

# WASTEWATER

## ACTIVITIES

\*Wastewater Collection Services

\*Wastewater Treatment Services

\*JO-GRO™

\*Wastewater Customer Service

\*Wastewater System Debt Service

\*Wastewater – General Program

\*Wastewater – Capital Construction

## DESCRIPTION

This program includes the treatment plant, pumping stations, collection piping system, and support services systems that collectively provide wastewater services to the enterprise's customers.

	ACTUAL FY'04	ACTUAL FY'05	BUDGET FY'06	MANAGER RECOMMEND FY'07	COMMITTEE APPROVED FY'07	COUNCIL ADOPTED FY'07	PROJECTED FY'08
	\$	\$	\$	\$	\$	\$	\$
Program Generated Resources	<u>7,832,922</u>	<u>7,800,891</u>	<u>9,877,048</u>	<u>11,562,837</u>	<u>11,562,837</u>	<u>11,562,837</u>	<u>11,318,338</u>
<b>Total Resources</b>	<b><u>7,832,922</u></b>	<b><u>7,800,891</u></b>	<b><u>9,877,048</u></b>	<b><u>11,562,837</u></b>	<b><u>11,562,837</u></b>	<b><u>11,562,837</u></b>	<b><u>11,318,338</u></b>
Requirements							
Wastewater Collection	379,580	411,603	441,646	518,261	518,261	518,261	530,719
Wastewater Treatment	1,064,658	1,235,732	1,228,682	1,376,187	1,376,187	1,376,187	1,410,740
JO-GRO™	424,663	545,523	468,903	467,664	467,664	467,664	486,249
Customer Services	209,941	204,278	252,817	269,360	269,360	269,360	281,486
Debt Services	192,724	237,805	495,266	498,250	498,250	498,250	495,250
General Program Operations	1,081,685	556,964	1,501,844	1,743,166	1,743,166	1,743,166	1,822,316
SRF Debt Reserve	522,804	500,899	500,899	500,899	500,899	500,899	500,899
Capital Construction	<u>3,956,867</u>	<u>4,108,087</u>	<u>4,986,991</u>	<u>6,189,050</u>	<u>6,189,050</u>	<u>6,189,050</u>	<u>5,790,679</u>
<b>Total Requirements</b>	<b><u>7,832,922</u></b>	<b><u>7,800,891</u></b>	<b><u>9,877,048</u></b>	<b><u>11,562,837</u></b>	<b><u>11,562,837</u></b>	<b><u>11,562,837</u></b>	<b><u>11,318,338</u></b>

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## **Program: Utilities/Wastewater Program**

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### **Mission:**

*The mission of the Wastewater Program is to meet the area's current and future wastewater collection and treatment needs, protecting human health, welfare and the environment.*

### **Services Delivered:**

The process of collection, treatment and disposal of wastewater is one of the basic functions of our City. With primary focus on public safety and the environment, this utility collects wastewater from customers, conveys to the City's Water Restoration Plant for treatment, and ultimately discharges a treated effluent to the Rogue River.

System goals are to protect the river, assure a healthy and safe community environment, and provide capacity for community growth and economic prosperity. At the Water Restoration Plant, the wastewater of our community is treated to a level that is compatible with the Rogue River into which it discharges. The wastewater program works within strict environmental standards established by the Federal Water Quality Act through the National Pollutant Discharge Elimination System (NPDES), with oversight by the Oregon Department of Environmental Quality (DEQ).

The wastewater system includes the treatment plant, co-composting, pumping stations, collection system piping, and support service systems. The utility is an enterprise fund, with all costs of the system borne by ratepayers. The budget is structured in eight (8) major activities:

Wastewater Collection Services	Debt Service
Wastewater Treatment	Debt Service Reserve
JO-GRO™ Co-composting	General Program Operations
Customer Service	Capital Improvements

This program provides services to approximately 10,500 system accounts.

### **FY'07 – '08 Anticipated Accomplishments:**

Design to increase influent pumping capacity and add a second mechanical bar screen in the primary treatment system will be completed in FY'07 with construction expected to be completed in FY'08 - '09.

Design of the Pine/Booth/2<sup>nd</sup> Street sewer rehabilitation project will be completed with construction expected to begin before the end of FY'08. Bridge Street Pump station improvements to increase pumping capacity expected to begin in FY'07.

JO-GRO™ site improvements will be completed in FY'07. These will include site improvements to meet storm water discharge permit requirements and install a septic system for the employee's office.

## Program: Utilities/Wastewater Program

### Program Financial Summary

Resources	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL	PROJECTED
	FY'04	FY'05	FY'06	RECOMMEND	APPROVED	ADOPTED	
	\$	\$	\$	\$	\$	\$	\$
Beginning Balance	<u>225,264</u>	<u>51,454</u>	<u>157,783</u>	<u>22,838</u>	<u>22,838</u>	<u>22,838</u>	<u>21,460</u>
Current Resources							
Activity Generated							
Sewage Fees	2,825,033	2,903,396	3,844,125	4,334,750	4,334,750	4,334,750	4,484,750
Redwood Sewer District	175,773	164,347	192,000	222,000	222,000	222,000	227,000
Direct Charges	10,800	5,000	0	0	0	0	0
Revenue from Other Agencies	0	0	8,445	0	0	0	0
Interest	8,025	3,253	8,700	6,750	6,750	6,750	7,000
Other Revenue	86,451	62,989	178,105	286,550	286,550	286,550	286,550
Transfers from:							
Sewer Fund	21,905	0	0	0	0	0	0
Property Services Fund	0	1,466	0	0	0	0	0
Debt Service Reserve	522,804	500,899	500,899	500,899	500,899	500,899	500,899
Capital Construction	<u>3,956,867</u>	<u>4,108,087</u>	<u>4,986,991</u>	<u>6,189,050</u>	<u>6,189,050</u>	<u>6,189,050</u>	<u>5,790,679</u>
Total Current Resources	<u>7,607,658</u>	<u>7,749,437</u>	<u>9,719,265</u>	<u>11,539,999</u>	<u>11,539,999</u>	<u>11,539,999</u>	<u>11,296,878</u>
<b>Total Resources</b>	<b><u>7,832,922</u></b>	<b><u>7,800,891</u></b>	<b><u>9,877,048</u></b>	<b><u>11,562,837</u></b>	<b><u>11,562,837</u></b>	<b><u>11,562,837</u></b>	<b><u>11,318,338</u></b>

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL	PROJECTED
	FY'04	FY'05	FY'06	RECOMMEND	APPROVED	ADOPTED	
	\$	\$	\$	\$	\$	\$	\$
Wastewater Collection	379,580	411,603	441,646	514,761	514,761	514,761	530,719
Wastewater Treatment	1,064,658	1,235,732	1,228,682	1,376,187	1,376,187	1,376,187	1,410,740
Customer Services	209,941	204,278	252,817	269,360	269,360	269,360	281,486
JO-GRO™	424,663	545,523	468,903	467,664	467,664	467,664	486,249
General Program Operations	57	0	55,000	53,712	53,712	53,712	52,381
Contingency	0	0	150,000	250,000	250,000	250,000	250,000
Capital Construction	3,956,867	4,108,087	4,986,991	6,189,050	6,189,050	6,189,050	5,790,679
Indirect Charges	181,730	199,181	274,006	317,994	317,994	317,994	325,683
Debt Service	192,724	237,805	495,266	498,250	498,250	498,250	495,250
Transfers Out	848,444	200,000	1,000,000	1,103,500	1,103,500	1,103,500	1,175,000
Ending Balance	51,454	157,783	22,838	21,460	21,460	21,460	19,252
Debt Service Reserve	522,804	500,899	500,899	500,899	500,899	500,899	500,899
<b>Total Expenses</b>	<b><u>7,832,922</u></b>	<b><u>7,800,891</u></b>	<b><u>9,877,048</u></b>	<b><u>11,562,837</u></b>	<b><u>11,562,837</u></b>	<b><u>11,562,837</u></b>	<b><u>11,318,338</u></b>

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## **Program: Utilities/Wastewater – Wastewater Collection**

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### **Services Delivered:**

This activity is responsible for ensuring the safe, uninterrupted operation of sanitary sewer lines within the community, meeting state and federal standards. The services delivered are administered through distinct programs: customer service, inspection services, system maintenance and general operations. The duties encompassed in these programs include sewer main repair and cleaning, manhole repair, clean-out repair, TV inspection of new and existing sewer lines, easement maintenance, and emergency service calls. The collection division provides support to both contractors involved in new construction and water distribution division during their normal course of business. In addition, this activity provides contract services to the Redwood Sanitary Sewer Service District (RSSSD) in the areas of sewer line cleaning, forced main maintenance, utility location, and collection record management.

