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## Program: Utilities/Wastewater – Capital Construction

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### Basic Functions:

This activity provides for the planning, engineering and construction of sewer lines, pumping stations and treatment facilities for the Wastewater Program. The Public Works Engineering Technician is shown here, but actual expenditures are spread across Wastewater, Water and Transportation projects.

### Personnel:

	BUDGET	BUDGET	BUDGET	MANAGER	COMMITTEE	COUNCIL	
	FY'10	FY'11	FY'12	RECOMMEND	APPROVED	ADOPTED	PROJECTED
	#	#	#	FY'13	FY'13	FY'13	FY'14
Engineering Technician	1.00	1.00	1.00	1.00	1.00	1.00	1.00

### Activity Highlights:

This portion of the Wastewater system receives financing from System Development Charge revenues and transfers from wastewater operations. The Wastewater system includes the treatment plant, three pump stations and the collection system. Major repairs and improvements are financed through this capital budget.

This budget sets aside funds to provide for the major rehabilitation of the treatment plant, pump stations and replacement of deteriorated sewer piping, within the collection system.

### Budget Highlights:

The Active Capital Project list includes projects coming to a close in FY'12, but which are not finalized at this time.

The project listing shows resources across the columns. Columns show the “Actual resources through FY'11”; the re-assessed resource needs of projects using current data for the “Revised FY'12” column, guiding our “Adopted FY'13” and resources estimated “Through FY'13”. We have “Future Years” and “Total Project” columns for each project.

The individual project pages describe the project, the need, future and ongoing costs, and the total project cost. The tables show when and where the money is budgeted to come from and the expenses incurred and budgeted to incur through completion.

## Program: Utilities/Wastewater – Capital Construction

### ALL ACTIVE CAPITAL PROJECT RESOURCES

		Actual Through FY'11	Revised FY'12	A d o p t e d FY'13	Total Through FY'13	Future Years	Total Project
SE0000	Miscellaneous Projects - SDC Fund 722	152,588	(72,280)	(50,000)	30,308	(11,923,000)	(11,892,692)
SE0000	Miscellaneous Projects - AFD Fund 725	88,222	0	(7,282)	80,940	0	80,940
SE0000	Miscellaneous Projects - General Fund 728	1,691,425	(619,954)	(63,968)	1,007,503	(4,175,137)	(3,167,634)
SE4161	Accelerated Maintenance	301,641	50,000	75,000	426,641	200,000	626,641
SE4745	WRP & JOGRO™ Equipment Improve.	300,000	50,000	50,000	400,000	200,000	600,000
SE4960	JO-GRO™ Miscellaneous Upgrades	329,020	300,000	250,000	879,020	100,000	979,020
SE4963	Update WRP Facility Plan	250,000	0	25,000	275,000	0	275,000
SE4964	WRP Phase 2 Expansion	762,000	100,000	200,000	1,062,000	8,908,000	9,970,000
SE4998	Industrial Pretreatment Program Update	195,000	17,000	0	212,000	0	212,000
SE5060	General Engineering	71,000	25,000	25,000	121,000	100,000	221,000
SE5080	WRP Structural Repairs	58,000	25,000	75,000	158,000	300,000	458,000
SE5081	Collection System Master Plan Update	100,000	75,000	50,000	225,000	0	225,000
SE6012	Western Avenue Sewer Replacement	10,000	0	0	10,000	1,790,000	1,800,000
SE6064	Sewer Main Structural Repairs	0	690,000	275,000	965,000	2,735,000	3,700,000
SE6067	Sewer Siphon Line Inspection	30,000	40,000	0	70,000	0	70,000
SE6111	Mill Street Sewer Reconstruction	0	125,000	0	125,000	4,025,000	4,150,000
SE6112	Sewer Rate Study SE & RS	0	10,000	25,000	35,000	0	35,000
SE6133	Influent Control Structure Repair	0	50,000	130,000	180,000	0	180,000
<b>NEW PROJECTS</b>							
SE6156	Sewer Mains Related to Overlays	<u>0</u>	<u>0</u>	<u>50,000</u>	<u>50,000</u>	<u>1,850,000</u>	<u>1,900,000</u>
	<b>Total Projects</b>	<b><u>4,338,896</u></b>	<b><u>864,766</u></b>	<b><u>1,108,750</u></b>	<b><u>6,312,412</u></b>	<b><u>4,109,863</u></b>	<b><u>10,422,275</u></b>

