

WASTEWATER UTILITY PROJECTS FY 2009-2010

WASTEWATER UTILITY CAPITAL IMPROVEMENT PROGRAM BUDGET FY 09-10

PROJECT SUMMARY

Fund 6600.66999

PROJECTS (dollars in \$000)	Life to Date Actuals thru 6/30/09	Proposed FY 09-10	PROJECTED				Total Estimate
			FY 10-11	FY 11-12	FY 12-13	FY 13-14	
C00500205 C Street Pump Station Upgrade Demolition of Hopper Wastewater Treatment Facility	\$ 343	\$ 3,378	\$ -	\$ -	\$ -	\$ -	\$ 3,721
C00500305	2	410	770	10,683	-	-	11,865
C00500402 Water Recycling Facility - Ellis Creek SCADA Ellis Creek Water Recycling Facility	150,838	7,820	-	1,286	-	-	159,944
C00500406	2,527	478	-	-	-	-	3,005
C00501400 Wilmington Pump Station	-	-	60	165	751	-	976
C66401001 Oxidation Pond Levee Reinforcement	-	50	590	-	-	-	640
C66401002 Sewer Main Replacement 2010 Various Victoria Pump Station Generator Replacement	-	815	265	645	755	865	3,345
C66501002	-	160	-	-	-	-	160
C66501003 Manhole Rehabilitation	-	280	280	418	418	528	1,924
C66501004 Lift Station Upgrade	-	450	175	395	135	135	1,290
TOTAL	\$ 153,710	\$ 13,841	\$ 2,140	\$ 13,592	\$ 2,059	\$ 1,528	\$ 186,870

SOURCES (DOLLARS IN \$000)

Waste Water Operating	\$ 15,053	\$ 2,539	\$ 2,140	\$ 3,442	\$ 2,059	\$ 1,528	\$ 26,761
Waste Water Capital	-	200	-	4	-	-	204
Grant/Debt Proceeds	-	2,961	20,000	10,148	-	-	33,109
State Revolving Loan	112,338	7,247	-	-	-	-	119,585
Interim Financing	22,527	478	(20,000)	-	-	-	3,005
State Grant - Coastal Conservancy	1,898	302	-	-	-	-	2,200
State Grant - Open Space District	1,892	114	-	-	-	-	2,006
TOTAL	\$ 153,708	\$ 13,841	\$ 2,140	\$ 13,594	\$ 2,059	\$ 1,528	\$ 186,870

Project Title: C Street Pump Station Upgrade

C00500205

PROJECT PURPOSE AND DESCRIPTION

The C Street sanitary sewer pumping station is located on the west bank of the Petaluma River, near the intersection of First and C Streets, and pumps wastewater from the southwest basin underneath the river to a gravity sewer line that flows to the City's Pond Influent Pump Station (PIPS). This critical pump station is no longer operating at an acceptable level of service and does not meet the City's needs. Structural, mechanical, and electrical improvements are necessary to meet flow capacity, reliability, safety, and maintenance requirements.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2010. Project cost estimate through completion \$3,721,000.
 Permits: N/A
 Reference: N/A

FINANCIAL OVERVIEW

C00500205	Project Summary		
	Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
USES (dollars in \$000)			
Planning/Environmental	100	185	285
Land & Easements			-
Design	421		421
Legal Services			-
Administration	10		10
Construction Contracts	2,014	236	2,250
Construction Management	265	135	400
Salaries/Benefits			
Contingency	201	139	340
CIP Overheads	15		15
TOTAL	3,026	695	3,721

SOURCES (dollars in \$000)			
Waste Water Operating	375	185	560
Waste Water Capital	200		200
Grant/Debt Proceeds	2,451	510	2,961
TOTAL	3,026	695	3,721

USES (dollars in \$000)	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
Planning/Environmental	285							285
Land & Easements								-
Design	41		380					421
Legal Services								-
Administration	2		8					10
Construction Contracts			2,250					2,250
Construction Management			400					400
Salaries/Benefits								-
Contingency			340					340
CIP Overheads	15							15
TOTAL USES	343	-	3,378	-	-	-	-	3,721

Capitalized Interest**	26							26
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SOURCES (dollars in \$000)								
Waste Water Operating	343		217					560
Waste Water Capital			200					200
Grant/Debt Proceeds			2,961					2,961
TOTAL FUNDS	343	-	3,378	-	-	-	-	3,721

