

WATER

ACTIVITIES

- *Water Treatment Services
- *Water Distribution Services
- *Water Customer Service
- *Water System Debt Service
- * Water – General Program
- *Water – Independent Water Systems
- *Water – Capital Construction

DESCRIPTION

This program includes the operation, planning, engineering, production, and delivery of water to each customer connection. Water services are made available for industrial, commercial, domestic, and fire protection uses.

	ACTUAL FY'05 \$	ACTUAL FY'06 \$	BUDGET FY'07 \$	MANAGER RECOMMEND FY'08 \$	COMMITTEE APPROVED FY'08 \$	COUNCIL ADOPTED FY'08 \$
Program Generated Resources	<u>7,653,740</u>	<u>8,010,209</u>	<u>9,910,147</u>	<u>8,564,640</u>	<u>8,564,640</u>	<u>8,564,640</u>
Total Resources	<u>7,653,740</u>	<u>8,010,209</u>	<u>9,910,147</u>	<u>8,564,640</u>	<u>8,564,640</u>	<u>8,564,640</u>
Requirements						
Water Treatment	991,089	1,031,855	1,216,300	1,292,530	1,292,530	1,292,530
Water Distribution	793,573	880,376	1,041,970	1,033,656	1,033,656	1,033,656
Customer Services	270,570	327,755	397,284	430,555	430,555	430,555
Debt Services	414,895	418,058	416,430	418,163	418,163	418,163
General Program Operations	1,896,020	1,687,469	1,809,437	1,150,510	1,150,510	1,150,510
Water Debt Reserve Fund	408,000	408,000	408,000	408,000	408,000	408,000
Independent Water Systems	92,818	0	0	0	0	0
Capital Construction	<u>2,786,775</u>	<u>3,256,696</u>	<u>4,620,726</u>	<u>3,831,226</u>	<u>3,831,226</u>	<u>3,831,226</u>
Total Requirements	<u>7,653,740</u>	<u>8,010,209</u>	<u>9,910,147</u>	<u>8,564,640</u>	<u>8,564,640</u>	<u>8,564,640</u>

Program: Utilities/Water Program

Mission:

The mission of the Water Program is to meet the expanding service area's current and future drinking water and fire flow needs.

Services Delivered:

The municipal water system withdraws raw water from the Rogue River, removes suspended particulates, removes and inactivates pathogens, and produces, pumps and stores a non-corrosive, palatable water according to Federal and State drinking water regulations. The water system includes the water filtration plant, reservoirs, booster pumping stations, distribution piping, and support service systems. The utility is an enterprise fund, with all costs of the system borne by ratepayers.

Major repairs and improvements to the water system are financed through capital expenditures. Minor repairs and ongoing operational needs are financed through the operating budgets. The budget is structured in eight (8) major activities:

Water Treatment	Water Distribution
Customer Service	Debt Service
General Program Operations	Debt Service Reserve
Capital Improvements	Independent Water Systems

This Program provides services to approximately 10,650 system accounts.

FY'08 Anticipated Accomplishments:

FY'08 will see the start of construction for automated solids collection in the settling basins at the water treatment plant.

The Hilltop pump station will be re-engineered to improve fire flow and provide standby power. An old segment of 10-inch cast iron water main under the Caveman Plaza will be abandoned. Several segments of small diameter cast iron mains will be replaced. Connection to City water will be completed for at least one more community well system in the Redwood area.

Program: Utilities/Water Program

Program Financial Summary

Resources	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL
	FY'05	FY'06	FY'07	RECOMMEND	APPROVED	ADOPTED
	\$	\$	\$	FY'08	FY'08	FY'08
Beginning Balance	<u>556,001</u>	<u>387,857</u>	<u>629,371</u>	<u>17,339</u>	<u>17,339</u>	<u>17,339</u>
Current Resources						
Activity Generated						
Property Taxes	146	(1,419)	0	0	0	0
Sale of Water	3,648,566	3,823,577	4,034,750	4,210,775	4,210,775	4,210,775
Direct Charges to:						
Solid Waste Operations	12,766	10,233	10,000	10,000	10,000	10,000
Transportation	0	4,632	6,500	6,500	6,500	6,500
Interest	17,316	35,191	45,000	25,000	25,000	25,000
Revenue Other Agencies	0	6,968	0	0	0	0
Other Revenue	67,352	78,474	55,800	55,800	55,800	55,800
Unspent Contingency	0	0	100,000	0	0	0
Transfers In	64,000	0	0	0	0	0
Debt Service Reserve Fund	408,000	408,000	408,000	408,000	408,000	408,000
Star View Water System	92,818	0	0	0	0	0
Capital Construction	<u>2,786,775</u>	<u>3,256,696</u>	<u>4,620,726</u>	<u>3,831,226</u>	<u>3,831,226</u>	<u>3,831,226</u>
Total Current Resources	<u>7,097,739</u>	<u>4,365,656</u>	<u>4,660,050</u>	<u>4,716,075</u>	<u>4,716,075</u>	<u>4,716,075</u>
Total Resources	<u>7,653,740</u>	<u>8,010,209</u>	<u>9,910,147</u>	<u>8,564,640</u>	<u>8,564,640</u>	<u>8,564,640</u>