### ALL CLOSED OR CANCELLED CAPITAL PROJECT RESOURCES

SE6050	L Street Sewer & Water Main Repl.	15,000	200,000	0	215,000	0	215,000
SE6066	Methane Gas Generation Evaluation	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	<b>Total Closed Projects</b>	<b><u>15,000</u></b>	<b><u>200,000</u></b>	<b><u>0</u></b>	<b><u>215,000</u></b>	<b><u>0</u></b>	<b><u>215,000</u></b>
	<b>Grand Total - All Projects</b>	<b><u>4,353,896</u></b>	<b><u>1,064,766</u></b>	<b><u>1,108,750</u></b>	<b><u>6,527,412</u></b>	<b><u>4,109,863</u></b>	<b><u>10,637,275</u></b>

## Program: Utilities/Wastewater – Capital Construction

### ALL ACTIVE CAPITAL PROJECT SUMMARIES FOR FY'13

	Adopted FY'13 Beginning Fund Balance	Adopted FY'13 Revenue	Adopted FY'13 Capital Outlay	Adopted FY'13 Transfers	Adopted FY'13 Appropriated Fund Balance
SE4161 Accelerated Maintenance	0	75,000	75,000	0	0
SE4745 WRP & JOGRO™ Equipment Improve.	25,000	50,000	75,000	0	0
SE4960 JO-GRO™ Miscellaneous Upgrades	260,193	250,000	510,193	0	0
SE4963 Update WRP Facility Plan	225,000	25,000	250,000	0	0
SE4964 WRP Phase 2 Expansion	799,345	200,000	999,345	0	0
SE4998 Industrial Pretreatment Program Update	3,529	0	3,529	0	0
SE5060 General Engineering	0	25,000	25,000	0	0
SE5080 WRP Structural Repairs	0	75,000	75,000	0	0
SE5081 Collection System Master Plan Update	64,337	50,000	114,337	0	0
SE6012 Western Avenue Sewer Replacement	9,879	0	9,879	0	0
SE6064 Sewer Main Structural Repairs	190,000	275,000	465,000	0	0
SE6111 Mill Street Sewer Reconstruction	100,000	0	100,000	0	0
SE6112 Sewer Rate Study SE & RS	5,000	25,000	30,000	0	0
SE6133 Influent Control Structure Repair	0	130,000	130,000	0	0
SE0000 Miscellaneous Projects - SDC Fund 722	80,308	(50,000)	0	0	30,308
SE0000 Miscellaneous Projects - AFD Fund 725	7,282	(7,282)	0	0	0
SE0000 Miscellaneous Projects - General Fund 728	107,557	(63,968)	0	0	43,589
<b>NEW PROJECTS</b>					
SE6156 Sewer Mains Related to Overlays	<u>0</u>	<u>50,000</u>	<u>50,000</u>	<u>0</u>	<u>0</u>
<b>Total Projects</b>	<b><u>1,877,430</u></b>	<b><u>1,108,750</u></b>	<b><u>2,912,283</u></b>	<b><u>0</u></b>	<b><u>73,897</u></b>

## Program: Utilities/Wastewater – Capital Construction

### Financial Summary

	ACTUAL FY'10 \$	ACTUAL FY'11 \$	BUDGET FY'12 \$	MANAGER RECOMMEND FY'13 \$	COMMITTEE APPROVED FY'13 \$	COUNCIL ADOPTED FY'13 \$	PROJECTED FY'14 \$
Beginning Fund Balance	<u>2,035,933</u>	<u>2,352,707</u>	<u>1,748,048</u>	<u>1,877,430</u>	<u>1,877,430</u>	<u>1,877,430</u>	<u>73,897</u>
<b>Resources</b>							
Development Charges	206,863	179,287	152,720	150,000	150,000	150,000	150,000
Sale of Publications	40	0	0	0	0	0	0
Investment Interest	20,894	17,359	1,000	1,000	1,000	1,000	1,000
Advance Finance Interest	966	454	0	0	0	0	0
SDC Loans	10,189	7,701	0	0	0	0	0
Street Utility Fund	0	0	40,000	0	0	0	0
Sewer Fund	987,834	376,206	855,046	951,750	951,750	951,750	831,863
Water Fund	0	0	50,000	0	0	0	0
RSSSD	0	0	5,000	5,000	5,000	5,000	5,000
Miscellaneous Revenues	78	48	0	0	0	0	0
Advance Financing	<u>2,017</u>	<u>5,960</u>	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>
Total Current Resources	<u>1,228,881</u>	<u>587,015</u>	<u>1,104,766</u>	<u>1,108,750</u>	<u>1,108,750</u>	<u>1,108,750</u>	<u>988,863</u>
<b>Total Resources</b>	<b><u>3,264,814</u></b>	<b><u>2,939,722</u></b>	<b><u>2,852,814</u></b>	<b><u>2,986,180</u></b>	<b><u>2,986,180</u></b>	<b><u>2,986,180</u></b>	<b><u>1,062,760</u></b>
<b>Requirements</b>							
Capital Outlay	912,107	709,864	2,749,853	2,912,283	2,912,283	2,912,283	1,020,000
Appropriated Fund Balance	<u>2,352,707</u>	<u>2,229,858</u>	<u>102,961</u>	<u>73,897</u>	<u>73,897</u>	<u>73,897</u>	<u>42,760</u>
<b>Total Requirements</b>	<b><u>3,264,814</u></b>	<b><u>2,939,722</u></b>	<b><u>2,852,814</u></b>	<b><u>2,986,180</u></b>	<b><u>2,986,180</u></b>	<b><u>2,986,180</u></b>	<b><u>1,062,760</u></b>

## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE0000</b>	<b>Fund 722</b>	<b>Wastewater System Development Charges</b>					
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### Project Description

This project accounts for money collected during development in order to fund Wastewater projects.

### Need for Project

Since the establishment of the Wastewater System Development Charge (SDC), this fund has been used as the depository of these revenues, pending budgetary authorization for use of the funds.

**Estimated Total Project Cost:** These monies were allocated to specific projects during the Budget process.

### Resources

	<b>Actual Through FY'11</b>	<b>FY'12 Adopted</b>	<b>FY'12 Revised</b>	<b>FY'13 Adopted</b>	<b>Through FY'13</b>	<b>FY'14 Projected</b>	<b>Future</b>	<b>Total Project</b>
Wastewater SDC's	2,759,876	152,720	152,720	150,000	<b>3,062,596</b>	150,000	450,000	<b>3,662,596</b>
Wastewater SDC's to Projects	-3,217,963	-225,000	-225,000	-200,000	<b>-3,642,963</b>	-150,000	-12,373,000	<b>-16,165,963</b>
RSSSD SDC's	437,129				<b>437,129</b>			<b>437,129</b>
Investment/Loan Interest	173,546				<b>173,546</b>			<b>173,546</b>
					<b>0</b>			<b>0</b>
					<b>0</b>			<b>0</b>
<b>Total Resources</b>					<b>30,308</b>			<b>-11,892,692</b>

### Requirements

Expenditures					<b>0</b>			<b>0</b>
Transfers					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>152,588</b>	<b>32,364</b>	<b>80,308</b>	<b>30,308</b>	<b>30,308</b>	<b>30,308</b>	<b>-11,892,692</b>	<b>-11,892,692</b>
<b>Total Requirements</b>					<b>30,308</b>			<b>-11,892,692</b>

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE0000</b>	<b>Fund 725 Wastewater Advanced Financing</b>
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### Project Description

This project is used by our accounting function to account for all funds reimbursed to the wastewater utility from Advance Financed District (AFD) projects for which the utility was the project developer and revenue source.

### Need for Project

The City Council has implemented a series of rate system structures to prepare for these projects, and this account is the method for accumulating all resources available to the system.

**Estimated Total Project Cost:** This project has no cost. It is an accounting entity for the purpose of accumulating resources.

### Resources

	<b>Actual Through FY'11</b>	<b>FY'12 Adopted</b>	<b>FY'12 Revised</b>	<b>FY'13 Adopted</b>	<b>Through FY'13</b>	<b>FY'14 Projected</b>	<b>Future Through FY'15</b>	<b>Total Project</b>
Wastewater AFD's	340,946	1,000	1,000	1,000	<b>342,946</b>	1,000	3,000	<b>346,946</b>
Wastewater AFD's to Projects	-275,800	-1,000	-1,000	-8,282	<b>-285,082</b>	-1,000	-3,000	<b>-289,082</b>
Investment Interest	23,076				<b>23,076</b>			<b>23,076</b>
<b>Total Resources</b>					<b>80,940</b>			<b>80,940</b>

### Requirements

Expenditures	80,940				<b>80,940</b>			<b>80,940</b>
Transfers/ Contingency					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>7,282</b>	<b>1,760</b>	<b>7,282</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>80,940</b>			<b>80,940</b>

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE0000</b>	<b>Fund 728 Sewer Capital Projects – General</b>						
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### Project Description

This project description is used by our accounting function to account for all funds located in the wastewater capital projects funds that are not specifically appropriated to a project. All funds from System Development Charges and all surplus from wastewater operations are deposited in the capital projects fund. When appropriations are needed in the ensuing fiscal period, or if construction scopes are altered to respond to changed conditions, this project is the source for financing for the projects.