### **FY'07 – '08 Anticipated Accomplishments:**

The safe uninterrupted operation of sanitary sewer lines within the community shall continue to remain the primary goal of this activity. Cleaning of areas containing root and grease problems shall continue every 6 months. Routine cleaning of other segments of the sewer system shall continue on a rotating four-year basis. The inspection of smaller public lines with the TV mini-camera system shall continue during the budget period. All new sewer lines, manholes, and clean-outs will continue to be inspected prior to system inclusion. Sewer line failures shall be promptly repaired and with minimum impact to the public. Focused dye testing, manhole replacement, and mainline repairs shall also continue. Increased attention will be devoted to routine contract cleaning of the RSSSD.

### **FY'07 Performance Measurements:**

- No public sewer system overflows. **Goal #IV**
- 410 feet of sewer line cleaned per labor hour. **Goal #IV**
- 240 feet of sewer line TV inspected per hour. **Goal #IV**
- 1 hour average response time for sewer blockages. **Goal #IV**

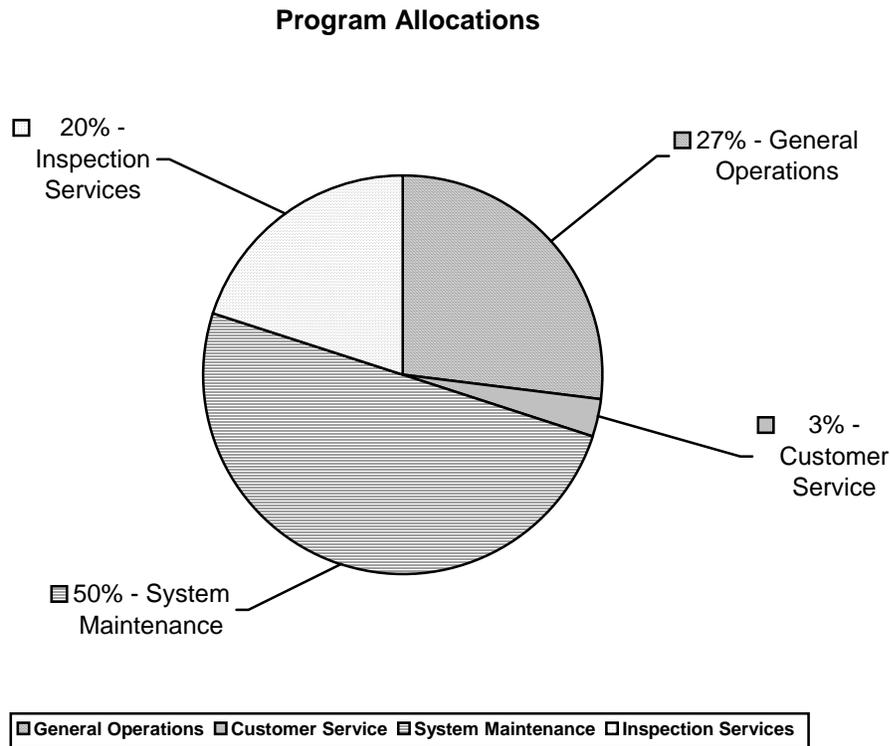
### **Budget Highlights:**

Growth of the collection system's service area continues to occur at a rapid pace. To fulfill divisional obligations related to the routine cleaning of the sewer system and the performance of utility locates, the FY'06 budget contains increased funding in personnel services for the addition of 1.5 municipal service worker positions. Funding continues for a .5 office assistant position added in FY'06. The FY'06 capital budget for the system maintenance program includes funding for the purchase of a traffic message board system. Funding continues for the installation of two new manholes to improve access for cleaning and TV inspection. Funds for the purchase of replacement computers are also included.

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## Program: Utilities/Wastewater – Wastewater Collection

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### **FY'06 Activity Review:**

Divisional goals related to routine system cleaning were not met due to increased demands for cleaning and TV inspection of sewer lines in new developments. The inspection of smaller sewer lines previously not TV inspected, continued. Re-inspection of sewer lines, with known defects to monitor changes in pipeline condition, continued at a reduced pace, utilizing "tilt-and-pan camera technology. Use of a private contractor for the conversion of existing VCR tapes to DVD format and other data related tasks was discontinued during the period and replaced with the addition of a .5 office assistant position to the operation to improve and expand office support. Contract utility locates, cleaning, and forced sewer line maintenance for the RSSSD system also continued.

Requests from contractors for cleaning, TV inspection services, and sewer utility locates continued at record levels during the period.

### **FY'06 Performance Indicators:**

- No public sewer system overflows: **Goal #III Target not met. Due to excessive rainfall event.**
- 306 feet of sewer line cleaned per labor hour: **Goal #III Target not met.**
- 238 feet of sewer line TV inspected per hour: **Goal #III Target not met.**
- 1 hour average response time for sewer blockages: **Goal #III Target met.**

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**Program: Utilities/Wastewater – Wastewater Collection**

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**Financial Summary**

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED	PROJECTED
	FY'04	FY'05	FY'06	FY'07	FY'07	FY'07	FY'08
	\$	\$	\$	\$	\$	\$	\$
Personal Services	238,923	250,800	270,098	352,278	352,278	352,278	376,204
Materials & Supplies	12,619	16,175	15,125	16,050	16,050	16,050	15,250
Contractual/Prof Services	87,858	90,060	79,406	77,082	77,082	77,082	78,677
Direct Charges	38,632	46,356	47,517	50,351	50,351	50,351	51,588
Capital Outlay	1,548	8,212	29,500	19,000	19,000	19,000	9,000
Transfers Out	<u>0</u>	<u>0</u>	<u>0</u>	<u>3,500</u>	<u>3,500</u>	<u>3,500</u>	<u>0</u>
<b>Total Requirements</b>	<b><u>379,580</u></b>	<b><u>411,603</u></b>	<b><u>441,646</u></b>	<b><u>518,261</u></b>	<b><u>518,261</u></b>	<b><u>518,261</u></b>	<b><u>530,719</u></b>

## Program: Utilities/Wastewater – Wastewater Collection

### Personnel

	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL	
	FY'04	FY'05	FY'06	RECOMMEND	APPROVED	ADOPTED	PROJECTED
	#	#	#	#	#	#	#
Municipal Service Worker	<u>3.00</u>	<u>3.00</u>	<u>3.00</u>	<u>4.00</u>	<u>4.00</u>	<u>4.00</u>	<u>4.00</u>
Subtotal	3.00	3.00	3.00	4.00	4.00	4.00	4.00
Utility Director							
FROM: Water Treatment	0.25	0.25	0.19	0.23	0.23	0.23	0.23
Utility Field Supervisor							
FROM: Water Distribution	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Municipal Service Worker							
FROM: Water Distribution	0.00	0.00	0.00	0.50	0.50	0.50	0.50
Office Assistant I							
FROM: Water Distribution	0.00	0.00	0.50	0.50	0.50	0.50	0.50
Office Assistant I							
FROM: Water Treatment	<u>0.25</u>						
Subtotal	1.00	1.00	1.44	1.98	1.98	1.98	1.98
<b>Total Full Time Positions</b>	<b><u>4.00</u></b>	<b><u>4.00</u></b>	<b><u>4.44</u></b>	<b><u>5.98</u></b>	<b><u>5.98</u></b>	<b><u>5.98</u></b>	<b><u>5.98</u></b>
Part Time/Seasonal Hours	<u>0</u>						

### *Capital Outlay/By Item:*

Manholes	15,000	7,500	7,500	7,500	7,500
Grabbers	13,000	0	0	0	0
Traffic Message Board	0	6,000	6,000	6,000	0
Security System – City shops	0	3,000	3,000	3,000	0
Computers	<u>1,500</u>	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>	<u>1,500</u>
<b>Total Capital Outlay</b>	<b><u>29,500</u></b>	<b><u>19,000</u></b>	<b><u>19,000</u></b>	<b><u>19,000</u></b>	<b><u>9,000</u></b>

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## Program: Utilities/Wastewater – Wastewater Treatment

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### Services Delivered:

This activity provides for the processing and safe disposal of collected wastewater as required to meet State and Federal standards, ensuring no harmful effects on the community or the environment. These services are delivered through six programs: support services, operations, maintenance, solids disposal, lift stations and pretreatment. In addition, this activity provides contract services to the Redwood Sanitary Sewer Service District and the Merlin Landfill for operation and maintenance services.

### FY'07 – '08 Anticipated Accomplishments:

Treating the community's wastewater to meet State and Federal standards will remain the main objective of this activity. The telemetry systems from the lift and pump stations will be improved to give the operations staff current lift station operating conditions.