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL
	FY'05	FY'06	FY'07	RECOMMEND	APPROVED	ADOPTED
	\$	\$	\$	FY'08	FY'08	FY'08
Water Treatment	991,089	1,031,855	1,216,300	1,292,530	1,292,530	1,292,530
Water Distribution	793,573	880,376	1,041,970	1,033,656	1,033,656	1,033,656
Customer Services	270,570	327,755	397,284	430,555	430,555	430,555
General Program Operations	400	5,406	20,500	20,500	20,500	20,500
Contingency	0	0	90,000	200,000	200,000	200,000
Star View Water System	92,818	0	0	0	0	0
Indirect Charges	195,763	262,692	306,598	316,940	316,940	316,940
Debt Service	414,895	418,058	416,430	418,163	418,163	418,163
Transfers Out	1,312,000	4,046,696	5,995,726	4,381,226	4,381,226	4,381,226
Ending Balance	387,857	629,371	17,339	63,070	63,070	63,070
Water Debt Reserve Fund	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>
Total Expenses	<u>7,653,740</u>	<u>8,010,209</u>	<u>9,910,147</u>	<u>8,564,640</u>	<u>8,564,640</u>	<u>8,564,640</u>

Program: Utilities/Water – Water Treatment Services

Services Delivered:

This activity is responsible for the operations and maintenance of the City's Water Filtration Plant and fourteen remote pumping stations including their radio telemetry systems. Water is pumped from the Rogue River and treated at the Water Filtration Plant. After treatment, water is pumped through the distribution system into a network of reservoirs located at various elevations throughout our community. This activity also supplies water to the North Valley Industrial Park through a pump station and reservoir dedicated for that purpose. All water produced in this activity meets or exceeds all State and Federal standards for drinking water quality.

FY'08 Anticipated Accomplishments:

Two or more influent pumps will be rebuilt. Staff will update and distribute the Consumer Confidence Report. An additional chlorimeter will be added to control pre-chlorination residuals in an effort to reduce the formation of disinfection by-products. Staff will be trained in additional laboratory testing and operational procedures to improve the efficiency and productivity of the treatment process. Additional security measures will be implemented to comply with the Treatment Plants Vulnerability Assessment.

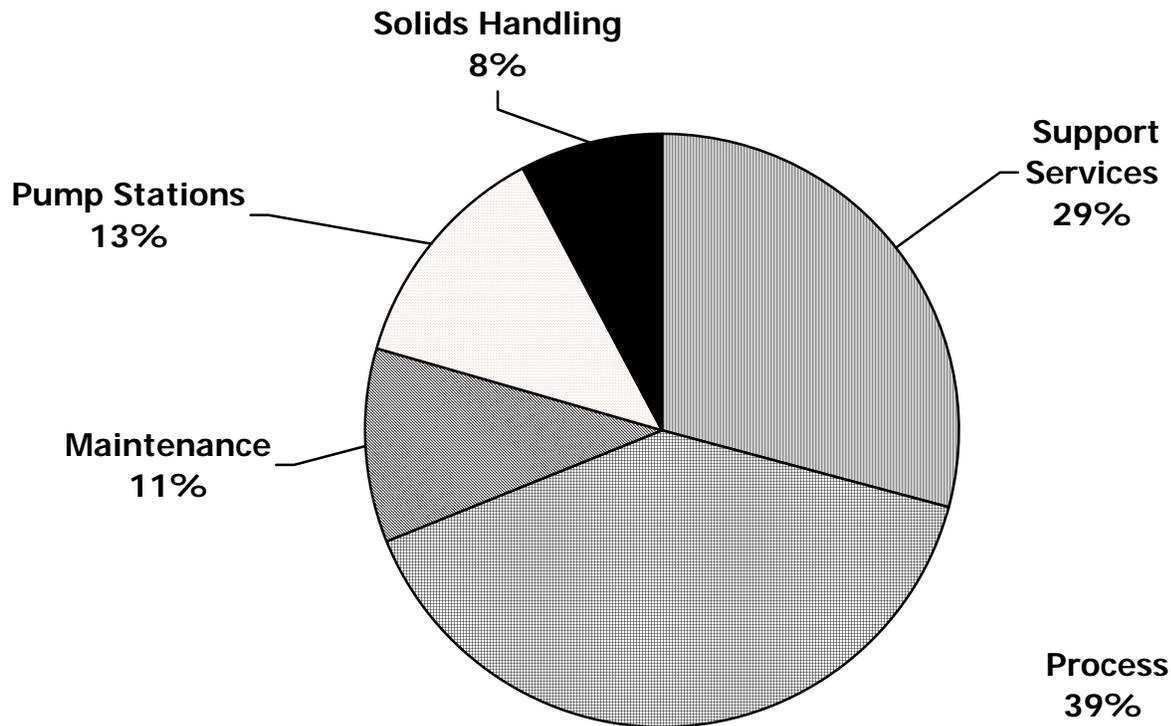
FY'08 Performance Measurements:

- Treated water will meet ALL State and Federal Standards 100% of the time. **Goal #IV**
- Target operation and maintenance cost of treated water will be around \$550 per 1,000,000 gallons produced. **Goal #VI**
- Water Booster Station outages will be repaired and placed back into service in less than three hours. **Goal #III**

Budget Highlights:

This activity will continue to supplement personal services through outside contracting for specialty projects or when dictated by necessity. Additional Part-Time Temporary Employees will be utilized to increase plant operational hours and run the solids program while limiting the need for additional FTE's. Staff will continue to look for ways to streamline plant processes and reduce the overall cost to produce its final product.

