing)					4,600								
	REVENUE SUBTOTAL:			81	113	4,780	107	82	125	145	160	184	125	63
	TRANSFERS IN FROM:													
	Fund 611 (Sewer Revenue Fund)			2,000	1,000	1,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	TRANSFERS SUBTOTAL:			2,000	1,000	1,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	REVENUE TOTALS:			2,081	1,113	5,780	2,107	2,082	2,125	2,145	2,160	2,184	2,125	2,063
	BEGINNING FUND BALANCE:			12,068	12,836	9,919	8,263	2,575	2,972	3,392	3,982	4,187	5,186	1,176
	ENDING FUND BALANCE:			12,836	9,919	8,263	2,575	2,972	3,392	3,982	4,187	5,186	1,176	2,054

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Seismic Retrofit Miscellaneous Plant Buildings

Project No.: 7648

Fund 616 - Water Pollution Control Facility 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	5	20	350										375
Reimbursements													
Net Cost to Fund	5	20	350										375

DESCRIPTION:

Project to perform structural and piping modifications to fortify miscellaneous plant buildings against earthquakes.

JUSTIFICATION:

Recommended in Dames and Moore Seismic Report.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

This project reduces replacement and reconstruction costs in the event of a major earthquake.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Levee Road and Effluent Channel Repair

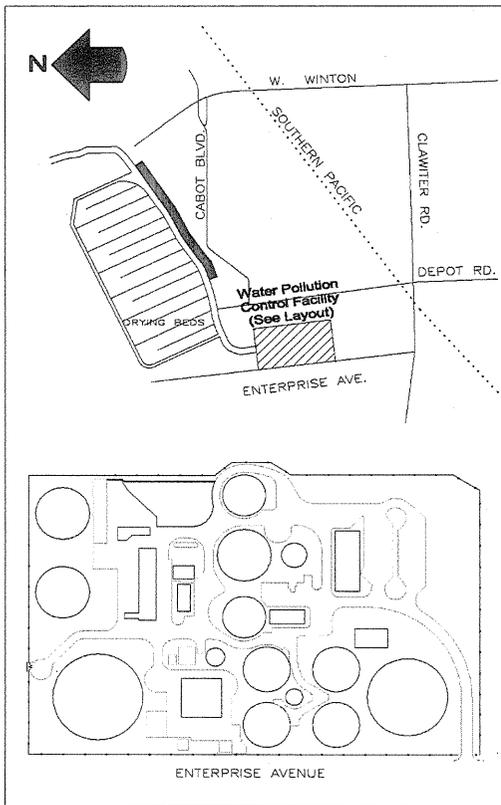
Project No.: 7654

Fund 616 - Water Pollution Control Facility 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	200	200										400
Reimbursements													
Net Cost to Fund	0	200	200										400



DESCRIPTION:

Project to repair deteriorated levee road and effluent channel to maintain system until a pipeline can be installed.

JUSTIFICATION:

Effluent and flood control channel banks have encroached to the edge of the pavement, and the road base is unstable due to rodent tunneling. The channel's conveyance capacity has decreased due to the deterioration of the banks.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Added \$200,000 due to revised scope of project.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CITY OF
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HEART OF THE BAY

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Headworks Ventilation System Evaluation

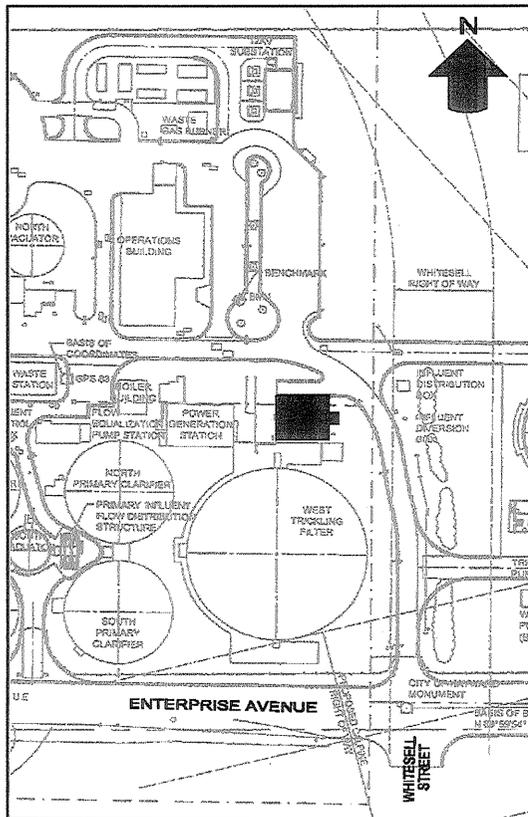
Project No.: 7649

Fund 616 - Water Pollution Control Facility 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	25										25
Reimbursements													
Net Cost to Fund	0	0	25										25



DESCRIPTION:

The headworks ventilation system needs to be evaluated for effective and safer air-handling capability.