### FY'07 Performance Measurements:

- Treated wastewater will meet or exceed State and Federal standards. **Goal #III**
- Target operating and maintenance costs per million gallons treated will be 580 dollars. **Goal #III**
- Target operating and maintenance costs per pound of BOD treated will be 38 cents. **Goal #III**
- Target operating and maintenance costs for Biosolids disposal will be 10 cents per pound. **Goal #III**

### Budget Highlights:

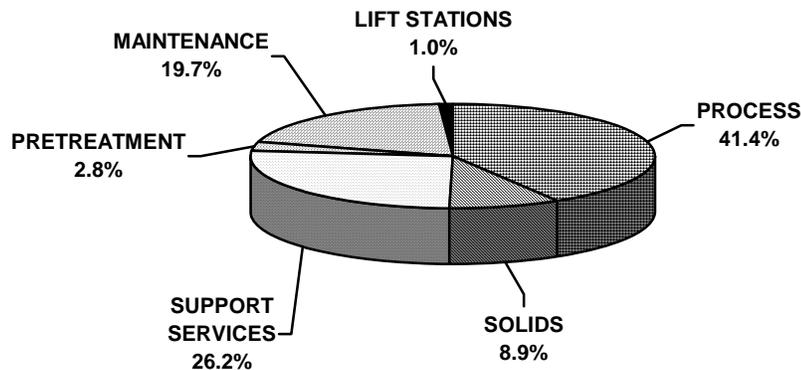
The FY'07 operations and maintenance budget includes funds to replace a sterilizer and turbidity meter in the laboratory, replace confined space personal protection equipment. Also, funds are included to replace the solids collector chains in one of the Primary clarifiers. The other clarifier collector chain will be replaced in FY'08.

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## Program: Utilities/Wastewater – Wastewater Treatment

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### PERCENT OF TOTAL BUDGET



#### *FY'06 Activity Review:*

During the 2006 budget year, this activity will treat an estimated 2.5 billion gallons of wastewater and transport an estimated 1.57 million pounds of Biosolids to the JO-GRO™ Co-Composting facility. The Phase 1 plant upgrade one-year DEQ performance certification was completed.

#### *FY'06 Performance Indicators:*

- Treated wastewater will meet or exceed State and Federal effluent standards 100 percent of the time.  
**Goal #III Target met.**
- Operation and maintenance costs per million gallons of wastewater treated will be 580 dollars.  
**Goal #III Target met.**
- Operation and maintenance costs per pound of BOD treated will be 38 cents.  
**Goal #III Target met.**
- Operation and maintenance costs for Biosolids disposal will be 10 cents per pound.  
**Target met.**

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## Program: Utilities/Wastewater – Wastewater Treatment

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### Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED	PROJECTED
	FY'04	FY'05	FY'06	FY'07	FY'07	FY'07	FY'08
	\$	\$	\$	\$	\$	\$	\$
Personal Services	449,869	494,017	561,438	615,143	615,143	615,143	630,501
Materials & Supplies	204,967	206,284	162,400	194,950	194,950	194,950	189,700
Contractual/Prof Services	397,384	502,332	472,459	534,785	534,785	534,785	554,868
Direct Charges	12,340	14,455	15,385	16,934	16,934	16,934	18,171
Capital Outlay	98	18,644	17,000	14,375	14,375	14,375	17,500
<b>Total Expenses</b>	<b><u>1,064,658</u></b>	<b><u>1,235,732</u></b>	<b><u>1,228,682</u></b>	<b><u>1,376,187</u></b>	<b><u>1,376,187</u></b>	<b><u>1,376,187</u></b>	<b><u>1,410,740</u></b>

## Program: Utilities/Wastewater – Wastewater Treatment

### Personnel

	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED	PROJECTED
	FY'04	FY'05	FY'06	FY'07	FY'07	FY'07	FY'08
	#	#	#	#	#	#	#
Utility Plant Supervisor	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Treatment Plant Specialist	4.00	4.00	5.00	5.00	5.00	5.00	5.00
Municipal Specialist	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Municipal Service Worker	<u>2.00</u>	<u>3.00</u>	<u>3.00</u>	<u>3.00</u>	<u>3.00</u>	<u>3.00</u>	<u>3.00</u>
Subtotal	8.00	9.00	10.00	10.00	10.00	10.00	10.00
Utility Director							
FROM: Water Treatment	0.25	0.25	0.19	0.23	0.23	0.23	0.23
Utility Plants Supervisor							
TO: JO-GRO™	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)
Trmt Plant Spec - Operations							
FROM/TO: Water Treatment	0.50	0.50	(0.35)	(0.50)	(0.50)	(0.50)	(0.50)
Trmt Plant Spec – Maintenance							
TO: JO-GRO™	(0.10)	(0.10)	(0.10)	(0.10)	(0.10)	(0.10)	(0.10)
TO: Water Treatment	(0.40)	(0.40)	(0.40)	(0.40)	(0.40)	(0.40)	(0.40)
Municipal Service Worker							
TO: JO-GRO™	0.00	(0.50)	(0.50)	(0.50)	(0.50)	(0.50)	(0.50)
Office Assistant I							
FROM: Water Treatment	<u>0.25</u>						
Subtotal	0.25	(0.25)	(1.16)	(1.27)	(1.27)	(1.27)	(1.27)
<b>Total Full Time Positions</b>	<b><u>8.25</u></b>	<b><u>8.75</u></b>	<b><u>8.84</u></b>	<b><u>8.73</u></b>	<b><u>8.73</u></b>	<b><u>8.73</u></b>	<b><u>8.73</u></b>
Part Time/Seasonal Hours	<u>1,000</u>	<u>1,200</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

### *Capital Outlay/By Item:*

Repair/Upgrade Equipment	15,000	12,500	12,500	12,500	16,000
Computers	<u>2,000</u>	<u>1,875</u>	<u>1,875</u>	<u>1,875</u>	<u>1,500</u>
<b>Total Capital Outlay</b>	<b><u>17,000</u></b>	<b><u>14,375</u></b>	<b><u>14,375</u></b>	<b><u>14,375</u></b>	<b><u>17,500</u></b>

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## **Program: Utilities/Wastewater – JO-GRO™**

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### **Services Delivered:**

This activity is responsible for processing the City's wastewater solids with greenwaste collected from the community to produce an "Exceptional quality class A" Co-Compost material for resale to the public. This activity also collects woodwaste material from the community that is recycled by BioMass One for energy production.

### **FY'07 – '08 Anticipated Accomplishments:**

Processing the City's wastewater solids with greenwaste to produce an "Exceptional quality" Co-Compost will continue to be the primary goal of this activity. This activity will continue to seek ways to increase sales of finished compost.

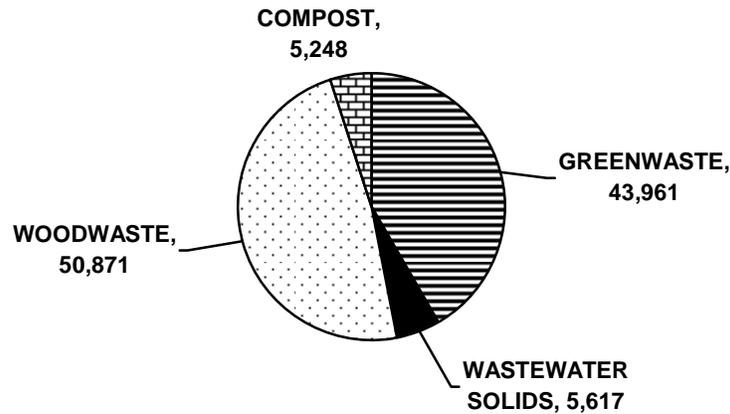
### **FY'07 Performance Measurements:**

- The JO-GRO™ facility will process the City's wastewater solids 100 percent of the time. **Goal #III**
- The finished Co-Compost will meet or exceed State and Federal standards for an "Exceptional quality class A" product 100 percent of the time. **Goal #III**
- Greenwaste received will be processed into compost 100 percent of the time. **Goal #III**
- Sell 100 percent of the finished co-compost material produced. **Goal #VI**

### **Budget Highlights:**

Funds are included in the FY'07 budget for the purchase of a replacement 3.5 yard bucket for the 936 loader.

## CUBIC YARDS OF MATERIALS FY'05



### FY'06 Activity Review:

This activity will process an estimated 35,373 cubic yards of greenwaste, 6,365 cubic yards of wastewater solids and sell an estimated 5,500 cubic yards of finished compost during the FY'06 budget year. In addition, an estimated 61,580 cubic yards of woodwaste will be recycled by BioMass One.