Water Treatment Programs



FY'07 Activity Review:

During the fiscal year 2006, 1.80 billion gallons of water was pumped into the distribution system by this activity; it is projected that just over 1.95 billion will be pumped in FY'07. Plant staff assisted in the completion of the very successful Intake Structure Upgrade Project, increasing future plant capacity and improving the fish screening capabilities of the City's structure. Plant staff implemented new laboratory procedures designed to aid in tracking the formation of disinfection by-products as well as improving treatment throughout the entire treatment train. New treatment plant chemicals were tested to better achieve water quality goals during challenging treatment conditions.

FY'07 Performance Indicators:

- Treated water will meet ALL State and Federal Standards 100% of the time. **Goal #IV Target met.**
- The operating & maintenance (O & M) cost of treated water will be less than \$550.00 per 1,000,000 gallons produced. **GOAL #VI Target not met.** *The cost was \$570.02 per 1,000,000 gallons – this is due to the high cost of operating the solids program (GeoTubes®, Contract Hauling, etc...)*
- Water Booster Station outages will be repaired and placed back into service in less than three hours. **GOAL #III Target met**

Program: Utilities/Water – Water Treatment Services

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL
	FY'05	FY'06	FY'07	RECOMMEND	APPROVED	ADOPTED
	\$	\$	\$	FY'08	FY'08	FY'08
Personal Services	426,022	399,690	424,856	460,425	460,425	460,425
Materials & Supplies	164,731	207,755	207,500	226,300	226,300	226,300
Contractual/Prof Services	357,114	383,287	519,425	548,993	548,993	548,993
Direct Charges	13,459	13,621	15,519	16,812	16,812	16,812
Capital Outlay	14,763	12,502	34,000	25,000	25,000	25,000
Transfers Out	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>
Total Expenses	<u>991,089</u>	<u>1,031,855</u>	<u>1,216,300</u>	<u>1,292,530</u>	<u>1,292,530</u>	<u>1,292,530</u>

Program: Utilities/Water – Water Treatment Services

Personnel

	ACTUAL FY'05 #	ACTUAL FY'06 #	BUDGET FY'07 #	MANAGER RECOMMEND FY'08 #	COMMITTEE APPROVED FY'08 #	COUNCIL ADOPTED FY'08 #
Public Works Director	1.00	1.00	1.00	1.00	1.00	1.00
Utility Plant Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
Treatment Plant Specialist	4.00	3.00	3.00	4.00	4.00	4.00
Office Assistant I	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>
Subtotal	7.00	6.00	6.00	7.00	7.00	7.00
Public Works Director						
TO: Water Distribution	(0.25)	(0.19)	(0.23)	(0.19)	(0.19)	(0.19)
TO: Wastewater Collection	(0.25)	(0.19)	(0.23)	(0.19)	(0.19)	(0.19)
TO: Wastewater Treatment	(0.25)	(0.19)	(0.23)	(0.19)	(0.19)	(0.19)
TO: Streets	0.00	0.00	0.00	(0.18)	(0.18)	(0.18)
TO: JO-GRO	(0.00)	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)
TO: Engineering	(0.00)	(0.19)	(0.00)	(0.00)	(0.00)	(0.00)
TO: Landfill	(0.00)	(0.01)	(0.01)	0.00	0.00	0.00
Treatment Plant Spec - Operations						
FROM: Wastewater Treatment	(0.50)	0.35	0.50	0.50	0.50	0.50
Treatment Plant Spec – Maintenance						
FROM: Wastewater Treatment	0.40	0.40	0.40	0.00	0.00	0.00
Office Assistant I						
TO: Water Distribution	(0.25)	(0.25)	(0.25)	(0.20)	(0.20)	(0.20)
TO: Wastewater Collection	(0.25)	(0.25)	(0.25)	(0.20)	(0.20)	(0.20)
TO: Wastewater Treatment	(0.25)	(0.25)	(0.25)	(0.20)	(0.20)	(0.20)
TO: Streets	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>(0.20)</u>	<u>(0.20)</u>	<u>(0.20)</u>
Subtotal	(1.60)	(0.83)	(0.61)	(0.61)	(0.61)	(1.11)
Total Full Time Positions	<u>5.40</u>	<u>5.17</u>	<u>5.39</u>	<u>5.89</u>	<u>5.89</u>	<u>5.89</u>
Part Time/Seasonal Hours	<u>1,000</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>

Capital Outlay/By Item:

Computers	6,000	2,500	2,500	2,500
Streaming Current Monitor	10,000	0	0	0
Chemical Feed Pumps	8,500	0	0	0
Outdoor Lighting Improvements	1,000	0	0	0
Pump Station Equipment Replace/Upgrade	<u>8,500</u>	<u>22,500</u>	<u>22,500</u>	<u>22,500</u>
Total Capital Outlay		<u>34,000</u>	<u>25,000</u>	<u>25,000</u>

Program: Utilities/Water – Water Distribution Services

Services Delivered:

Water Distribution is responsible for ensuring a consistently dependable supply of quality water for both domestic consumption and fire service protection. The services delivered in this activity are administered through performance of distinct programs consisting of customer service, water quality, service installation and maintenance, system maintenance, main and hydrant installation, and general operations.