### Need for Project

The City Council has implemented a series of rate system structures to prepare for these projects, and this account is the method for accumulating all resources available to the system.

**Estimated Total Project Cost:** This project has no cost. It is an accounting entity for the purpose of accumulating resources.

### Schedule

The cash financing accumulation for the wastewater expansion will be continued in this account, with interim financing for the next phase of construction augmenting cash flow to allow the single debt basis anticipated in the rate analysis.

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'15	Total Project
Wastewater Operations Fund Transfers	7,627,488	855,046	855,046	951,750	<b>9,434,284</b>	831,863	2,600,000	<b>12,866,147</b>
Wastewater Capital & SDC's to Projects	-11,765,631	-1,505,000	-1,477,000	-1,025,000	<b>14,267,631</b>	-865,000	-6,750,000	<b>-21,882,631</b>
Advance Finance	275,800	1,000	1,000	8,282	<b>285,082</b>	1,000	3,000	<b>289,082</b>
Investment Interest	2,174,534	1,000	1,000	1,000	<b>2,176,534</b>	1,000	3,000	<b>2,180,534</b>
Wastewater & RSSSD SDC's	2,519,068				<b>2,519,068</b>			<b>2,519,068</b>
Other	860,166				<b>860,166</b>			<b>860,166</b>
<b>Total Resources</b>					<b>1,007,503</b>			<b>-3,167,634</b>

### Requirements

Expenditures	469,023				<b>469,023</b>			<b>469,023</b>
Transfers	494,891				<b>494,891</b>			<b>494,891</b>
<b>Ending Balance by Year</b>	<b>727,511</b>	<b>56,837</b>	<b>107,557</b>	<b>43,589</b>	<b>43,589</b>	<b>12,452</b>	<b>-4,131,548</b>	<b>-4,131,548</b>
<b>Total Requirements</b>					<b>1,007,503</b>			<b>-3,167,634</b>

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

**Project SE4161 Accelerated Maintenance**

### Project Description

This project will replace badly deteriorated sewer mains, or appurtenances, typically prior to paving due to street overlay, new development or alley repairs.

### Need for Project

The maintenance is needed to repair severely structurally defective sewer mains, or appurtenances, when encountered. Replacement prior to paving avoids the need to cut new or recently replaced paving due to sewer line failure.



**Future and Ongoing Costs:** Evaluation and repair of unanticipated problems.

**Estimated Total Project Cost:** The target is \$50,000 per year when funds are available.

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'17	Total Project
Wastewater Capital Projects	301,641	50,000	50,000	75,000	426,641	50,000	150,000	626,641
					0			0
					0			0
<b>Total Resources</b>					426,641			626,641

### Requirements

Expenditures	208,195	60,993	113,446	75,000	396,641	50,000	150,000	596,641
Transfers/Contingency	30,000				30,000			30,000
<b>Ending Balance by Year</b>	<b>63,446</b>	<b>0</b>						
<b>Total Requirements</b>					426,641			626,641

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

**Project SE4745 WRP/JO-GRO™ Equipment Improvement**

### Project Description

This is the replacement fund for miscellaneous equipment such as gas blender, aeration basin mixers, various pumps, compressors and motors.

### Need for Project

Each year pieces of equipment fail due to age and/or mechanical failure. The equipment audit identified various pieces of equipment which will need to be replaced over time. This project will allow the funding of replacement equipment when needed. This project will be similar in nature to SE4161 – Accelerated Maintenance.



**Future and Ongoing Costs:** Evaluation and repair of unanticipated problems.

**Estimated Total Project Cost:** \$50,000 per year as funds are available

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'17	Total Project
Wastewater Capital Projects	300,000	50,000	50,000	50,000	400,000	50,000	150,000	600,000
					0			0
					0			0
<b>Total Resources</b>					400,000			600,000

### Requirements

Expenditures	243,011	50,719	81,989	75,000	400,000	50,000	150,000	600,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>56,989</b>	<b>0</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					400,000			600,000

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE4960</b>	<b>JO-GRO™ Miscellaneous Upgrades</b>
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### Project Description

This project will provide a physical storm water barrier between the green waste and compost areas. Site paving needs to be repaired/replaced. Concrete will be evaluated as an alternative to asphalt.