JUSTIFICATION:

The evaluation is necessary to identify the operational effectiveness, as well as the techniques, to improve the safety for operators in the facility.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CITY OF
HAYWARD
HEART OF THE BAY

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Co-Generation System - Alternative and Implementation

Project No.: 7651

Fund 616 - Water Pollution Control Facility 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	52	0	1,548										1,600
Reimbursements													
Net Cost to Fund	52	0	1,548										1,600

DESCRIPTION:

A consultant will evaluate the existing co-generation equipment and recommend improvements. After consideration of the results, a decision will be made on implementation.

JUSTIFICATION:

The current co-generation equipment has been in service for over 22 years and has become obsolete, unreliable, and difficult to operate.

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: Enclose Effluent Channel

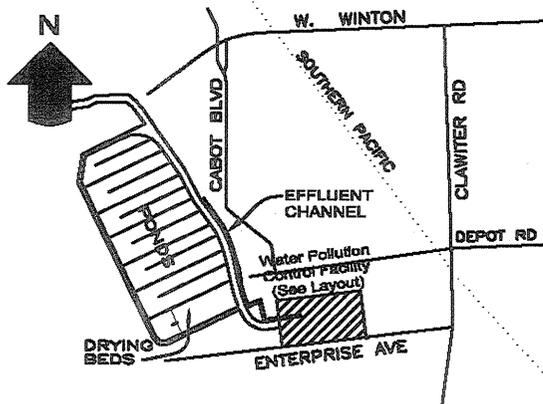
Project No.: 7640

Fund 616 - Water Pollution Control Facility 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	500	4,600									5,100
Reimbursements													
Net Cost to Fund	0	0	500	4,600									5,100



DESCRIPTION:

Project to increase the capacity of the existing 48" effluent pipeline within the plant and to enclose the open channel from the plant to the disinfection (hypochlorite) station at Depot Road.

JUSTIFICATION:

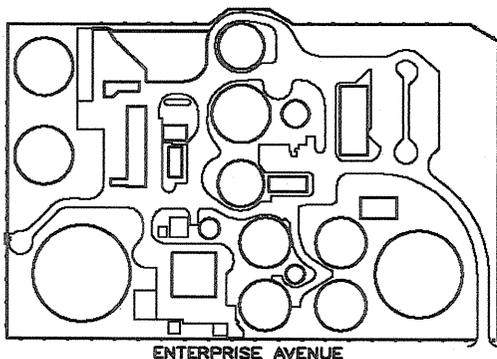
The open channel environment causes an increase in turbidity during storm events. This increase, at times, causes discharge requirements to be exceeded. In addition, project is recommended in the WPCF Master Plan.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



ENTERPRISE AVENUE



CITY OF
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HEART OF THE BAY

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Main 480V MCC Electrical Distribution Repairs

Project No.: 7656

Fund 616 - Water Pollution Control Facility 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	190	1,035									1,225
Reimbursements													
Net Cost to Fund	0	0	190	1,035									1,225

DESCRIPTION:

This project will repair the system's motor control panels.

JUSTIFICATION:

The existing control panels have suffered extensive damage due to corrosion and are subject to frequent malfunctions.

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: EBDA Outfall Replacement Payment

Project No.: 7516

Fund 616 - Water Pollution Control Facility 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	72	72	100	100	100	100	100	100	100	100	100	1,044
Reimbursements													
Net Cost to Fund	N/A	72	72	100	100	100	100	100	100	100	100	100	1,044

DESCRIPTION:

Annual assessment by East Bay Dischargers Authority for Hayward's share of outfall replacement fund.