### FY'06 Performance Indicators:

- The JO-GRO™ facility will process 100 percent of the City's wastewater solids. **Goal #III Target met.**
- The finished co-compost will meet or exceed State and Federal standards 100 percent of the time. **Goal #III Target met**
- Market 100 percent of the finished compost material produced. **Goal #VI Target met.**
- Greenwaste received will be processed into compost 100 percent of the time. **Goal #III Target met.**

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**Program: Utilities/Wastewater – JO-GRO™**

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**Financial Summary**

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL	PROJECTED
	FY'04	FY'05	FY'06	RECOMMEND	APPROVED	ADOPTED	FY'08
	\$	\$	\$	\$	\$	\$	\$
Personal Services	179,585	210,084	228,559	224,736	224,736	224,736	240,381
Materials & Supplies	54,131	34,874	52,000	55,000	55,000	55,000	55,500
Contractual/Prof Services	190,947	155,565	188,344	183,428	183,428	183,428	185,868
Capital Outlay	0	0	0	4,500	4,500	4,500	4,500
Transfers Out	<u>0</u>	<u>145,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>Total Expenses</b>	<b><u>424,663</u></b>	<b><u>545,523</u></b>	<b><u>468,903</u></b>	<b><u>467,664</u></b>	<b><u>467,664</u></b>	<b><u>467,664</u></b>	<b><u>486,249</u></b>

**Program: Utilities/Wastewater – JO-GRO™**

**Personnel**

	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL	
	FY'04	FY'05	FY'06	RECOMMEND	APPROVED	ADOPTED	PROJECTED
	#	#	#	#	#	#	#
Municipal Services Worker	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Municipal Services Aide	<u>1.00</u>						
Subtotal	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Utility Director							
FROM: Water Treatment	0.00	0.00	0.06	0.06	0.06	0.06	0.06
Utility Plant Supervisor							
FROM: Wastewater Treatment	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Municipal Services Worker							
FROM: Wastewater Treatment	0.00	0.50	0.50	0.50	0.50	0.50	0.50
Trmt Plant Spec – Maint.							
FROM: Wastewater Treatment	<u>0.10</u>						
Subtotal	0.35	0.85	0.91	0.91	0.91	0.91	0.91
<b>Total Full Time Positions</b>	<b><u>3.35</u></b>	<b><u>3.85</u></b>	<b><u>3.91</u></b>	<b><u>3.91</u></b>	<b><u>3.91</u></b>	<b><u>3.91</u></b>	<b><u>3.91</u></b>
Part Time/Seasonal Hours	<u>1,560</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

***Capital Outlay/By Item:***

Loader Bucket	<u>0</u>	<u>4,500</u>	<u>4,500</u>	<u>4,500</u>	<u>4,500</u>
<b>Total Capital Outlay</b>	<b><u>0</u></b>	<b><u>4,500</u></b>	<b><u>4,500</u></b>	<b><u>4,500</u></b>	<b><u>4,500</u></b>

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## Program: Utilities/Wastewater – Customer Service

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### Services Delivered:

Customer Service provides for the billing and collections of customer charges, legal services and engineering required for wastewater activities.

### FY'07 – '08 Anticipated Accomplishments:

The activity provides for direct customer services and engineering support for developers. This activity focuses on the City Council goals of **Positive Communication** and **Growth Management**, with extensive work with individual customers paying bills, establishing accounts and assisting with or planning for service modifications to their property. The engineering costs are those associated with customer service for developers, real estate agents and property owners in Community Development.

The Customer Service activity will bill about 10,500 customers monthly and maintain timely records on all accounts. In addition the activity will incorporate the Redwood Sanitary Sewer Services District which bills approximately 1,400 additional sewer customers. In total the activity will be bill about 12,000 sewer customers. Information regarding sewer line locations, new service requests, local improvement district financing and other data regarding the overall system will be provided to customers through this activity.

### FY'07 Performance Measurements:

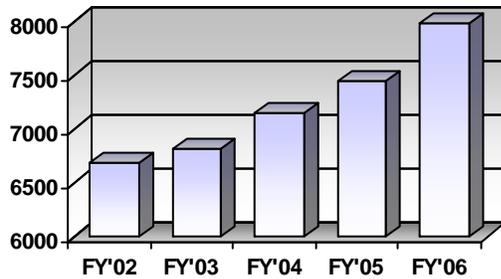
- All customer accounts will be updated daily. **Goal #VI**
- Delinquent sewer only accounts will be turned over to the County Assessor for processing as liens through property tax collection. **Goal #VI**
- Customers currently being served by the Redwood Sanitary Sewer Services District will be successfully incorporated into the City billing process. **Goal #VI**

### Budget Highlights:

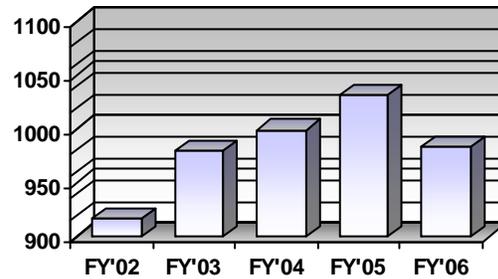
The FY'07 budget increases are a reflection of the increased costs associated with postage and utility billing and collection services.

## Program: Utilities/Wastewater – Customer Service

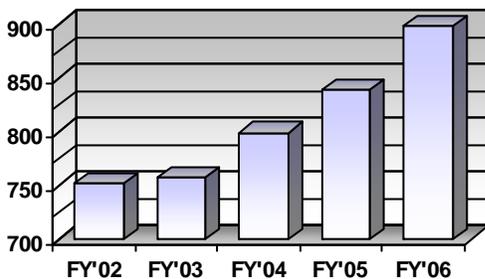
Number of RESIDENTIAL Customers



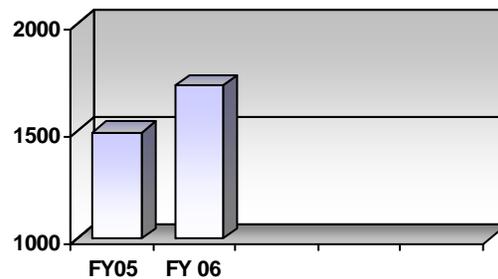
Number of COMMERCIAL Customers



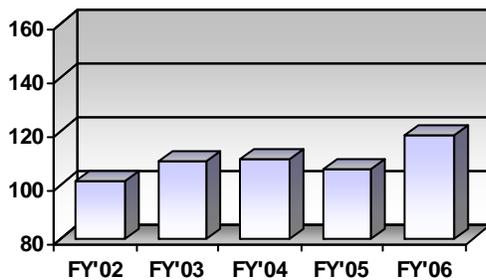
Number of MULTIFAMILY Customers



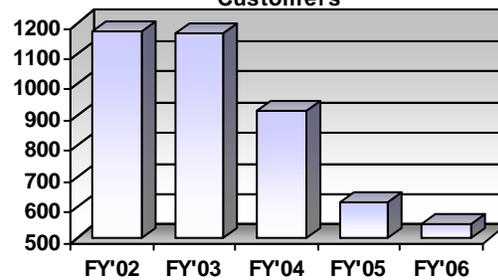
Number of Redwood Sanitary Sewer Services Customers



Number of PUBLIC AGENCY Customers



Number of HARBECK-FRUITDALE Customers



Note: (1.) In FY '03 Public Agency numbers jumped due to several churches and Three Rivers Dimmick properties being moved from commercial to Public category. In FY'06 these accounts were returned to the commercial category.  
 (2.) Harbeck-Fruitdale numbers decline as properties are annexed and moved into appropriate class groups.

### FY'06 Performance Indicators:

- All customer accounts will be updated daily. **Goal #VI Target met.**

Delinquent sewer only accounts will be turned over to the County Assessor for processing as liens through property tax collection. **Goal #VI Target met.**

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**Program: Utilities/Wastewater – Customer Service**

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***Financial Summary***

Requirements	ACTUAL FY'04 \$	ACTUAL FY'05 \$	BUDGET FY'06 \$	MANAGER RECOMMEND FY'07 \$	COMMITTEE APPROVED FY'07 \$	COUNCIL ADOPTED FY'07 \$	PROJECTED FY'08 \$
Contractual/Prof Services	54,962	26,733	41,100	43,230	43,230	43,230	45,375
Direct Charges	<u>154,979</u>	<u>177,545</u>	<u>211,717</u>	<u>226,130</u>	<u>226,130</u>	<u>226,130</u>	<u>236,111</u>
<b>Total Expenses</b>	<b><u>209,941</u></b>	<b><u>204,278</u></b>	<b><u>252,817</u></b>	<b><u>269,360</u></b>	<b><u>269,360</u></b>	<b><u>269,360</u></b>	<b><u>281,486</u></b>

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**Program: Utilities/Wastewater – Customer Service**

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## Program: Utilities/Wastewater – Debt Service

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### Services Delivered:

This activity accounts for the repayment of debt incurred by the Wastewater Utility. A total of \$7,000,000 of State Revolving Loan Fund (SRF) monies were made available to the City for expansion of the Wastewater Treatment Plant and related projects. The City's commitment for these monies was made in the fall of 2001 with the first draw occurring in the fall of 2002, commensurate with construction.

### FY'07 – '08 Anticipated Accomplishments:

With the final draw of SRF monies in July of 2004 and the formal acceptance by SRF, semi-annual interest payments began in March of FY'05.