### Need for Project

Storm water sampling with a high e-coli count will penalize the City's WRP NPDES permit. Separation of the green waste area and the compost area will clarify where the e-coli is originating. Current site paving is failing.



**Future and Ongoing Costs:** Separation of green waste area and compost area **DID NOT** clarify origination of e.coli. Formal engineering analysis and recommendation is underway.

New project budget to be prepared after engineering analysis.

**Estimated Total Project Cost: \$479,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects	329,000	300,000	300,000	250,000	879,000	100,000		979,000
Other	20				20			20
					0			0
<b>Total Resources</b>					879,020			979,020

### Requirements

Expenditures	241,827	300,000	127,000	510,193	879,020	100,000		979,020
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>87,193</b>	<b>0</b>	<b>260,193</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					879,020			979,020

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE4963</b>	<b>Update WRP Facility Plan</b>
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### Project Description

This project will update the facility plan.

### Need for Project

ODEQ has suggested updating the facilities plan approximately every 5 years. The update will verify design basis for the planned phase 2 expansion. Most funding options for the planned expansion will require a current facilities plan. Methane gas generation will be evaluated with the new plan.



**Future and Ongoing Costs:** Unknown at this time.

**Estimated Total Project Cost:** \$275,000 revised from \$250,000

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects	250,000			25,000	275,000			275,000
					0			0
					0			0
<b>Total Resources</b>					275,000			275,000

### Requirements

Expenditures		200,000	25,000	250,000	275,000			275,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>250,000</b>	<b>0</b>	<b>225,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					275,000			275,000

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

**Project SE4964 WRP Phase 2 Expansion**

### Project Description

This project will expand aeration basin capacity, install reuse filtration, new secondary clarifier, thickener modifications and miscellaneous piping, electrical and SCADA improvements.



### Need for Project

The project will expand the capacity of the WRP and meet anticipated treatment requirements from ODEQ.

**Future and Ongoing Costs:** Design and construction. Design of the expansion/improvements cannot occur until the Facilities Plan Update (SE 4963) is complete. Facilities Plan Update will take approximately 12 to 18 months to complete, once started. Design of expansion/improvements will take approximately 18 to 24 months after completion of Facilities Plan. Construction of designed expansion/improvements will last approximately 18 to 36 months.

**Estimated Total Project Cost: \$9,970,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects	232,000				232,000			232,000
Wastewater SDC's	530,000	100,000	100,000	200,000	830,000	150,000	8,758,000	9,738,000
Loan					0			0
<b>Total Resources</b>					<b>1,062,000</b>			<b>9,970,000</b>

### Requirements

Expenditures	12,655	800,000	50,000	999,345	1,062,000	150,000	8,758,000	9,970,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>749,345</b>	<b>12,000</b>	<b>799,345</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>1,062,000</b>			<b>9,970,000</b>

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE4998</b>	<b>Update Industrial Pretreatment Program</b>
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### Project Description

Update the pretreatment program.

### Need for Project

A recent inspection by ODEQ, Pretreatment Program Coordinator revealed the City's pretreatment program needs to be updated to achieve compliance with the regulations. The City must submit a plan to correct the found deficiencies by December 29, 2006. The deficiencies must be addressed and corrected prior to the next audit scheduled for the Fall of 2007.

Due to ODEQ staff turnover and rule changes, program update has been delayed. Currently awaiting proposed rule change to complete update. Program update to be submitted to ODEQ FY12. After ODEQ review and approval, a practice audit will be completed.

**Future and Ongoing Costs:** Approval of program update and audit.

**Estimated Total Project Cost: \$210,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects	195,000	5,000	17,000		212,000			212,000
					0			0
					0			0
<b>Total Resources</b>					212,000			212,000

### Requirements

Expenditures	188,471	7,879	20,000	3,529	212,000			212,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>6,529</b>	<b>0</b>	<b>3,529</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					212,000			212,000

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE5060</b>	<b>General Engineering</b>
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### Project Description

On November 2, 2010 the City of Grants Pass and Carollo Engineers, Inc. entered into a new, 3 year Wastewater Master Services Agreement for Professional Engineering and Permitting Services (MSA). With this MSA, a number of individual task orders will be assigned, negotiated and executed to undertake a variety of assignments on the City's wastewater facilities.