The duties encompassed in these programs include water sampling, water system flushing, meter replacement, water service installation and repair, fire hydrant repair and inspection, backflow prevention inspection, water main repair, and customer concerns and requests. In addition, this activity provides support to both contractors involved in new construction and other City departments during their normal course of business.

FY'08 Anticipated Accomplishments:

Excellence in customer service and water quality shall remain the highest priorities in this activity. Particular attention shall continue to the annexation of two additional private water systems in the Redwood area during the period. The fire hydrant maintenance program shall continue. The residential meter replacement program shall also continue during the period. The relocation and adjustment of water services, fire hydrants, and valve boxes during various public road and sidewalk improvement projects shall also continue as needed.

FY'08 activities shall include the water system flushing in the intermediate segment of the distribution system. A utility administered contract for the testing and minor repair of single-family residential backflow devices shall continue in FY'08. Substandard galvanized and low flow copper water services shall be replaced when encountered. The replacement of residential water meters will continue in FY'08.

FY'08 Performance Measurements:

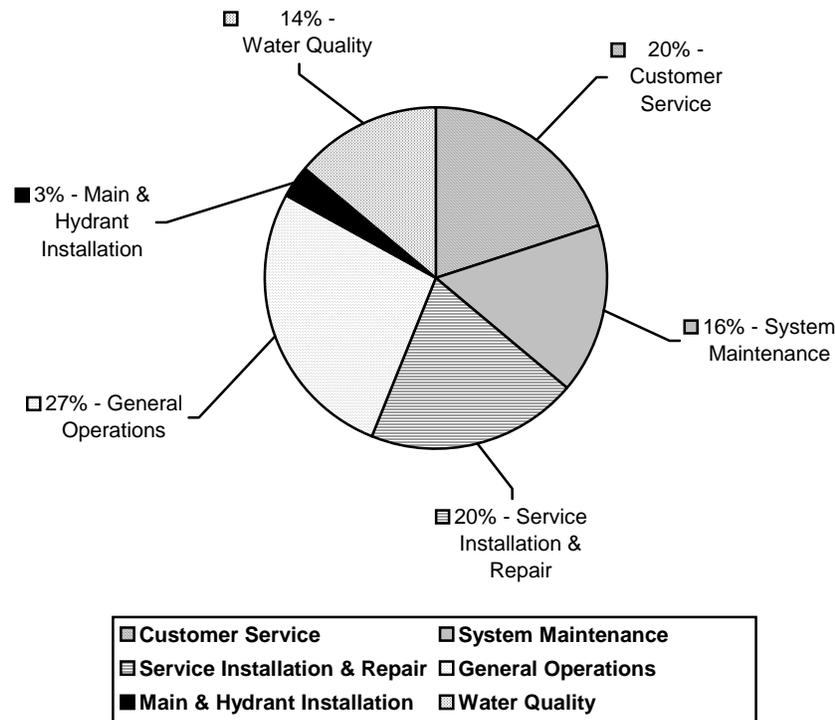
- Percentage of unaccounted water less than or equal to 8%. **Goal #IV**
- Feet of pipeline flushed per labor hour – 650 ft/hr. **Goal #IV**
- Average time for water service outage during emergency repairs – 1 hour. **Goal #III**

Budget Highlights:

Funding continues for a utility administered contract for single-family residential backflow testing and minor repair. Financial aid for backflow device and pressure regulator installations for homeowners within newly acquired systems shall continue. The replacement of residential water meters, an on-going program, continues to be funded together with seasonal employees, traditionally hired for the summer months to assist with special projects. Funding for the replacement and upgrade of an existing $\frac{3}{4}$ ton utility truck to a 1 ton model for use by water construction crews and replacement of computers in the budgets.

Program: Utilities/Water – Water Distribution Services

Program Allocations



FY'07 Activity Review:

The Raintree and Meadow Creek private water systems were successfully connected to the main public water system. The second round of contract testing for residential backflow devices was successfully completed during the period. New water services as of March 1, 2007 totaled 189, with 50 being installed by City crews. Water service replacements for the same period totaled 4. Water main repairs totaled 11 for the same period.