JUSTIFICATION:

This project is to support EBDA's replacement funds for the joint facilities acquired under the Joint Powers Authority.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Increased payment amount by \$28,000 in FY11-FY13 and added \$100,000 each year from FY14 through FY19 to continue to pay Hayward's share of the outfall replacement fund.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Miscellaneous Plant Replacements

Project No.: 7529

Fund 616 - Water Pollution Control Facility 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	300	300	300	300	300	300	300	300	300	300	300	3,300
Reimbursements													
Net Cost to Fund	N/A	300	300	300	300	300	300	300	300	300	300	300	3,300

DESCRIPTION:

Annual project to replace facilities at the Water Pollution Control Facility that are no longer serviceable.

JUSTIFICATION:

This project will ensure proper maintenance of plant facilities.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Added \$300,000 each year from FY14 through FY19 to continue this program.

OPERATING BUDGET IMPACTS:

This project reduces maintenance and operations costs.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: SCADA System Miscellaneous Replacements

Project No.: 7596

Fund 616 - Water Pollution Control Facility 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 upgrade telemetry system.

JUSTIFICATION:

Telemetry system requires annual improvements to maintain reliability.

MAP NOT APPROPRIATE

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Added \$15,000 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: Equipment Acquisition Project Title: Wonderware Historian Software
 Project No.: New
 Fund 616 - Water Pollution Control Facility 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	25										25
Reimbursements													
Net Cost to Fund	0	0	25										25

DESCRIPTION:

Historian, which is one of the programs offered by the software supplier Wonderware, allows the user to generate reports and analyze wastewater data for the WPCF as well as allow for specified data to be extracted and put into reports either directly or into Excel worksheets.

JUSTIFICATION:

Currently, WPCF staff utilize the services of a third party to program macros in Excel through the use of Visual Basic to extract data into Excel worksheets for reports. Historian will allow staff to generate customized reports and analyze processes that are monitored by SCADA.

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: Digester #3 Cleaning

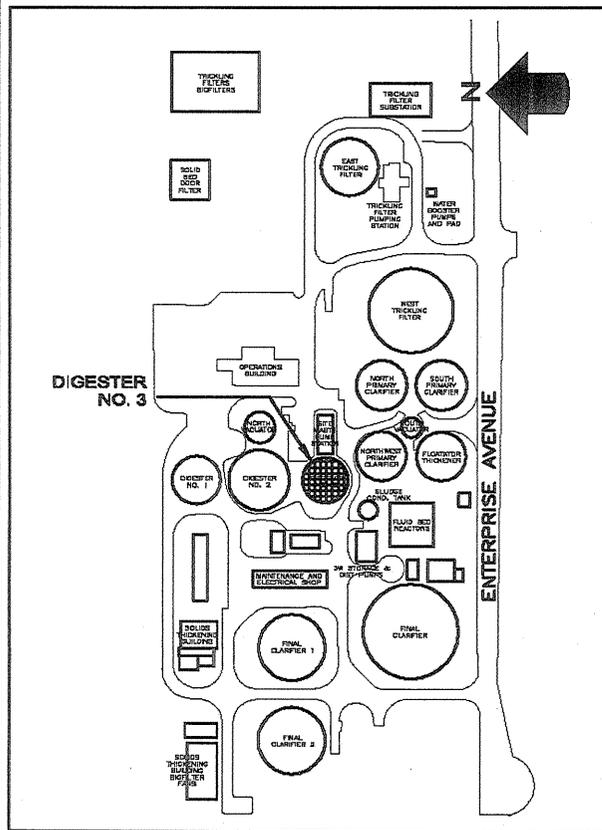
Project No.: To Be Determined

Fund 616 - Water Pollution Control Facility 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	135										135
Reimbursements													
Net Cost to Fund	0	0	135										135



DESCRIPTION:

The digester will be cleared in order to remove rags, plastic, and snail shells; an inspection will also be performed to evaluate the internal and external coatings.

JUSTIFICATION:

Proper maintenance of this digester will allow it to run at an acceptable operational level.

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: Headworks Interior (Wetside and Dryside) Painting