### Budget Highlights:

The new SRF loan will be payable over twenty years at an interest rate of 3.43%. Payment of principle began in FY'06.

The Debt Service schedule is in Appendix P.

The SRF loan payment schedule is:

	FY'05	FY'06	FY'07	FY'08
Loan Agreement R38671 December 31, 2004				
Principal		257,345	266,249	275,460
Interest	<u>347,468*</u>	<u>237,904</u>	<u>229,001</u>	<u>219,790</u>
	347,468	495,249	495,250	495,250

\*The Revised FY'05 budget debt service differs from this schedule due to accruals.

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**Program: Utilities/Wastewater – Debt Service**

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**Financial Summary**

Requirements	ACTUAL FY'04 \$	ACTUAL FY'05 \$	BUDGET FY'06 \$	MANAGER RECOMMEND FY'07 \$	COMMITTEE APPROVED FY'07 \$	COUNCIL ADOPTED FY'07 \$	PROJECTED FY'08 \$
Debt Service	<u>192,724</u>	<u>237,805</u>	<u>495,266</u>	<u>498,250</u>	<u>498,250</u>	<u>498,250</u>	<u>495,250</u>
<b>Total Expenses</b>	<b><u>192,724</u></b>	<b><u>237,805</u></b>	<b><u>495,266</u></b>	<b><u>498,250</u></b>	<b><u>498,250</u></b>	<b><u>498,250</u></b>	<b><u>495,250</u></b>

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## **Program: Utilities/Wastewater – General Program Operations**

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### **Services Delivered:**

This activity accounts for expense that is not directly allocated to any single wastewater activity. The contingency is appropriated in this activity, along with transfers to capital projects, payment of administrative overhead, ending fund balances and debt issuance costs.

### **FY'07 – '08 Anticipated Accomplishments:**

The contingency funds available in General Program Operations are utilized only with direct City Council authorization. The ending fund balance appropriation may not be altered during the fiscal year. The appropriated funds for capital projects are transferred as soon as they are available.

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**Program: Utilities/Wastewater – General Program Operations**

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**Financial Summary**

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER RECOMMEND	COMMITTEE APPROVED	COUNCIL ADOPTED	PROJECTED
	FY'04	FY'05	FY'06	FY'07	FY'07	FY'07	FY'08
	\$	\$	\$	\$	\$	\$	\$
Contractual/Prof Services	57	0	55,000	53,712	53,712	53,712	52,381
Contingencies	0	0	150,000	250,000	250,000	250,000	250,000
Indirect Charges	181,730	199,181	274,006	317,994	317,994	317,994	325,683
Transfers Out	848,444	200,000	1,000,000	1,100,000	1,100,000	1,100,000	1,175,000
Ending Balance	<u>51,454</u>	<u>157,783</u>	<u>22,838</u>	<u>21,460</u>	<u>21,460</u>	<u>21,460</u>	<u>19,252</u>
<b>Total Expenses</b>	<b><u>1,081,685</u></b>	<b><u>556,964</u></b>	<b><u>1,501,844</u></b>	<b><u>1,743,166</u></b>	<b><u>1,743,166</u></b>	<b><u>1,743,166</u></b>	<b><u>1,822,316</u></b>

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## **Program: Utilities/Wastewater – Debt Service Reserve Fund**

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### **Services Delivered:**

This activity accounts for the reserve requirement mandated by the covenants of the SRF loan accepted in 2001 for the expansion of the Wastewater Treatment Plant.

### **Budget Highlights:**

The reserve will be held until September 2024 when the loan is fully paid thereby releasing these funds. Annual interest earnings on the reserve funds are credited to General Operations and available for annual debt service.

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**Program: Utilities/Wastewater – Debt Service Reserve Fund**

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***Financial Summary***

Resources	ACTUAL FY'04 \$	ACTUAL FY'05 \$	BUDGET FY'06 \$	MANAGER RECOMMEND FY'07 \$	COMMITTEE APPROVED FY'07 \$	COUNCIL ADOPTED FY'07 \$	PROJECTED FY'08 \$
Beginning Balance	<u>522,804</u>	<u>500,899</u>	<u>500,899</u>	<u>500,899</u>	<u>500,899</u>	<u>500,899</u>	<u>500,899</u>
<b>Total Resources</b>	<b><u>522,804</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>

Requirements	ACTUAL FY'04 \$	ACTUAL FY'05 \$	BUDGET FY'06 \$	MANAGER RECOMMEND FY'07 \$	COMMITTEE APPROVED FY'07 \$	COUNCIL ADOPTED FY'07 \$	PROJECTED FY'08 \$
Transfers Out	21,905	0	0	0	0	0	0
Ending Balance	<u>500,899</u>	<u>500,899</u>	<u>500,899</u>	<u>500,899</u>	<u>500,899</u>	<u>500,899</u>	<u>500,899</u>
<b>Total Expenses</b>	<b><u>522,804</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>	<b><u>500,899</u></b>

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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.

### **Budget Highlights:**

This portion of the Wastewater system receives financing from System Development Charge revenues and transfers from wastewater operations. System Development Charge revenues remain a small part of the total financing for construction activities, representing a total revenue of about \$300,000 for this fiscal period, less than 10% of the capital needs for this fiscal period.

We were able to save costs by providing our own personnel for project observation and coordination instead of contracting with consultants. The total cost for the full time person, allocated to specific projects based on actual inspection time, is \$68,000 for FY'05.

A list of projects for FY'05, FY'06, FY'07 and FY'08 is shown on the following page.

The History through FY'04 column shows project costs through June 30, 2004. The FY'04 and FY'05 Actual columns show actual expenditures for the fiscal years July 1, 2003 through June 30, 2005. The Budget FY'06, Adopted FY'07, and Projected FY'08 columns reflect the total amount of resources available or expected to be available to the project during the respective fiscal years.

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## Program: Utilities/Wastewater – Capital Construction

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### FY '05, FY '06, FY'07 & FY'08 PROJECTS

	Expenses through FY'04	Actual FY'04	Actual FY'05	Budget FY'06	Adopted FY'07	Projected FY'08
SE4161 Accelerated Maintenance	79,979	6,573	152,662	91,181	50,181	50,000
SE4254 Oversizing & Overdepth	0	0	50,000	0	0	0
SE4344 Secondary Treatment - Phase I	10,094,338	3,539,897	490,488	225,000	65,000	0
SE4351 Pine/Booth Sewer Rehab	117,773	112,418	1,137,227	1,874,674	1,794,674	2,720,000
SE4451 Update Collection System Master Plan	269,983	94,087	41,151	80,000	0	0
SE4745 WRP Equipment Improvement	0	0	0	50,000	50,000	50,000
SE4746 WRP Landscape Improvements	0	0	30,000	31,251	0	0
SE4747 WRP Second Mechanical Bar Screen	0	0	0	50,858	1,000,858	1,500,000
SE4755 Burgess/"L" Street Alley Sewer Rehab	0	0	70,500	785	0	0
SE4793 Wastewater Rate Study	0	0	44,000	16,305	0	0
SE4835 I to J Alley Sewer Relocation JO-GRO™ Storm Water	0	0	0	211,000	206,000	0
SE4959 Improvements	0	0	0	10,000	50,000	0
SE4960 JO-GRO™ Miscellaneous Upgrades	0	0	0	0	25,000	0
SE4961 WRP Master Services Agreement Bridge Street Pump Station	0	0	0	0	25,000	25,000
SE4962 Improvements	0	0	0	0	237,000	0
SE4963 Update WRP Facility Plan	0	0	0	0	100,000	150,000
SE4964 WRP Phase 2 Expansion	0	0	0	0	0	800,000
Fund 728 Miscellaneous Projects - General	1,497,679	203,892	1,298,048	955,726	1,392,226	395,900
Fund 722 Miscellaneous Projects - SDC Funds	0	0	697,371	1,381,571	1,182,471	87,139
Fund 725 Miscellaneous Projects - AFD Funds	80,940	0	96,640	8,640	10,640	12,640
<b>Total Projects</b>	<b><u>12,140,692</u></b>	<b><u>3,956,867</u></b>	<b><u>4,108,087</u></b>	<b><u>4,986,991</u></b>	<b><u>6,189,050</u></b>	<b><u>5,790,679</u></b>