FY'07 Performance Indicators:

- Percentage of unaccounted water less than or equal to 8%. **Goal #IV Target met.**
- Feet of pipeline flushed per labor hour – 650ft/hr. **GOAL #IV Target met.** *1000 feet of pipeline flushed per labor hour.*
- 1 hour average time for service outage during emergency repairs: **GOAL #III Target met.**

Program: Utilities/Water – Water Distribution Services

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL
	FY'05	FY'06	FY'07	RECOMMEND	APPROVED	ADOPTED
	\$	\$	\$	FY'08	FY'08	FY'08
				\$	\$	\$
Personal Services	486,118	504,044	606,147	616,460	616,460	616,460
Materials & Supplies	92,989	79,319	90,850	88,350	88,350	88,350
Contractual/Prof Services	116,692	171,914	191,405	222,288	222,288	222,288
Direct Charges	34,581	34,449	37,068	38,058	38,058	38,058
Capital Outlay	54,793	69,150	115,000	57,500	57,500	57,500
Transfers Out	<u>8,400</u>	<u>21,500</u>	<u>1,500</u>	<u>11,000</u>	<u>11,000</u>	<u>11,000</u>
Total Expenses	<u>793,573</u>	<u>880,376</u>	<u>1,041,970</u>	<u>1,033,656</u>	<u>1,033,656</u>	<u>1,033,656</u>

Program: Utilities/Water – Water Distribution Services

Personnel

	ACTUAL FY'05 #	ACTUAL FY'06 #	BUDGET FY'07 #	MANAGER RECOMMEND FY'08 #	COMMITTEE APPROVED FY'08 #	COUNCIL ADOPTED FY'08 #
Utility Field Supervisor	1.00	1.00	1.00	1.00	1.00	1.00
Municipal Specialist	1.00	1.00	1.00	1.00	1.00	1.00
Municipal Service Worker	6.00	6.00	7.00	7.00	7.00	7.00
Office Assistant I	<u>0.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>
Subtotal	8.00	9.00	10.00	10.00	10.00	10.00
Public Works Director						
FROM: Water Treatment	0.25	0.19	0.23	0.193	0.19	0.19
Utility Field Supervisor						
TO: Wastewater Collection	(0.50)	(0.50)	(0.50)	(0.50)	(0.50)	(0.50)
Municipal Service Worker						
TO: Wastewater Collection	0.00	0.00	(0.50)	(0.50)	(0.50)	(0.50)
Office Assistant I						
TO: Waste Water Collection	0.00	(0.50)	(0.50)	(0.50)	(0.50)	(0.50)
Office Assistant I						
FROM: Water Treatment	<u>0.25</u>	<u>0.25</u>	<u>0.25</u>	<u>0.20</u>	<u>0.20</u>	<u>0.20</u>
Subtotal	0.00	(0.56)	(1.02)	(1.11)	(1.11)	(1.11)
Total Full Time Positions	<u>8.00</u>	<u>8.44</u>	<u>8.98</u>	<u>8.89</u>	<u>8.89</u>	<u>8.89</u>
Part Time/Seasonal Hours	<u>2,400</u>	<u>2,400</u>	<u>2,400</u>	<u>2,400</u>	<u>2,400</u>	<u>2,400</u>

Capital Outlay/By Item:

Reservoir #7 Land Payment	1,000	1,000	1,000	1,000
New Water Services	55,000	55,000	55,000	55,000
Security System - City Shops	3,000	0	0	0
Utilities	46,000	0	0	0
Traffic Message Board	6,000	0	0	0
Computers	<u>4,000</u>	<u>1,500</u>	<u>1,500</u>	<u>1,500</u>
Total Capital Outlay		<u>115,000</u>	<u>57,500</u>	<u>57,500</u>

Program: Utilities/Water – Customer Services

Services Delivered:

This activity includes billing services provided by the Administrative Services Department and Engineering Services from the Community Development Department.

FY'08 Anticipated Accomplishments:

The Customer Services activity will bill about 10,650 accounts monthly in FY'08 and maintain timely records. Information regarding water 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'08 Performance Measurements:

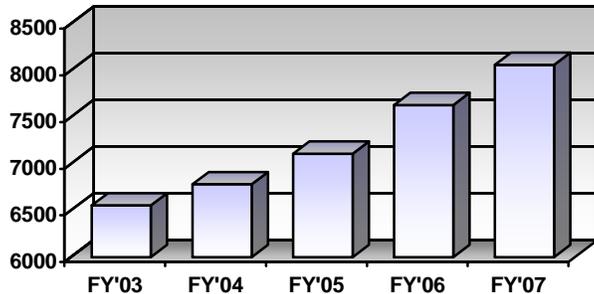
- A Water Quality Report will be issued to all water consumers. **Goal #IV.**
- Billings for newly established water service connections will begin within 30 days of service 90% of the time. **Goal #VI.**
- Fees and charges applicable to delinquent accounts will be reviewed for recovery of cost and recommendations presented to council for consideration. **Goal #VI.**
- All customer utility payments will be processed the day they are received. **Goal #VI.**

Budget Highlights:

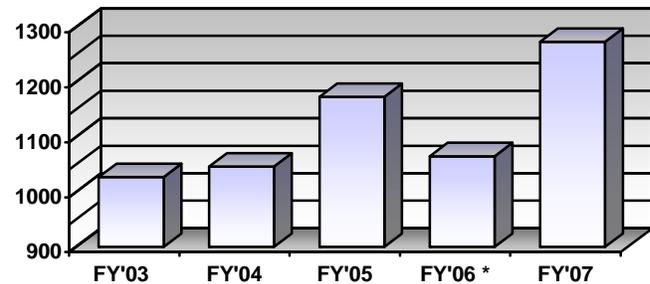
Monies have been appropriated for preparation and delivery of an annual Water Quality report to all consumers, a requirement mandated by EPA.