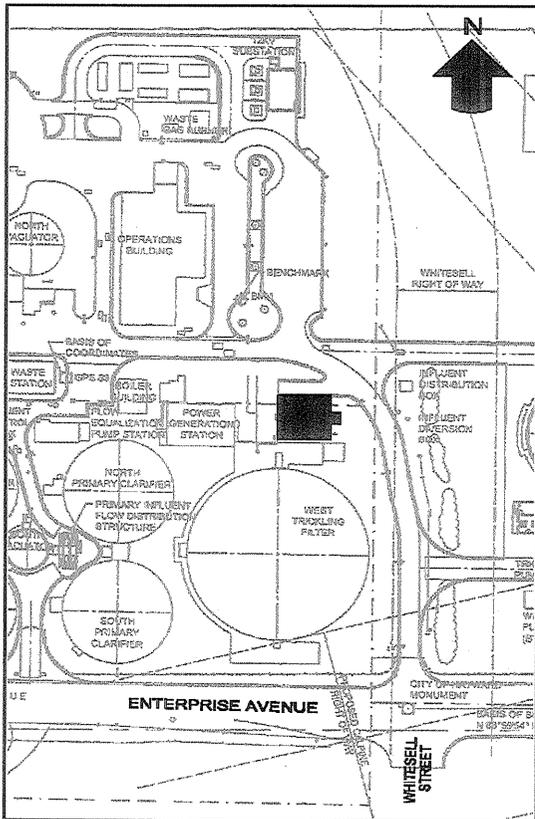
Project No.: New

Fund 616 - Water Pollution Control Facility 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	0	150										150
Reimbursements													
Net Cost to Fund	N/A	0	150										150



DESCRIPTION:

The interior walls of the headworks need to be coated in order to prevent the deleterious effects of hydrogen sulfide and persistent moisture on the concrete wall surface.

JUSTIFICATION:

The wetside of the headworks is an extremely corrosive environment and the interior wall surfaces experience deposits and deterioration due to moisture and sulfide compounds.

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 Replacement

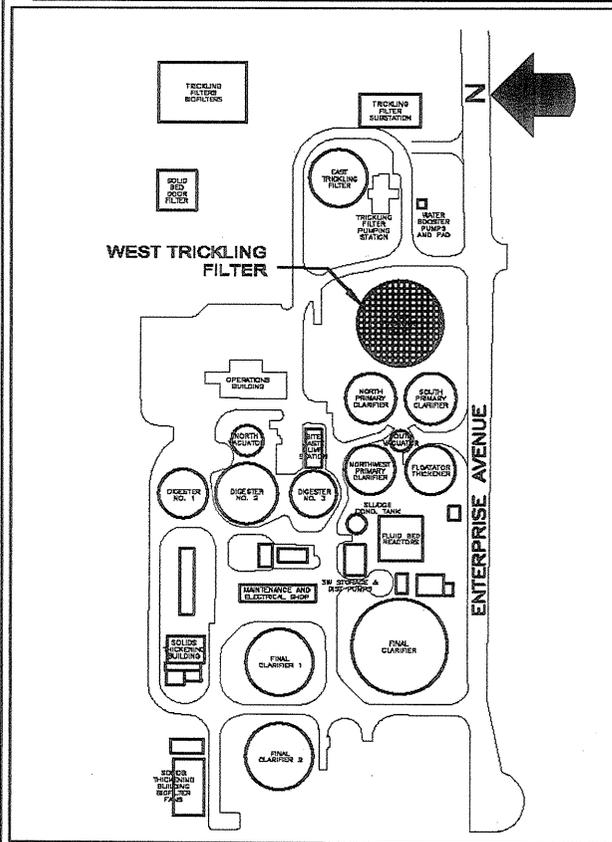
Project No.: 7639

Fund 616 - Water Pollution Control Facility 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	900	5,900								6,800
Reimbursements													
Net Cost to Fund	0	0	0	900	5,900								6,800



DESCRIPTION:

This project would replace the West Trickling Filter with a new unit and allow the plant to attain reliable secondary treatment redundancy.

JUSTIFICATION:

The West Trickling Filter structurally does not meet modern building codes, including seismic considerations. Furthermore, the media contained within the structure is inefficient by today's standards. This project is recommended in the WPCF Master Plan.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

Funding increased by \$2,620,000 to reflect current construction costs.

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CITY OF
HAYWARD
HEART OF THE BAY

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Sludge Lagoon #494 Pump Relocation