## Program: Utilities/Wastewater – Capital Construction

### Financial Summary

	Expenses through FY'04	Actual FY'04	Actual FY'05	Budget FY'06	Adopted FY'07	Projected FY'08
Beginning Fund Balance	<u>0</u>	<u>2,041,305</u>	<u>2,816,196</u>	<u>3,218,291</u>	<u>4,388,650</u>	<u>3,380,869</u>
Revenues						
System Development. Charges (SDC's)	2,165,066	337,278	344,464	225,000	200,000	200,000
SDC Reimbursement Fee	0	0	0	35,000	45,500	40,950
SDC Improvement Fee	0	0	0	250,000	325,000	292,500
SDC Admin Fee	0	0	0	8,200	10,400	9,360
SDC from Redwood SSS District s	353,243	172,264	272,756	200,000	200,000	175,000
Sewer Surcharges	828,076	0	(19)	0	0	0
Investment Interest	1,723,709	28,780	56,841	72,000	72,000	72,000
SDC Loan Interest	7,548	1,511	1,276	0	0	0
Redwood SSS District	7,057	0	0	0	0	0
SRLF Loan	6,874,938	3,233,684	124,810	0	0	0
Other Revenues	37,983	100	543	0	0	0
Advance Financing Fees	263,343	109,696	46,220	5,000	5,000	5,000
Street Utility Fee (From fund 230)				0	0	440,000
General Program - Sewer	<u>2,695,925</u>	<u>848,444</u>	<u>445,000</u>	<u>973,500</u>	<u>942,500</u>	<u>1,175,000</u>
Sub-Total Revenues	<u>14,956,888</u>	<u>4,731,757</u>	<u>1,291,891</u>	<u>1,768,700</u>	<u>1,800,400</u>	<u>2,409,810</u>
<b>Total Revenues</b>	<b><u>14,956,888</u></b>	<b><u>6,773,063</u></b>	<b><u>4,108,087</u></b>	<b><u>4,986,991</u></b>	<b><u>6,189,050</u></b>	<b><u>5,790,679</u></b>
Expenses						
Capital Outlay	11,645,801	3,956,867	859,796	598,341	2,808,181	5,295,000
Transfers Out	494,891	0	30,000	0	0	0
Ending Fund Balance	<u>2,816,196</u>	<u>2,816,196</u>	<u>3,218,291</u>	<u>4,388,650</u>	<u>3,380,869</u>	<u>495,679</u>
<b>Total Expenses</b>	<b><u>14,956,888</u></b>	<b><u>6,773,063</u></b>	<b><u>4,108,087</u></b>	<b><u>4,986,991</u></b>	<b><u>6,189,050</u></b>	<b><u>5,790,679</u></b>

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**Program: Utilities/Wastewater – Capital Construction**

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<b>Project</b>	<b>SE4161</b>	<b>Accelerated Maintenance</b>
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**Project Description**

Replacement of badly deteriorated sewer mains typically prior to paving due to new development or major street or alley repairs.

**Need for Project**

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

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

<b>Funding Sources</b>		<b>Project Expenses by Budget Year</b>	
Sewer Capital Projects	292,000	Prior Years	142,000
		FY '06	50,000
		FY '07	50,000
		FY '08	50,000
	<b>TOTAL</b>		<b>TOTAL</b>
	\$292,000		\$292,000

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**Program: Utilities/Wastewater – Capital Construction**

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<b>Project</b>	<b>SE4254</b>	<b>Oversizing and Overdepth</b>
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**Project Description**

This project sets aside monies to assist developments with sewer projects that are compatible with the Wastewater Collection System Master Plan. Costs for oversizing, over depth, or re-routing to better serve the Wastewater Utility are funded on a first-come, first-served basis.

This program will be discontinued with the adoption of a new Wastewater Systems Development Charge.

**Need for Project**

This project will assist in the orderly extension of the sewer system.

**Estimated Total Project Cost:      \$25,000 per year**

<b>Funding Sources</b>		<b>Project Expenses by Budget Year</b>	
Wastewater Capital Projects	50,000	Prior Years	50,000
		FY '06	0
		FY '07	0
		FY '08	0
	<b>TOTAL</b>		<b>TOTAL</b>
	\$50,000		\$50,000

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## Program: Utilities/Wastewater – Capital Construction

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<b>Project</b>	<b>SE4344</b>	<b>Secondary Treatment – Phase I</b>
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### Project Description

This project is a comprehensive investment in the Water Restoration Plant to include the following elements: expand and upgrade the secondary processes, install an outfall diffuser, miscellaneous laboratory and building improvements, SCADA system improvements, and a solids dewatering facility.

### Need for Project

The project is necessary to continue the ability to treat wastewater to increasingly stringent NPDES Permit requirements.

**Estimated Total Project Cost:      \$10,875,000**

Funding Sources		Project Expenses by Budget Year	
Wastewater Capital Projects	3,028,000	Prior Years	10,585,000
SRLF Loan	7,000,000	FY '06	225,000
Wastewater SDC's	837,000	FY '07	65,000
Other	10,000	FY '08	0
	<b>TOTAL \$10,875,000</b>	<b>TOTAL</b>	<b>\$10,875,000</b>



## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE4351</b>	<b>Pine / Booth / Sewer Replacement Revised</b>
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### Project Description

This project will replace approximately 7,000 LF of structurally-defective and undersized 12-inch clay sewer line with 21- and 24-inch 3034 plastic pipe beginning at S.W. Central Ave. at Oak Street and extending up Pine and Booth Streets to the 750 block of 2<sup>nd</sup> Street. Project design will occur in FY'04/'05 and construction will occur in FY'06/'07.

### Need for Project

This project is ranked as a top priority in the draft Wastewater Collection System Master Plan Update, due to both capacity and structural deficiencies in the existing sewer main. Insufficient pipeline capacity raises the probability of sanitary sewer overflows (prohibited by Federal law). Structural deficiencies have led to the formation of sink holes in Pine Street.

**Estimated Total Project Cost: \$4,055,000**

<b>Funding Sources</b>		<b>Project Expenses by Budget Year</b>	
Wastewater Capital Projects	3,615,000	Prior Years	255,000
Street Utility Fee	440,000	FY '06	80,000
		FY '07	1,000,000
		FY '08	2,720,000
<b>TOTAL</b>	<b>\$4,055,000</b>	<b>TOTAL</b>	<b>\$4,055,000</b>



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## Program: Utilities/Wastewater – Capital Construction

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<b>Project</b>	<b>SE4451</b>	<b>Update Collection System Master Plan</b>
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### Project Description

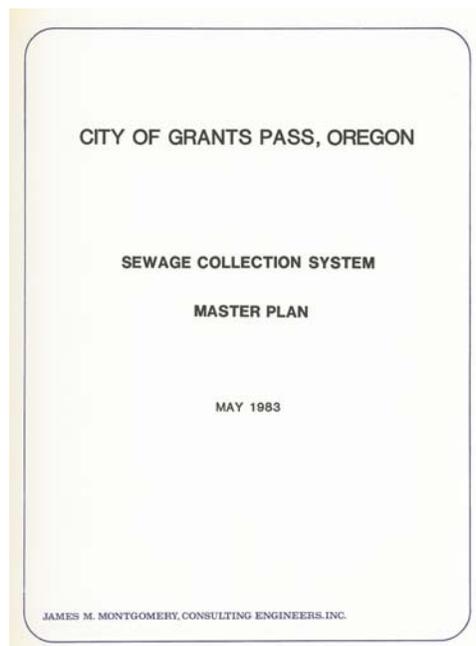
The current 20-year Master Plan was written in 1983. This update will provide background work to identify and organize existing field information; system analysis to evaluate flow characteristics, perform hydraulic modeling and evaluate system maintenance and reliability concerns; Master Plan development to provide replacement/rehabilitation criteria, identify and prioritize replacement/rehabilitation targets, and develop Collection System CIP; document preparation and approval to produce final report for adoption by the City Council and approval by the Oregon Department of Environmental Quality; and project administration and support to provide project management, assist in public participation, and provide quality assurance/quality control.

### Need for Project

This Master Plan is a Requirement for NPDES Permit.

**Estimated Total Project Cost:      \$391,000**

Funding Sources		Project Expenses by Budget Year	
Wastewater Capital Projects	380,000	Prior Years	311,000
Wastewater SDCs	11,000	FY '06	80,000
		FY '07	0
		FY '08	0
<b>TOTAL</b>	<b>\$391,000</b>	<b>TOTAL</b>	<b>\$391,000</b>



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## Program: Utilities/Wastewater – Capital Construction

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<b>Project</b>	<b>SE4745</b>	<b>WRP Equipment Improvement</b>
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### Project Description

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

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

Funding Sources		Project Expenses by Budget Year	
Wastewater Capital Projects	150,000	Prior Years	0
		FY '06	50,000
		FY '07	50,000
		FY '08	50,000
	<b>TOTAL</b>	<b>TOTAL</b>	<b>\$150,000</b>



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## Program: Utilities/Wastewater – Capital Construction

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<b>Project</b>	<b>SE4746</b>	<b>WRP Site Landscaping Improvements</b>
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### Project Description

This project will upgrade existing landscaping and add additional landscaping around the Water Restoration Plant site.

### Need for Project

The landscaping is a requirement for the development permit issued for Phase 1 upgrades made to the plant. It will provide noise and odor reduction and help screen the industrial appearance of the WRP from the surrounding residential neighborhood.