Program: Utilities/Water – Customer Services

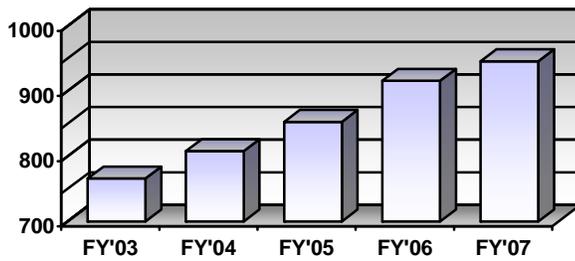
Number of RESIDENTIAL Accounts



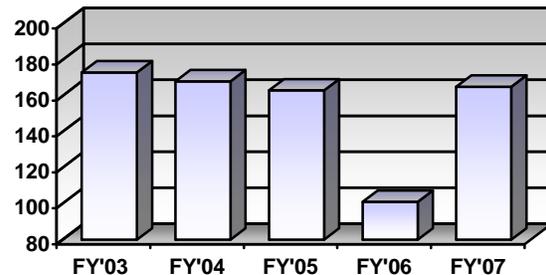
Number of COMMERCIAL Accounts



Number of MULTIFAMILY Accounts



Number of PUBLIC AGENCY Accounts



*Note: Historically irrigation was in the commercial class. As of FY'06 irrigation is counted in its appropriate class.

FY'07 Performance Indicators:

- A Water Quality Report will be issued to all water consumers. **Goal #IV Target met.**
- Billings for newly established water service connections will begin within 30 days of service 90% of the time. **Goal #VI Target met.**
- Utility billing will establish a relationship with US Bank in order to facilitate more timely processing of customer initiated on line banking payments **Goal #VI Target met.**
- All customer utility payments will be processed the day they are received. **Goal #VI Target met.**

Program: Utilities/Water – Customer Services

Financial Summary

	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL
Requirements	FY'05	FY'06	FY'07	RECOMMEND	APPROVED	ADOPTED
	\$	\$	\$	FY'08	FY'08	FY'08
				\$	\$	\$
Materials & Supplies						
Contractual/Prof Services	29,781	32,817	39,625	23,725	23,725	23,725
Direct Charges	<u>240,789</u>	<u>294,938</u>	<u>357,659</u>	<u>406,830</u>	<u>406,830</u>	<u>406,830</u>
Total Expenses	<u>270,570</u>	<u>327,755</u>	<u>397,284</u>	<u>430,555</u>	<u>430,555</u>	<u>430,555</u>

Program: Utilities/Water – Customer Services

Program: Utilities/Water – Debt Service

Services Delivered:

This activity accounts for the repayment of water bonds that were sold.

Budget Highlights:

The Debt Service schedule is in Appendix Q.

The Water Bond payment schedule is:

	FY'03	FY'04	FY'05	FY'06	FY'07	FY'08
August 1998 Issue						
Principal	255,000	265,000	280,000	295,000	305,000	320,000
Interest	<u>157,200</u>	<u>146,873</u>	<u>135,875</u>	<u>124,115</u>	<u>111,430</u>	<u>98,163</u>
	412,200	411,873	415,875	419,115	416,430	418,163
Total	<u>\$412,200</u>	<u>\$411,873</u>	<u>\$415,875</u>	<u>\$419,115</u>	<u>\$416,430</u>	<u>\$418,163</u>

The budget debt service differs from this schedule due to accruals.

Program: Utilities/Water – Debt Service

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL
	FY'05	FY'06	FY'07	RECOMMEND	APPROVED	ADOPTED
	\$	\$	\$	FY'08	FY'08	FY'08
Debt Service	<u>414,895</u>	<u>418,058</u>	<u>416,430</u>	<u>418,163</u>	<u>418,163</u>	<u>418,163</u>
Total Expenses	<u>414,895</u>	<u>418,058</u>	<u>416,430</u>	<u>418,163</u>	<u>418,163</u>	<u>418,163</u>

Program: Utilities/Water – General Program Operations

Services Delivered:

This activity accounts for expenses not associated specifically with any single water activity. It includes administrative overhead, transfers to capital projects, and a contingency.

Program: Utilities/Water – General Program Operations

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL
	FY'05	FY'06	FY'07	RECOMMEND	APPROVED	ADOPTED
	\$	\$	\$	\$	\$	\$
Materials & Supplies	0	0	100	100	100	100
Contractual/Prof Services	400	5,406	20,400	20,400	20,400	20,400
Contingencies	0	0	90,000	200,000	200,000	200,000
Indirect Charges	195,763	262,692	306,598	316,940	316,940	316,940
Transfers Out	1,312,000	790,000	1,375,000	550,000	550,000	550,000
Ending Balance	<u>387,857</u>	<u>629,371</u>	<u>17,339</u>	<u>63,070</u>	<u>63,070</u>	<u>63,070</u>
Total Expenses	<u>1,896,020</u>	<u>1,687,469</u>	<u>1,809,437</u>	<u>1,150,510</u>	<u>1,150,510</u>	<u>1,150,510</u>

Program: Utilities/Water – Debt Service Reserve Fund

Services Delivered:

This activity accounts for the reserve requirement mandated by the covenants of the General Revenue Bond sale completed August 1998. Ten percent of the bond sale proceeds, \$408,000, must be held in reserve for the life of the debt. Interest earnings on the reserved monies are available for general operations and will be applied to the semi-annual debt service payments.