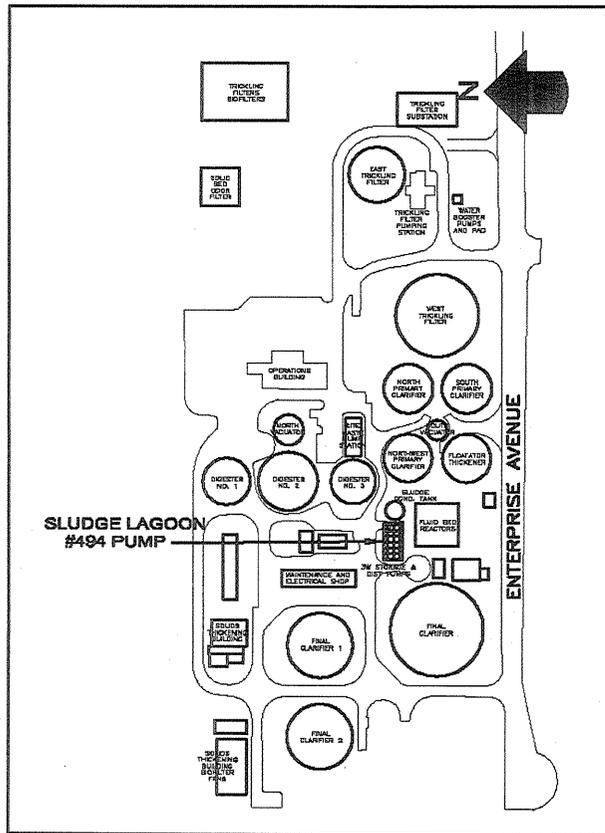
Project No.: 7644

Fund 616 - Water Pollution Control Facility 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	110								110
Reimbursements													
Net Cost to Fund	0	0	0	0	110								110



DESCRIPTION:

The digester supernate pumps will be relocated within the main plant.

JUSTIFICATION:

This relocation is needed, as future development plans present operational difficulties with the current pump configuration.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Digester #2 Cleaning

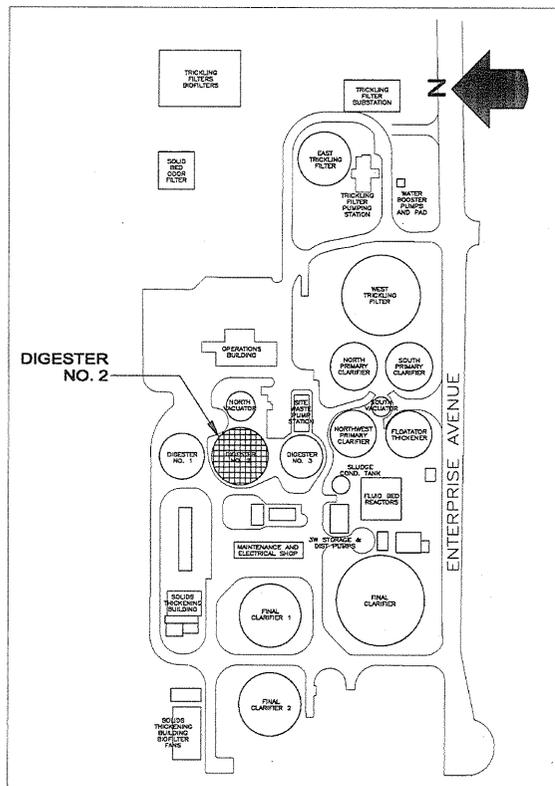
Project No.: New

Fund 616 - Water Pollution Control Facility 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	150								150
Reimbursements													
Net Cost to Fund	0	0	0	0	150								150



DESCRIPTION:

The digester will be cleared in order to remove rags, plastic, and snail shells; an inspection will also be performed to evaluate the internal and external coatings.

JUSTIFICATION:

Proper maintenance of this digester will allow it to run at an acceptable operational level.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Headworks Hydraulic Valve Actuator and Shaft Replacement

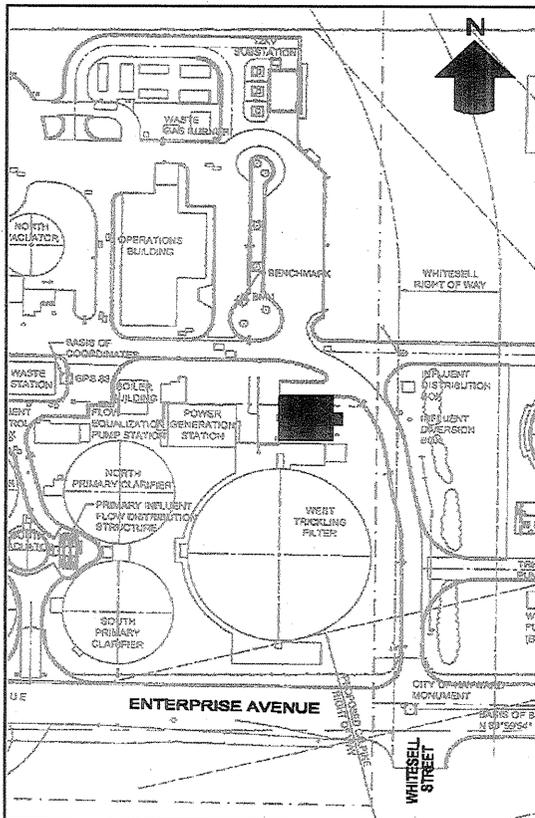
Project No.: New

Fund 616 - Water Pollution Control Facility 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	150								150
Reimbursements													
Net Cost to Fund	0	0	0	0	150								150