** budgeted at the operating fund

Project Title: Demolition of Hopper Street Wastewater Treatment Facility C00500305

PROJECT PURPOSE AND DESCRIPTION

Once the new Ellis Creek Water Recycling Facility begins operation and replaces the existing wastewater treatment facility at 950 Hopper Street, two different projects will need to be completed before the site can be used for other purposes. The first is a decommissioning project. Decommissioning includes all the steps necessary to take the Hopper Street WWTP out of commission, including draining and cleaning out all the liquid and solid waste products from the equipment, draining and disposal of any hazardous wastes and chemicals, and safe shutdown and disconnection of electrical energy. The second project is a demolition project. A study will need to be conducted to assess potential future uses of the site and the level of demolition required to meet each use. This work is scheduled for FY 09-10. Assessment of environmental requirements for disposal is part of this phase of the work.

PROJECT PARAMETERS

Environmental: Various
 Public Info: N/A
 Schedule * : Expected completion 2012. Project cost estimate through completion \$11,865,000.
 Permits: N/A
 Reference: Hopper Street Water Pollution Control Plant Decommissioning Study

FINANCIAL OVERVIEW

C00500305

	Project Summary		
	Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
USES (dollars in \$000)			
Planning/Environmental Land & Easements	200	180	380
Design	150	1,110	1,260
Legal Services		10	10
Administration		5	5
Construction Contracts	500	8,050	8,550
Construction Management	50	800	850
Salaries/Benefits			
Contingency	50	760	810
CIP Overheads	1	(1)	-
TOTAL	951	10,914	11,865
SOURCES (dollars in \$000)			
Waste Water Operating	397	1254	1,651
Waste Water Capital	4		4
Grant/Debt Proceeds	550	9,660	10,210
TOTAL	951	10,914	11,865

	ACTUALS		PROPOSED	PROJECTED			Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	
USES (dollars in \$000)							
Planning/Environmental Land & Easements		-	200	160	20		380
Design		-	200	550	510		1,260
Legal Services	2	-	8				10
Administration		-	2		3		5
Construction Contracts				50	8,500		8,550
Construction Management					850		850
Salaries/Benefits							-
Contingency				10	800		810
CIP Overheads							-
TOTAL USES	2	-	410	770	10,683	-	11,865
Capitalized Interest**	26						26
SOURCES (dollars in \$000)							
Waste Water Operating			410	770	533		1,713
Waste Water Capital					4		4
Grant/Debt Proceeds					10,148		10,148
TOTAL FUNDS	-	-	410	770	10,685	-	11,865

** budgeted at the operating fund

Project Title: Water Recycling Facility – Ellis Creek

C00500402

PROJECT PURPOSE AND DESCRIPTION

The Ellis Creek Water Recycling Facility (ECWRF) will provide superior waste water treatment capability and reliability, protect public health and the environment, meet the community’s current and future needs, and achieve regulatory requirements. The ECWRF includes tertiary treatment to produce recycled water for irrigation of City parks and fields to offset potable water demands.

PROJECT PARAMETERS

Environmental: Environmental Impact Report
Public Info: N/A
Schedule * : Expected completion 2011. Project cost estimate through completion \$159,944,000.
Permits: Various
Reference: N/A

FINANCIAL OVERVIEW

C00500402

	Project Summary		
	Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
USES (dollars in \$000)			
Planning/Environmental	4,257	45	4,302
Land & Easements	2,580		2,580
Design	14,054	83	14,137
Legal Services	220	(20)	200
Administration	189	(60)	129
Construction Contracts	110,329	5,750	116,079
Construction Management	12,559	455	13,014
Line of Credit Interest	3,741	148	3,889
Salaries/Benefits			-
Contingency	9,148	(6,401)	2,747
CIP Overheads	2,867		2,867
TOTAL	159,944	-	159,944

SOURCES (dollars in \$000)			
Waste Water Operating	15,392	761	16,153
Debt Proceeds	16,194	3,806	20,000
State Revolving Loan	124,152	(4,567)	119,585
Interim Financing	-		-
State Grant - Coastal Conservancy	2,200		2,200
State Grant - Open Space District	2,006		2,006
TOTAL	159,944	-	159,944