Program: Utilities/Water – Debt Service Reserve Fund

Financial Summary

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL
	FY'05	FY'06	FY'07	RECOMMEND	APPROVED	ADOPTED
	\$	\$	\$	FY'08	FY'08	FY'08
Beginning Balance	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>
Total Resources	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>

Requirements	ACTUAL	ACTUAL	BUDGET	MANAGER	COMMITTEE	COUNCIL
	FY'05	FY'06	FY'07	RECOMMEND	APPROVED	ADOPTED
	\$	\$	\$	FY'08	FY'08	FY'08
Ending Balance	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>
Total Expenses	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>	<u>408,000</u>

Program: Utilities/Water – Capital Construction

Basic Functions:

This activity includes planning, engineering and all construction of major water system improvements.

Activity Highlights:

The water system includes the treatment plant, eight reservoirs, thirteen pump stations, and 105 miles of water mains. Major repairs and improvements to the water system are financed through this capital budget. The minor repairs to the system are financed through the operating activities.

This budget sets aside funds to provide City funding for extension and oversizing of lines required by the water system in excess of individual development project needs.

Budget Highlights:

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

The History through FY'05 column shows project costs through June 30, 2005. The FY'06 Actual column shows actual expenditures for the fiscal years July 1, 2005 through June 30, 2006. The Budget FY'07, Recommend FY'08, Approved FY'08, and Adopted FY'08 columns reflect the total amount of resources available or expected to be available to the project during the respective fiscal years.

Program: Utilities/Water – Capital Construction

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

	History Through FY'05	Actual FY'06	Budget FY'07	Recommend FY'08	Approved FY'08	Adopted FY'08
WA4201 Water Distribution Master Plan	183,957	30,806	45,866	(134)	(134)	(134)
WA4258 Fire Hydrant New Install	36,715	13,886	24,399	24,339	24,339	24,339
WA4372 RCC Technical Park	77,550	(770)	0	0	0	0
WA4469 Bulk Water Stations	39,822	(375)	0	0	0	0
WA4523 Redwood Avenue Loop	271,351	653	(4)	(4)	(4)	(4)
WA4526 Starlite Pump Station Upgrade	29,512	1,040	54,448	173,948	173,948	173,948
WA4693 Booster Station	3,025	3,957	38,018	23,018	23,018	23,018
WA4739 Foothill Zone 2 Loop - Ament Road	2,346	(2,346)	205,000	205,000	205,000	205,000
WA4740 Intake Structure Modifications	68,026	214,373	1,542,601	(399)	(399)	(399)
WA4742 Meadow Wood Reservoir No. 16 - Site Purchase	0	0	50,000	0	0	0
WA4808 4th Street Waterline (C Street - H Street)	1,936	13,642	89,422	15,422	15,422	15,422
WA4840 Beacon Zone 3 Waterline	0	0	75,000	0	0	0
WA4841 Small Main Replacement	0	0	50,000	100,000	100,000	100,000
WA4842 Solids Handling Evaluation	350	51,958	2,692	(308)	(308)	(308)
WA4863 Hilltop Pump Station	0	2,100	153,900	149,900	149,900	149,900
WA4874 Effluent Pump Energy Trust Repl. Grant	0	76,095	(815)	(815)	(815)	(815)
WA4892 Panoramic Loop Pump Station	0	30,730	19,270	270	270	270
WA4965 WTP Solids Handling	0	0	100,000	1,000,000	1,000,000	1,000,000
WA4966 Water Conservation & Mgmt Plan Updt	0	0	0	80,000	80,000	80,000
WA4967 Plant Landscaping	0	0	0	100,000	100,000	100,000
WA4968 Influent Pump VFD's	0	0	0	75,000	75,000	75,000
WA4969 Reservoir N0.3 Valve House/Overflow Renov.	0	0	0	35,000	35,000	35,000
WA4970 North Valley Pump Station Modification	0	0	0	25,000	25,000	25,000
WA4971 Meadow Wood Reservoir No. 16	0	0	0	0	0	0
WA4972 Sherman Ln 2" Main Replacement	0	0	0	50,000	50,000	50,000
WA5026 Leonard Road Water Line Loop 1	0	0	0	180,000	180,000	180,000
WA5027 Leonard Road Water Line Loop 2	0	0	0	145,000	145,000	145,000
WA5028 Water Main on Private Property	0	0	0	20,000	20,000	20,000
Fund 758 Miscellaneous Water Projects - General	4,322,348	263,308	1,789,018	1,061,018	1,061,018	1,061,018
Fund 759 Miscellaneous Water Projects - LID's	12,581	0	912	912	912	912
Fund 752 Miscellaneous Water Projects - SDC's	0	0	314,027	300,527	300,527	300,527
Fund 755 Miscellaneous Water Projects - AFD's	0	0	66,972	68,472	68,472	68,472
Total Projects	<u>5,049,519</u>	<u>699,057</u>	<u>4,620,726</u>	<u>3,831,226</u>	<u>3,831,226</u>	<u>3,831,226</u>