DESCRIPTION:

The existing valve actuators and gate shafts need to be replaced by the manufacturer using recommended parts.

JUSTIFICATION:

The two headworks wetwell gate actuators and shafts have corroded in the headworks wetside area.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



CITY OF
HAYWARD
HEART OF THE BAY

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Plant Exterior Buildings Painting

Project No.: New

Fund 616 - Water Pollution Control Facility 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	200								200
Reimbursements													
Net Cost to Fund	0	0	0	0	200								200

DESCRIPTION:

The plant buildings and exterior equipment need to be painted with applicable coatings to prevent corrosion from occurring.

JUSTIFICATION:

Due to the presence of hydrogen sulfides in wastewater, salt air, and the dirty/dusty environment, corrosion of the buildings and equipment at the treatment plant is a major concern.

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 Recommended Replacement Projects

Project No.: New

Fund 616 - Water Pollution Control Facility 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	500	500	500	500	500				2,500
Reimbursements													
Net Cost to Fund	0	0	0	0	500	500	500	500	500				2,500

DESCRIPTION:

The Master Plan 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: Equipment Acquisition Project Title: SCADA Computer Node and Server Upgrade
 Project No.: New
 Fund 616 - Water Pollution Control Facility 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	60							60
Reimbursements													
Net Cost to Fund	0	0	0	0	0	60							60

DESCRIPTION:

The SCADA system, which is the primary operations staff tool for monitoring and controlling the treatment plant processes, was installed as part of the 2008 Plant Improvement Project and will need to be upgraded within 5 years.

JUSTIFICATION:

By fiscal year 2013, the computer, server and other ancillary equipment will need to be upgraded to take advantage of the newest technology available.

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: Solids Contact Tank Grounds Improvement

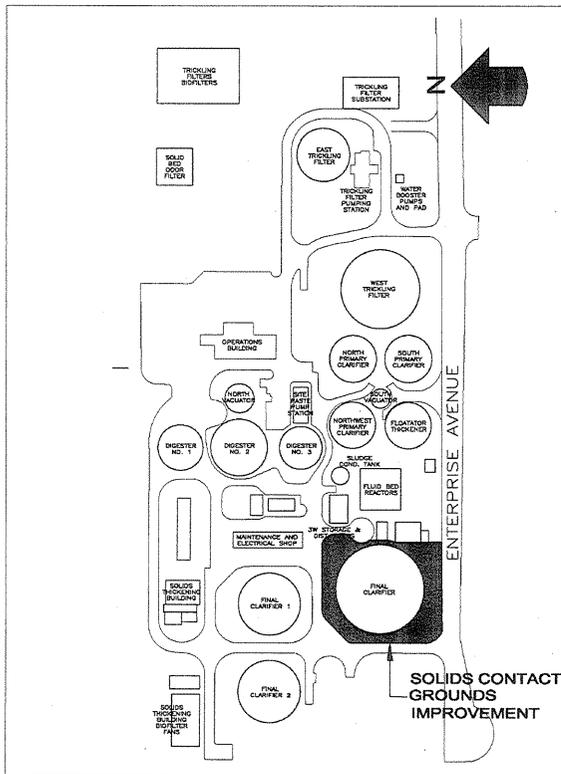
Project No.: New

Fund 616 - Water Pollution Control Facility 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	70							70
Reimbursements													
Net Cost to Fund	0	0	0	0	0	70							70



DESCRIPTION:

This project would contour the area around the Solids Contact Tank, install a weed barrier (geotech fabric), and place landscape rock to make the appearance consistent with other plant process areas.