### Need for Project

Given the nature of these individual assignments, it is desired for Carollo to provide general engineering support and guidance for the overall wastewater program to develop the specific individual tasks.

New NPDES permit evaluation/support costs are much greater than anticipated.

**Future and Ongoing Costs:** General support for Wastewater Fund (known and unknown).

Original Estimated Project Cost: \$15,000/year

**Revised Estimated Total Project Cost: \$ 25,000/year**  
**\$ 20,000 Wastewater Capital**  
**\$ 5,000 RSSSD Capital**

### Resources

	<b>Actual Through FY'11</b>	<b>FY'12 Adopted</b>	<b>FY'12 Revised</b>	<b>FY'13 Adopted</b>	<b>Through FY'13</b>	<b>FY'14 Projected</b>	<b>Future Through FY'17</b>	<b>Total Project</b>
Wastewater Capital Projects	71,000	20,000	20,000	20,000	<b>111,000</b>	20,000	60,000	<b>191,000</b>
RSSSD Capital Project RS0000		5,000	5,000	5,000	<b>10,000</b>	5,000	15,000	<b>30,000</b>
					<b>0</b>			<b>0</b>
<b>Total Resources</b>					<b>121,000</b>			<b>221,000</b>

### Requirements

Expenditures	64,116	25,000	31,884	25,000	<b>121,000</b>	25,000	75,000	<b>221,000</b>
Transfers/ Contingency					<b>0</b>			<b>0</b>
<b>Ending Balance by Year</b>	<b>6,884</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>121,000</b>			<b>221,000</b>

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE5080</b>	<b>WRP Structural Repairs</b>
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### Project Description

This project will fund many minor repairs necessary for the proper operation and long term maintenance of the Water Restoration Plant. Included items are: roof repairs, exterior painting/restoration, stairways and landings. This project will also repair/install needed fall protection.

### Need for Project

The project is needed for efficiency and for safety. It will create a fund for a large number of small capital projects to ensure the longevity of the Water Restoration Plant and its supporting structures. Two out buildings with flat roofs have wood rot and need to be re-roofed. We will convert the flat roofs to a slope roof with metal covers similar to other out buildings we have on site.

**Future and Ongoing Costs:** Evaluation and repair of both known and unknown deficiencies.

**Estimated Total Project Cost:** \$ 75,000/year as available

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'17	Total Project
Wastewater Capital Projects	58,000	75,000	25,000	75,000	158,000	75,000	225,000	458,000
					0			0
					0			0
<b>Total Resources</b>					158,000			458,000

### Requirements

Expenditures	55,207	75,649	27,793	75,000	158,000	75,000	225,000	458,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>2,793</b>	<b>0</b>						
<b>Total Requirements</b>					158,000			458,000

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE5081</b>	<b>Collection System Master Plan Update</b>
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### Project Description

This project will update the Collection System Master Plan completed in 2004.

### Need for Project

The Master Plan Update will identify infrastructure requirements and sizing to serve the enlarged Urban Growth Boundary.

**Future and Ongoing Costs:** After preliminary discussions to update and calibrate flow model, it has been determined original project cost estimate was low.

New flow model will be developed and flow monitoring will be complete FY'12. Completion of the Master Plan will not occur until after the UGB enlargement process is complete.

Original Estimated Total Project Cost: \$ 100,000

**Revised Estimated Project Cost: \$225,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects	100,000	75,000	75,000	50,000	225,000			225,000
					0			0
					0			0
<b>Total Resources</b>					225,000			225,000

### Requirements

Expenditures	10,663	75,000	100,000	114,337	225,000			225,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>89,337</b>	<b>0</b>	<b>64,337</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					225,000			225,000

Adopted FY' 12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE 6012</b>	<b>Western Avenue Sewer Replacement</b>
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### Project Description

This project will replace and upsize old deteriorated concrete sewer pipe in Western Avenue from 'G' Street to the Water Restoration plant. Approximately 4,700 lineal feet of 18" diameter sewer pipe will be installed.

### Need for Project

The existing concrete pipe is severely deteriorated and is structurally failing. This pipeline serves the area west of Western Avenue from Upper River Road to the Rogue River. Increasing flows in the future are expected in the area due to growth. This pipeline also receives flow from the Bridge Street Pump Station. Currently the pipeline experiences surcharging during peak rainfall events. This project was ranked as the second priority for hydraulic capacity improvements in the 2004 Collection System Master Plan.