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
USES (dollars in \$000)								
Planning/Environmental	3,855	253	194					4,302
Land & Easements	2,598	-	(18)					2,580
Design	13,525	603	9					14,137
Legal Services	105	9	86					200
Administration	124	1	5					129
Construction Contracts	105,238	8,510	2,331					116,079
Construction Management	8,125	2,424	2,370	95				13,014
Line of Credit Interest	2,602	-	1,139	148				3,889
Salaries/Benefits								-
Contingency		-	1,704	(243)	1,286			2,747
CIP Overheads	2,867	-	-					2,867
TOTAL USES	139,040	11,798	7,820	-	1,286	-	-	159,944

Capitalized Interest**	3,632							3,632
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SOURCES (dollars in \$000)								
Waste Water Operating	14,538	172	157		1,286			16,153
Debt Proceeds				20,000				20,000
State Revolving Loan	100,000	12,338	7,247					119,585
Interim Financing	21,712	(1,712)		(20,000)				-
State Grant - Coastal Conservancy	1,698	200	302					2,200
State Grant - Open Space District	1,092	800	114					2,006
TOTAL FUNDS	139,040	11,798	7,820	-	1,286	-	-	159,944

** budgeted at the operating fund

Project Title: Wilmington Pump Station

C00501400

PROJECT PURPOSE AND DESCRIPTION

The Wilmington Pump Station pumps raw wastewater to the City's wastewater treatment facility. This project is designed to improve the aesthetic appeal of the pump station, which is necessary due to its close proximity to a residential area.

This project includes construction of a soil filter bed to control odors, replacement of fencing, and installation of landscaping to enhance the site aesthetics. Design and construction is anticipated to commence in FY 09-10.

PROJECT PARAMETERS

Environmental: Various
 Public Info: N/A
 Schedule * : Expected completion 2014. Project cost estimate through completion \$976,000.
 Permits: N/A
 Reference: N/A

FINANCIAL OVERVIEW

C00501400

Project Summary			
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10	
63	(3)	60	
		-	
60	90	150	
	5	5	
125	(115)	10	
571		571	
	80	80	
		-	
	100	100	
15	(15)	-	
TOTAL		976	

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

TOTAL

SOURCES (dollars in \$000)

Waste Water Operating
 Grants/Debt Proceeds

TOTAL

834	(669)	165
	811	811
TOTAL		976

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
Planning/Environmental		-		60				60
Land & Easements		-						-
Design					150			150
Legal Services					5			5
Administration					10			10
Construction Contracts						571		571
Construction Management						80		80
Salaries/Benefits								-
Contingency						100		100
CIP Overheads								-
TOTAL USES	-	-	-	60	165	751	-	976

SOURCES (dollars in \$000)

Waste Water Operating

TOTAL FUNDS

			60	165	751		976
TOTAL FUNDS	-	-	60	165	751	-	976

Project Title: Oxidation Pond Levee Reinforcement

C66401001

PROJECT PURPOSE AND DESCRIPTION

This project will reduce the cross connection of ponds 7 and 10 and the oxidation ponds and increase levee stability during discharging. Currently pond levels must be maintained in or near balance to prevent flow through the levee structure. The project will construct a sheet pile wall through the levee reducing the flow to negligible levels and restoring the levee's integrity.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2011. Project cost estimate through completion \$640,000.
 Permits: N/A
 Reference: N/A

FINANCIAL OVERVIEW

C66401001

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
		-
		-
	50	50
		-
		-
	500	500
	15	15
		-
	75	75
		-
TOTAL	-	640

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

SOURCES (dollars in \$000)

Waste Water Operating

	640	640
TOTAL	-	640

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
								-
			50					50
								-
				500				500
				15				15
				75				75
								-
TOTAL USES	-	-	50	590	-	-	-	640

SOURCES (dollars in \$000)

Waste Water Operating

		50	590					640
TOTAL FUNDS	-	-	50	590	-	-	-	640

Project Title: Sewer Main Replacement 2010 Various

C66401002

PROJECT PURPOSE AND DESCRIPTION

This project is part of an ongoing program upgrade existing sewer mains. This project replaces or rehabilitates old, deteriorated and undersized sewer mains and manholes to maintain and improve existing infrastructure. Replacement or lining of sewer mains and manholes reduces infiltration and inflow and provides improved maintenance access for cleaning and televising lines. Replacing undersized mains increases system capacity and can eliminate surcharge conditions. Locations will be determined by analyzing the condition of existing mains, maintenance records and coordination with Public Works' pavement reconstruction projects.