JUSTIFICATION:

The area around the Solids Contact Tank is currently unpaved and not landscaped.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Digester #3 Cleaning and Dome Rehabilitation

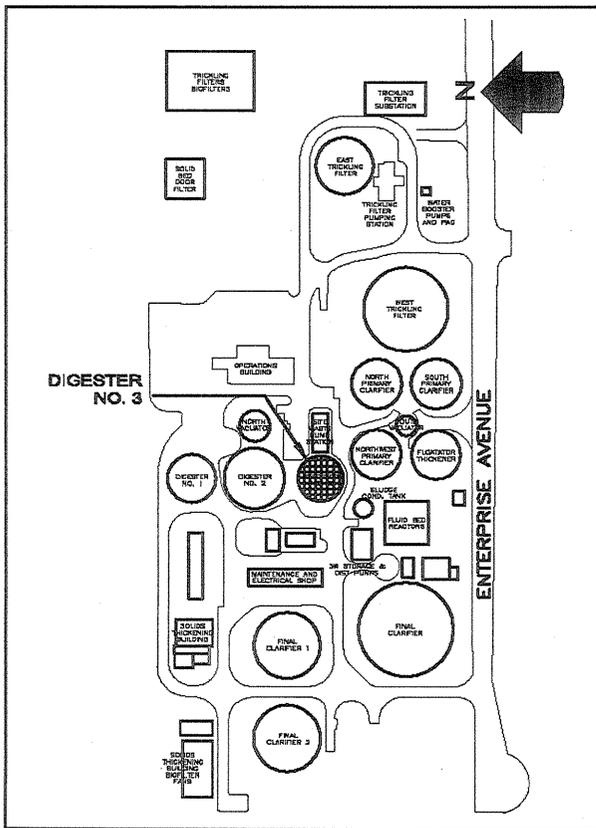
Project No.: New

Fund 616 - Water Pollution Control Facility 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	400				400
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	0	400				400



DESCRIPTION:

The digester will need to be removed from service and then cleaned and inspected in preparation for the protective coating application.

JUSTIFICATION:

During the course of normal operations, a corrosive atmosphere exists within the digester that deteriorates the concrete and metal superstructure.

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 Access Roads Rehabilitation

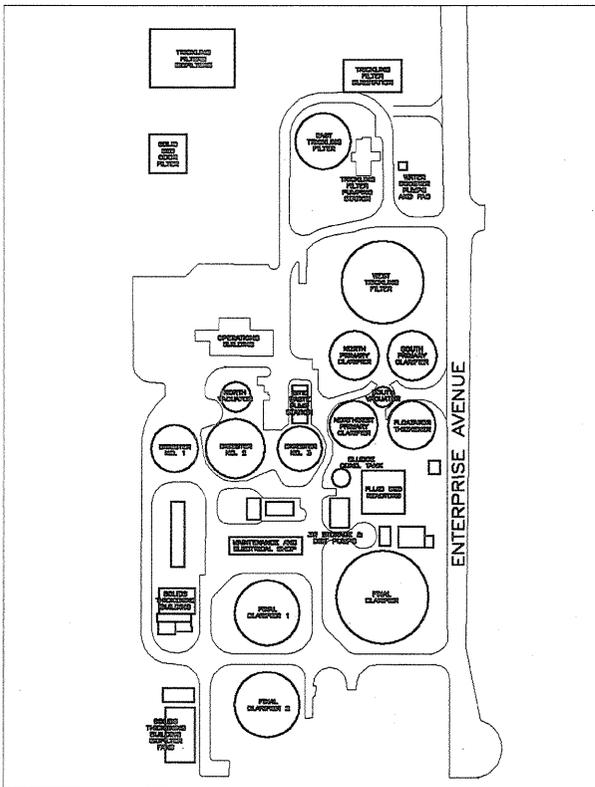
Project No.: New

Fund 616 - Water Pollution Control Facility 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	500			500
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	0	0	500			500



DESCRIPTION:

The plant access roads sustain heavy equipment and frequent road traffic and will experience further deterioration due to planned plant projects. This project will rehabilitate approximately 7,475 linear feet of roadway in several locations that access the treatment plant.

JUSTIFICATION:

A road rehabilitation project is required to restore roadway integrity.

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 616 - Water Pollution Control Facility 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	500		500
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	0	0	0	500		500

DESCRIPTION:

This project will fund an evaluation of the sewer portion 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.



CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Digester #2 Cleaning and Dome Rehabilitation

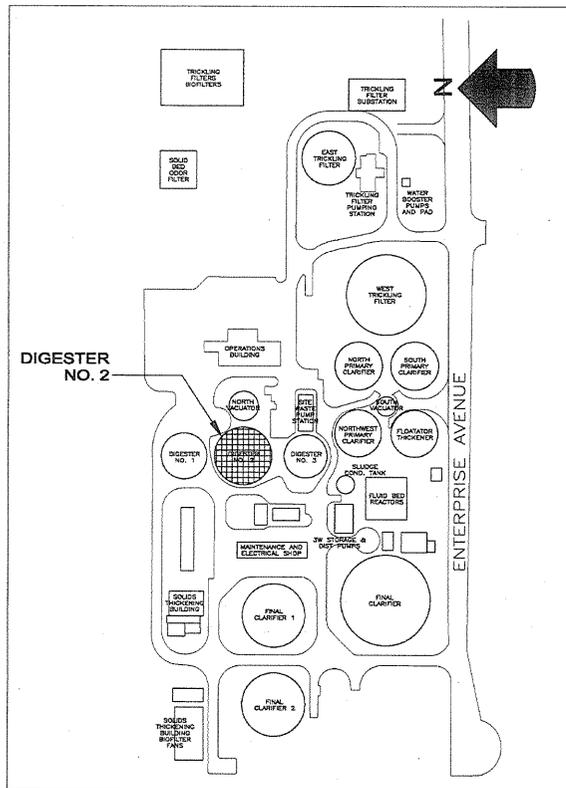
Project No.: New

Fund 616 - Water Pollution Control Facility 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	500		500
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	0	0	0	500		500



DESCRIPTION:

The digester will need to be removed from service and then cleaned and inspected in preparation for the protective coating application.

JUSTIFICATION:

During the course of normal operations, a corrosive atmosphere exists within the digester that deteriorates the concrete and metal superstructure.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.

CAPITAL IMPROVEMENT PROGRAM FY10 - FY19

CATEGORY: Sewer System

Project Title: Gravity Belt Thickener Rebuilding

Project No.: New

Fund 616 - Water Pollution Control Facility 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	500		500
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	0	0	0	500		500

DESCRIPTION:

The two gravity belt thickeners, which are electric and hydraulically operating mechanical equipment, will be rebuilt to factory tolerances.

JUSTIFICATION:

Both thickeners have been in operation for over 10 years and need to be completely rebuilt.

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: Digester #1 Cleaning and Dome Rehabilitation

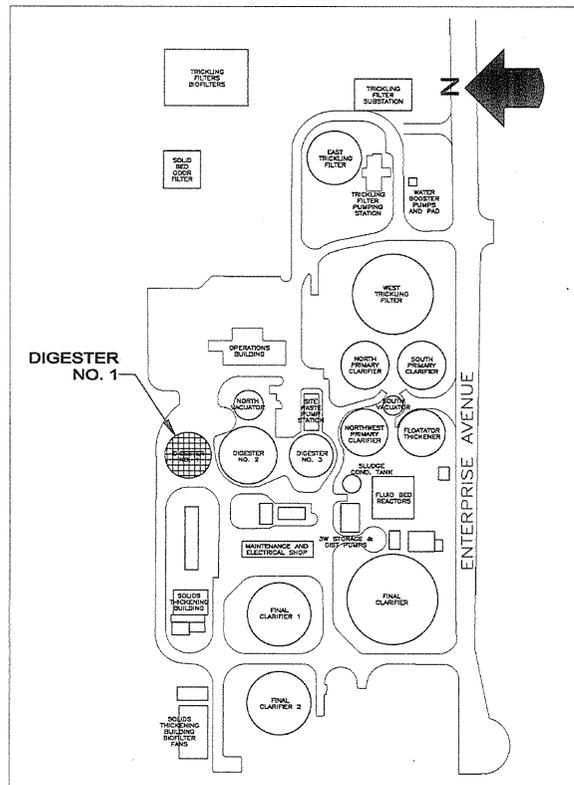
Project No.: New

Fund 616 - Water Pollution Control Facility 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	0	500	500
Reimbursements													
Net Cost to Fund	0	0	0	0	0	0	0	0	0	0	0	500	500



DESCRIPTION:

The digester will need to be removed from service and then cleaned and inspected in preparation for the protective coating application.

JUSTIFICATION:

During the course of normal operations, a corrosive atmosphere exists within the digester that deteriorates the concrete and metal superstructure.

REIMBURSEMENTS:

PROJECT MODIFICATIONS:

OPERATING BUDGET IMPACTS:

No measurable impact on the General Fund.



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