**Future and Ongoing Costs:** Evaluation of both known and unknown deficiencies.

**Estimated Total Project Cost: \$1,800,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects					0		800,000	800,000
Wastewater SDC's 86%	10,000				10,000		990,000	1,000,000
					0			0
<b>Total Resources</b>					10,000			1,800,000

### Requirements

Expenditures	121	5,000	0	9,879	10,000		1,790,000	1,800,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>9,879</b>	<b>0</b>	<b>9,879</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					10,000			1,800,000

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE6064</b>	<b>Sewer Main Structural Repairs (Multiple Phases)</b>
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### Project Description

This project will replace very old structurally deficient sewer pipe in 5th Street, the alleys fronting 5th Street between 'M' and 'A' Streets and the alleys fronting Pine Street between Bridge and 'G' Streets. The alleys identified for repair will be ranked as to severity and the project completed in multiple phases.

### Need for Project

The majority of the sewer lines in the alleys are very old 6" pipe, have structural defects (cracks, holes and broken pipe) and extensive root encroachment which requires frequent and difficult cleaning and maintenance. This project combines the top two ranked priorities for structural repair in the 2004 Collection System Master Plan.

**Future and Ongoing Costs:** Phase 1 design and construction expected to begin FY12.

**Estimated Total Project Cost: \$3,700,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects		690,000	690,000	275,000	<b>965,000</b>	250,000	2,485,000	<b>3,700,000</b>
					0			0
					0			0
<b>Total Resources</b>					<b>965,000</b>			<b>3,700,000</b>

### Requirements

Expenditures		690,000	500,000	465,000	<b>965,000</b>	250,000	2,485,000	<b>3,700,000</b>
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>0</b>	<b>0</b>	<b>190,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>965,000</b>			<b>3,700,000</b>

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE6067</b>	<b>Sewer Siphon Line Inspection</b>
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### Project Description

This project will utilize sonar and laser technology to inspect the existing 30 inch sewer siphon which crosses the Rogue River at the wastewater treatment plant. The inspection shall require the services of a specialized sewer inspection contractor.

### Need for Project

The sewer siphon line was installed in 1962 and has never been TV inspected by city crews due to the limitations of standard TV camera equipment. The inspection will provide information concerning both the pipe's structural condition and the amount of debris accumulation present.

**Future and Ongoing Costs:** Inspection costs and access issues far greater than anticipated.

Estimated Total Project Cost: \$30,000

**Revised Estimated Project Cost: \$70,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects	30,000	40,000	40,000		70,000			70,000
					0			0
					0			0
<b>Total Resources</b>					70,000			70,000

### Requirements

Expenditures	4,176	40,000	65,824		70,000			70,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>25,824</b>	<b>0</b>						
<b>Total Requirements</b>					70,000			70,000

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE 6111</b>	<b>Mill Street Sewer Reconstruction</b>
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### Project Description

This project will replace approximately 9,500 linear feet of sewer main.

### Need for Project

Currently a large segment of the sewer main is near capacity and inaccessible for maintenance. The reconstruction will install new accessible main line, substantially reduce current inflow and infiltration problems and add capacity. The installation will effectively increase the capacity of the dual river siphons to beyond 2060. This project was identified in the Collection System Master Plan as a top priority.

**Future and Ongoing Costs:** Evaluation of both known and unknown deficiencies.

**Estimated Total Project Cost: \$4,150,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects					0		1,400,000	1,400,000
Wastewater SDC's 70%		125,000	125,000		125,000		2,625,000	2,750,000
					0			0
<b>Total Resources</b>					125,000			4,150,000

### Requirements

Expenditures		125,000	25,000	100,000	125,000		4,025,000	4,150,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	0	0	100,000	0	0	0	0	0
<b>Total Requirements</b>					125,000			4,150,000

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

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<b>Project</b>	<b>SE6112</b>	<b>Sewer Rate Study SE &amp; RS</b>
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### Project Description

This project will evaluate and recommend appropriate service area sewer rates. This is the City (SE) portion of the project.

### Need for Project

Prior to combining the served area of the RSSSD into the City’s sewer service area, City and RSSSD rates need to be reviewed, be based on an equal and fair basis, and have the ability to cover respective debt and other service area costs.