**Estimated Total Project Cost:      \$60,000**

Funding Sources		Project Expenses by Budget Year	
Wastewater Capital Projects	60,000	Prior Years	30,000
		FY '06	30,000
		FY '07	
		FY '08	
	<b>TOTAL</b>	<b>TOTAL</b>	<b>\$60,000</b>
	<b>\$60,000</b>		



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## Program: Utilities/Wastewater – Capital Construction

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<b>Project</b>	<b>SE4747</b>	<b>WRP 2<sup>nd</sup> Mechanical Bar Screen and Influent Pump Station</b>
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### Project Description

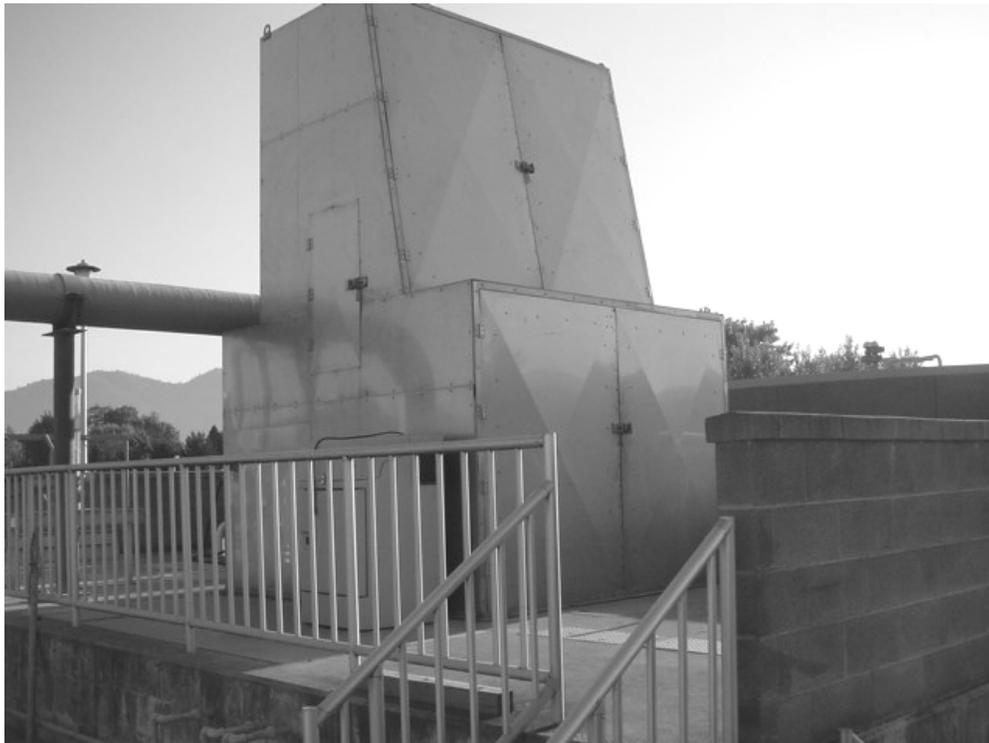
Installation of a 2<sup>nd</sup> mechanical bar screen and associated odor control facilities in the headworks area. The replacement of 3 influent pumps, controls and handling equipment.

### Need for Project

These items were identified in the Facility Plan for upgrade. The bar screen is a redundancy item as well as a capacity issue. The pump replacements are a capacity issue.

**Estimated Total Project Cost:      \$2,553,000**

Funding Sources		Project Expenses by Budget Year	
Wastewater SDC	2,553,000	Prior Years	3,000
Wastewater Capital Projects		FY '06	50,000
		FY '07	1,000,000
		FY '08	1,500,000
	<b>TOTAL    \$2,553,000</b>	<b>TOTAL</b>	<b>\$2,553,000</b>



## Program: Utilities/Wastewater – Capital Construction

<b>Project</b>	<b>SE4755</b>	<b>Burgess/"L" Street Alley Sewer Rehab</b>
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### Project Description

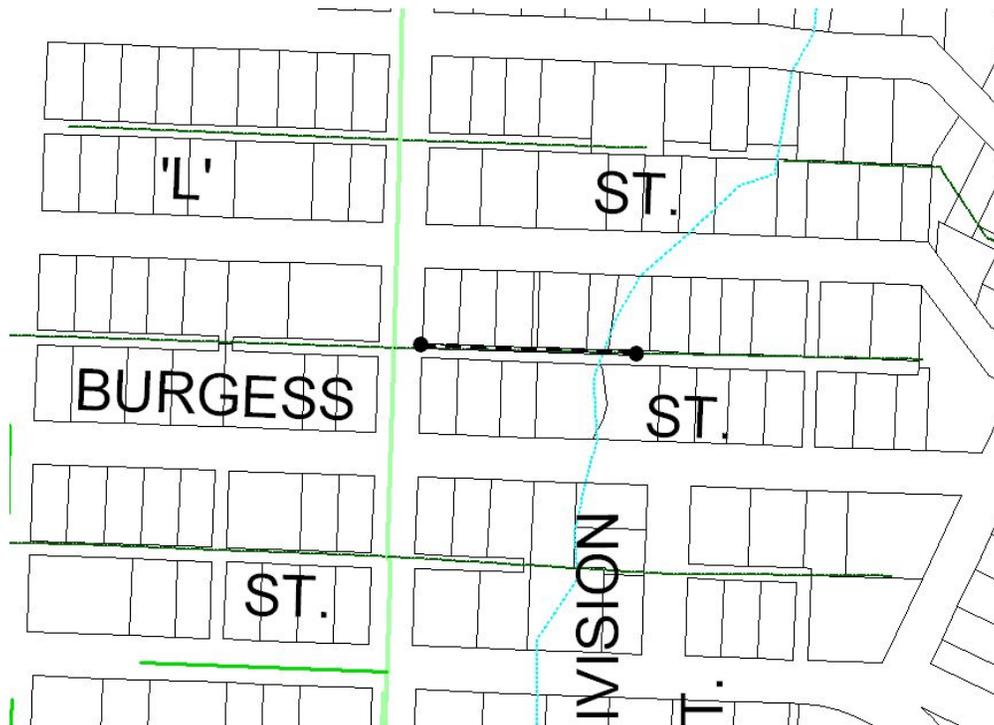
This project will replace about 274 feet of 8-inch sewer line where it crosses Gilbert Creek.

### Need for Project

The creek crossing is in danger of imminent failure and must be replaced as an emergency measure. The replacement will prevent release of sewage into Gilbert Creek.

**Estimated Total Project Cost: \$72,000**

Funding Sources		Project Expenses by Budget Year		
Wastewater Capital Projects	72,000	Prior Years	71,000	
		FY '06	1,000	
		FY '07	0	
		FY '08	0	
	<b>TOTAL</b>	<b>\$72,000</b>	<b>TOTAL</b>	<b>\$72,000</b>



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## Program: Utilities/Wastewater – Capital Construction

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<b>Project</b>	<b>SE4793</b>	<b>Wastewater Rates &amp; SDC Studies</b>
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### Project Description

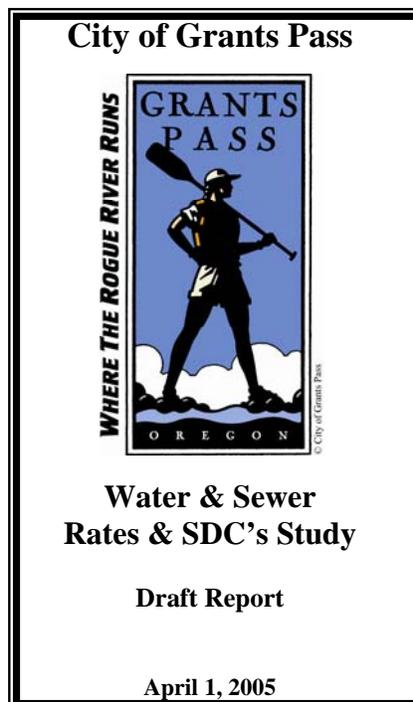
This project funds the creation of a rate model for the City's municipal wastewater system and an analysis of user rates and SDCs needed to meet projected O&M expenses and CIP investments for the next 20 years. Changes in rates and SDC amounts will be proposed to Council for adoption in early FY'06.

### Need for Project

The existing wastewater user rates and SDCs will not provide adequate revenues to meet projected expenses over the 20-year planning period.