PROJECT PARAMETERS

Environmental: Various
 Public Info: N/A
 Schedule * : Expected completion 2010. Project cost estimate \$3,345,000.
 Permits: N/A
 Reference: Sanitary Sewer Management Plan

FINANCIAL OVERVIEW

C66401002

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
		-
		-
		-
		-
	3,270	3,270
		-
	75	75
		-
		-
TOTAL	-	3,345

SOURCES (dollars in \$000)

Waste Water Operating

	3,345	3,345
TOTAL	-	3,345

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
								-
								-
								-
								-
			800	250	630	740	850	3,270
			15	15	15	15	15	75
								-
								-
TOTAL USES	-	-	815	265	645	755	865	3,345

SOURCES (dollars in \$000)

Waste Water Operating

		815	265	645	755	865	3,345	
TOTAL FUNDS	-	-	815	265	645	755	865	3,345

Project Title: Victoria Pump Station Generator

C66501002

PROJECT PURPOSE AND DESCRIPTION

This project will place a permanent emergency generator at this sewage lift station. The need for emergency power at this site is significant given its location in the system. The project will include a slab and new generator and the associated power upgrades.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2010. Project cost estimate through completion \$160,000.
 Permits: N/A
 Reference: N/A

FINANCIAL OVERVIEW

C66501002

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
		-
		-
	10	10
		-
		-
	120	120
	10	10
		-
	20	20
		-
TOTAL	-	160

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

SOURCES (dollars in \$000)

Waste Water Operating

	160	160
TOTAL	-	160

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
								-
			10					10
								-
								-
			120					120
			10					10
								-
			20					20
								-
TOTAL USES	-	-	160	-	-	-	-	160

SOURCES (dollars in \$000)

Waste Water Operating

		160						160
TOTAL FUNDS	-	-	160	-	-	-	-	160

Project Title: Manhole Rehabilitation

C66501003

PROJECT PURPOSE AND DESCRIPTION

This is an on-going concern for the Wastewater collection system. The system currently has 153 manholes in need of replacement. The Project will span 5 years and is meant to collect 10-20 manholes in the worst condition every year. It is anticipated that the project will restart in the 6th year and continue until this effort is complete.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2015. Project cost estimate through completion \$1,924,000.
 Permits: N/A
 Reference: N/A

FINANCIAL OVERVIEW

C66501003

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
		-
		-
	25	25
		-
		-
	1,540	1,540
	143	143
		-
	216	216
		-
TOTAL	-	1,924

SOURCES (dollars in \$000)

Waste Water Operating

	1,924	1,924
TOTAL	-	1,924

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
								-
								-
			5	5	5	5	5	25
								-
								-
			220	220	330	330	440	1,540
			22	22	33	33	33	143
								-
			33	33	50	50	50	216
								-
TOTAL USES	-	-	280	280	418	418	528	1,924

SOURCES (dollars in \$000)

Waste Water Operating

		280	280	418	418	528	1,924	
TOTAL FUNDS	-	-	280	280	418	418	528	1,924

Project Title: Lift Station Upgrade

C66501004

PROJECT PURPOSE AND DESCRIPTION

The project will upgrade all electrical and mechanical standards at the Wastewater lift stations to meet the operational requirements set by Ellis Creek WRF. This project will occur over a number of years in an effort to bring the system into full cohesive operation with the WRF.

PROJECT PARAMETERS

Environmental: N/A
 Public Info: N/A
 Schedule * : Expected completion 2015. Project cost estimate through completion \$1,290,000.
 Permits: N/A
 Reference: N/A

FINANCIAL OVERVIEW

C66501004

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
	300	300
		-
	300	300
		-
	40	40
	500	500
	75	75
		-
	75	75
		-
TOTAL	-	1,290

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

SOURCES (dollars in \$000)

Waste Water Operating

	1,290	1,290
TOTAL	-	1,290

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
			300					300
			150	150				300
				25	5	5	5	40
					300	100	100	500
					45	15	15	75
					45	15	15	75
								-
TOTAL USES	-	-	450	175	395	135	135	1,290

SOURCES (dollars in \$000)

Waste Water Operating

		450	175	395	135	135	1,290
TOTAL FUNDS	-	-	450	175	395	135	1,290