**Future and Ongoing Costs:** NA

**Estimated Total Project Cost:** \$35,000

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects		35,000	10,000	25,000	35,000			35,000
					0			0
					0			0
<b>Total Resources</b>					35,000			35,000

### Requirements

Expenditures		35,000	5,000	30,000	35,000			35,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	<b>0</b>	<b>0</b>	<b>5,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					35,000			35,000

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b> <b>SE6133 Influent Control Structure Repair</b>
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### Project Description

This project will repair damaged concrete at the influent control structure. To repair the concrete, a bypass system around the influent control structure must be designed and installed. To minimize future buildup of hydrogen sulfide gas, a permanent ventilation system will be installed.

### Need for Project

Hydrogen sulfide gas has accumulated and severely corroded concrete in the influent control structure.

### Future and Ongoing Costs

Routine maintenance and gas monitoring.

**Estimated Total Project Cost:    \$180,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects			50,000	130,000	180,000			180,000
Wastewater SDC's					0			0
					0			0
<b>Total Resources</b>					180,000			180,000

### Requirements

Expenditures			50,000	130,000	180,000			180,000
Transfers/ Contingency					0			0
<b>Ending Balance by Year</b>	0	0	0	0	0	0	0	0
<b>Total Requirements</b>					180,000			180,000

Adopted FY'12 will NOT add into TOTALS

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## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE6156 Sewer Mains Related to Overlays</b>
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### Project Description

This project will replace old structurally deficient sewer pipe in streets prior to scheduled overlay work.

### Need for Project

The majority of the sewer lines are old, have structural defects (cracks, holes and broken pipe) and extensive root encroachment which requires frequent and difficult cleaning and maintenance. This project will assist completion of underground infrastructure work prior to scheduled street overlays.

**Future and Ongoing Costs:** Design and construction of deficient mains.

**Estimated Total Project Cost: \$1,900,000**

### Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects				50,000	50,000	320,000	1,530,000	1,900,000
Wastewater SDC's					0			0
					0			0
<b>Total Resources</b>					50,000			1,900,000

### Requirements

Expenditures				50,000	50,000	320,000	1,530,000	1,900,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	0	0	0	0	0	0	0	0
<b>Total Requirements</b>					50,000			1,900,000

Adopted FY'12 will NOT add into TOTALS

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## Project Closed – FY 2012

### Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE6050</b>	<b>'L' Street Sewer and Water Mains Replacement</b>
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**Project Description**

This project will replace approximately 800 linear feet of sewer main and 380 linear feet of water main.

**Need for Project**

The existing sewer main is severely deteriorated and failure has begun to occur. Concurrent with the sewer main replacement, the existing 2" water main will be replaced with a new 8" line.

**Future and Ongoing Costs:** Sewer main design complete. After water line design, bid and construct.

Gas Tax removed from project. Street reconstruction to occur through project TR6031.

**PROJECT COMPLETE**

**Estimated Total Project Cost: \$260,000**

**Resources**

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects	15,000	155,000	150,000		165,000			165,000
Gas Tax		40,000	0		0			0
Water Fund		50,000	50,000		50,000			50,000
<b>Total Resources</b>					<b>215,000</b>			<b>215,000</b>

**Requirements**

Expenditures	20,742	249,613	194,258		215,000			215,000
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>-5,742</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>					<b>215,000</b>			<b>215,000</b>

Adopted FY' 12 will NOT add into TOTALS

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## Project Closed – FY 2012

### Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE6066</b>	<b>Methane Gas Generation Evaluation</b>
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**Project Description**

This project will evaluate the potential and feasibility of methane gas reuse at the WRP. If project is feasible, and cost effective, installation of required equipment will be pursued.

**Need for Project**

Methane gas is a byproduct of wastewater treatment. If the methane gas can be reused on-site in cost effective manner, the WRP and community at large will benefit.

**The potential for a grant will be evaluated to fund the project.**

**Future and Ongoing Costs:** Evaluation of feasibility and potential installation of equipment.

**CLOSE - PROJECT TO BE COMPLETE AS PART OF FACILITIES PLAN UPDATE**

**Estimated Total Project Cost: \$10,000**

**Resources**

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Wastewater Capital Projects		10,000	0		0			0
Grant					0			0
					0			0
<b>Total Resources</b>					0			0

**Requirements**

Expenditures		10,000	0		0			0
Transfers/Contingency					0			0
<b>Ending Balance by Year</b>	<b>0</b>							
<b>Total Requirements</b>					0			0

Adopted FY'12 will NOT add into TOTALS

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**WHERE THE ROGUE RIVER RUNS**



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