**Estimated Total Project Cost:       \$73,000**

Funding Sources		Project Expenses by Budget Year		
Wastewater Capital Projects	73,000	Prior Years	57,000	
		FY '06	16,000	
		FY '07	0	
		FY '08	0	
	TOTAL	\$73,000	TOTAL	\$73,000



## Program: Utilities/Wastewater – Capital Construction

**Project SE 4835 “I” to “J” Alley Sewer Relocation**

### Project Description

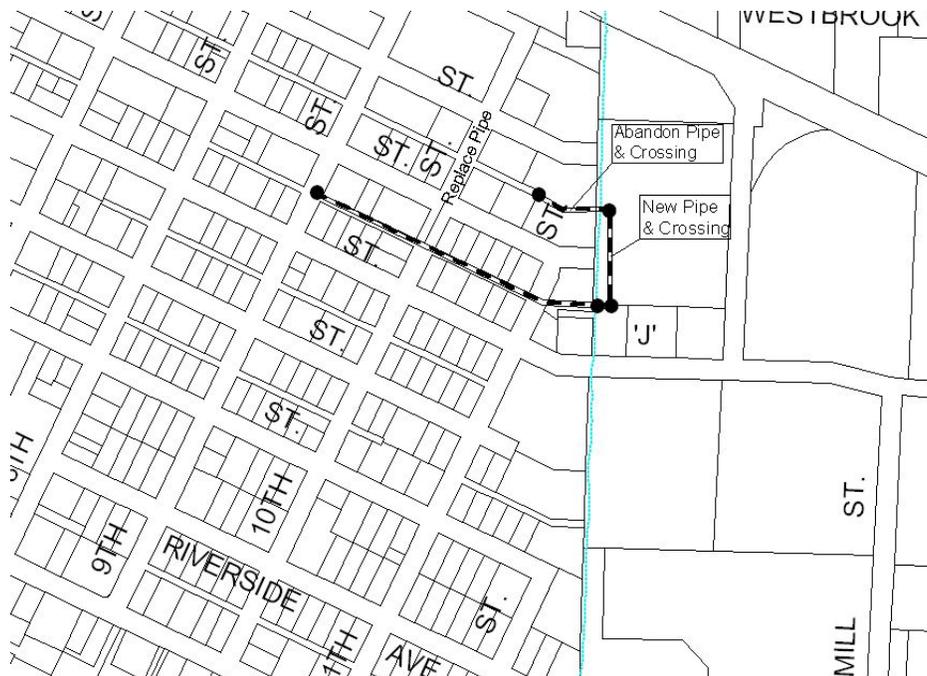
This project will replace approximately 900 LF of aging 6-inch clay pipe in the alley between “I” and “J” Streets with 8-inch diameter 3034 sewer pipe. A new creek crossing and 300 LF of new 8-inch sewer pipe on the east side of Skunk Creek will be installed. A creek crossing and approximately 225 LF of sewer pipe in the alley between “H” and “I” Streets will be abandoned.

### Need for Project

The pipeline to be replaced is not in good condition and is due to be replaced. The pipeline to be abandoned passes under a commercial warehouse building. The creek crossing (to be abandoned) is in risk of failure and dumping sewage into Skunk Creek.

**Estimated Total Project Cost: \$211,000**

Funding Sources		Project Expenses by Budget Year	
Wastewater Capital Projects	211,000	Prior Years	0
		FY '06	5,000
		FY '07	206,000
		FY '08	0
	<b>TOTAL</b>	<b>TOTAL</b>	<b>\$211,000</b>



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## Program: Utilities/Wastewater – Capital Construction

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<b>Project</b>	<b>SE4959</b>	<b>JO-GRO™ Storm Water Improvements</b>
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### Project Description

Provide a physical storm water barrier between the green waste and compost areas.

### 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.

**Estimated Total Project Cost:      \$60,000**

Funding Sources		Project Expenses by Budget Year	
Wastewater Capital Projects	60,000	Prior Years	0
		FY '06	10,000
		FY '07	50,000
		FY '08	0
	<b>TOTAL</b>	<b>TOTAL</b>	<b>\$60,000</b>



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## Program: Utilities/Wastewater – Capital Construction

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

Provide a permanent septic system for JO-GRO™ employees, add slab and bollards around fuel tank and install a permanent electrical connection for fuel tank pump.

### Need for Project

Currently JO-GRO™ employees use a port-a-potty and cleanup facilities are extremely limited. The other items were identified during a fire department inspection.

**Estimated Total Project Cost:      \$25,000**

Funding Sources		Project Expenses by Budget Year	
Wastewater Capital Projects	25,000	Prior Years	0
		FY '06	0
		FY '07	25,000
		FY '08	0
	<b>TOTAL</b>	<b>TOTAL</b>	<b>\$25,000</b>



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**Program: Utilities/Wastewater – Capital Construction**

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<b>Project</b>	<b>SE4961</b>	<b>WRP Master Services Agreement</b>
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**Project Description**

Advertise, evaluate and select an engineering firm for a multi-year master services agreement.

**Need for Project**

Parametrix, Inc. has been our master services provider for the WRP since 1999. We feel it is time to re-evaluate all interested engineering firms including Parametrix.

**Estimated Total Project Cost:      \$50,000**

<b>Funding Sources</b>		<b>Project Expenses by Budget Year</b>	
Wastewater Capital Projects	50,000	Prior Years	0
		FY '06	0
		FY '07	25,000
		FY '08	25,000
	<b>TOTAL</b>		<b>TOTAL</b>
	\$50,000		\$50,000

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## Program: Utilities/Wastewater – Capital Construction

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<b>Project</b>	<b>SE4962</b>	<b>Bridge Street Pump Station Improvements</b>
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### Project Description

Expansion of the pumping capacity and connection to the 8” force main. Improvements include; new variable frequency drives, flow meter, additional plumbing to allow installation of pig ports and approximately 500’ extension of the 8” force main.

### Need for Project

The pump station is approaching capacity of the 4” discharge force main. Also, as a result of detailed inspection performed on the pump station in January of 2006, several deficiencies were found and improvements recommended.

**Estimated Total Project Cost:        \$237,000**

Funding Sources		Project Expenses by Budget Year	
Wastewater Capital Projects	237,000	Prior Years	0
		FY '06	0
		FY '07	237,000
		FY '08	0
	<b>TOTAL</b>	<b>\$237,000</b>	<b>TOTAL</b>
			<b>\$237,000</b>



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## Program: Utilities/Wastewater – Capital Construction

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

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.

**Estimated Total Project Cost:      \$250,000**

Funding Sources		Project Expenses by Budget Year	
Wastewater Capital Projects	250,000	Prior Years	0
		FY '06	0
		FY '07	100,000
		FY '08	150,000
	<b>TOTAL</b>	<b>TOTAL</b>	<b>\$250,000</b>



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**Program: Utilities/Wastewater – Capital Construction**

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<b>Project</b>	<b>SE4964</b>	<b>WRP Phase 2 Expansion</b>
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**Project Description**

Expand aeration basin capacity, install reuse filtration, new secondary clarifier, thickener modifications and miscellaneous piping, electrical and SCADA improvements.

**Need for Project**

Expand the capacity of the WRP and meet anticipated treatment requirements from ODEQ.

**Estimated Total Project Cost:      \$8,100,000**

<b>Funding Sources</b>		<b>Project Expenses by Budget Year</b>	
Wastewater Capital Projects	466,000	Prior Years	0
Wastewater SDC's	334,000	FY '06	0
		FY '07	0
		FY '08	800,000
<b>TOTAL</b>	<b>\$800,000</b>	<b>TOTAL</b>	<b>\$800,000</b>

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**Program: Utilities/Wastewater – Capital Construction**

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<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.

<b>Funding Sources FY'06/FY'07/FY'08</b>		<b>Project Expenses by Budget Year</b>	
Balance Forward	698,000	FY '06	54,000
Wastewater SDC	625,000	FY '07	1,000,000
Redwood SDC	575,000	FY '08	1,833,000
WW Collection SDC	1,017,000		
Investment Interest	60,000		
	<b>TOTAL</b>		<b>TOTAL</b>
	\$2,975,000		\$2,887,000

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**Program: Utilities/Wastewater – Capital Construction**

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<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.

<b>Funding Sources FY'06/FY'07/FY'08</b>		<b>Project Expenses by Budget</b>	
<b>Year</b>			
Balance Forward	97,000	FY '06	95,000
Advanced Financing/Interest	15,000	FY '07	5,000
Investment Interest	6,000	FY '08	5,000
	<b>TOTAL</b>		<b>TOTAL</b>
	\$118,000		\$105,000

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## Program: Utilities/Wastewater – Capital Construction

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<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.

<b>Funding Sources FY'06, 07, 08</b>		<b>Project Expenses by Budget Year</b>	
Resource balance forward	1,298,000	FY '06	1,461,000
General Program – Wastewater	3,091,000	FY '07	561,000
Advance Financing & Interest	105,000	FY '08	2,226,000
Investment Interest	150,000		
	<b>TOTAL</b>	<b>TOTAL</b>	<b>4,248,000</b>
	4,644,000		



**WHERE THE ROGUE RIVER RUNS**



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