Program: Utilities/Water – Capital Construction

Financial Summary

	History Through FY'05	Actual FY'06	Budget FY'07	Recommend FY'08	Approved FY'08	Adopted FY'08
Beginning Fund Balance	<u>0</u>	<u>1,366,691</u>	<u>2,557,639</u>	<u>2,436,226</u>	<u>2,436,226</u>	<u>2,436,226</u>
Revenues:						
State Grant-Oregon Energy Trust	0	0	0	0	0	0
Federal Grant-Econ. Dev. Admin.	46,600	0	0	0	0	0
State Grant-Old Growth Diverse	6,000	0	0	0	0	0
SORED I GRANT-RCC Tech Park	6,684	0	0	0	0	0
SDC Revenues	1,562,442	264,002	33,750	35,250	35,250	35,250
SDC Reimbursement Fee	0	259,390	365,000	350,000	350,000	350,000
SDC - Improvement Fee	0	183,692	295,000	305,000	305,000	305,000
SDC - Admin Fee	0	7,002	11,550	11,500	11,500	11,500
SDC – various	0	55,472	29,287	12,750	12,750	12,750
Investment Interest	875,473	72,377	53,000	108,500	108,500	108,500
1998 Water Bond	58,750	0	0	0	0	0
Sale of assets (Land)	50,979	0	0	0	0	0
Contributions/Other	114,124	101,647	0	0	0	0
Advance Finance Revenues	399,353	176,423	90,000	90,000	90,000	90,000
Transfers from:	0	0	0	0	0	0
General Fund-General Program Ops	2,000	0	0	0	0	0
Lands & Buildings Cap Projects	313,800	0	0	0	0	0
Special Assessment Fund	0	0	0	0	0	0
Water Fund-General Program Ops.	2,923,304	755,000	1,170,500	467,000	467,000	467,000
WaterFund-Water Treatment	<u>56,700</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>	<u>15,000</u>
Sub-Total Revenues	<u>6,416,209</u>	<u>1,890,005</u>	<u>2,063,087</u>	<u>1,395,000</u>	<u>1,395,000</u>	<u>1,395,000</u>
Total Resources	<u>6,416,209</u>	<u>3,256,696</u>	<u>4,620,726</u>	<u>3,831,226</u>	<u>3,831,226</u>	<u>3,831,226</u>
Requirements						
Capital Outlay	5,049,519	699,057	2,184,500	2,299,000	2,299,000	2,299,000
Ending Fund Balance	<u>1,366,691</u>	<u>2,557,639</u>	<u>2,436,226</u>	<u>1,532,226</u>	<u>1,532,226</u>	<u>1,532,226</u>
Total Requirements	<u>6,416,209</u>	<u>3,256,696</u>	<u>4,620,726</u>	<u>3,831,226</u>	<u>3,831,226</u>	<u>3,831,226</u>

Program: Utilities/Water – Capital Construction

Project	WA4201	Water Distribution Master Plan
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Project Description

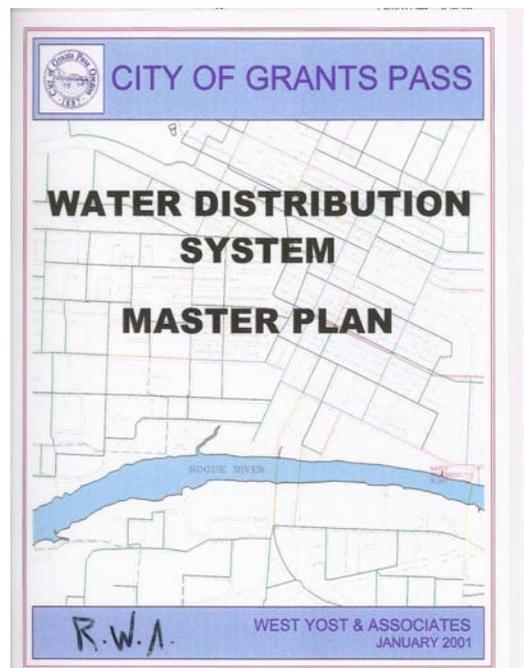
The current Master Plan has served the City for its 20-year life span. Changing economics, performance standards and growth patterns have made update of the Water Distribution Master Plan an imperative. Additional work will be done on an annual basis to update the Plan with projects completed and with minor revisions.

Need for Project

The Master Plan provides comprehensive guidance for improvement and expansion of the water distribution system.

Estimated Total Project Cost: \$260,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	260,000	Prior Years	184,000
		FY '06	30,000
		FY '07	46,000
		FY '08	0
	TOTAL	TOTAL	\$260,000



Program: Utilities/Water – Capital Construction

Project	WA4258	Fire Hydrant New Install
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Project Description

This project accumulates funds for the purchase of new fire hydrants when developments are connected to the municipal water system.

Need for Project

Because extended dry storage of new fire hydrants can cause serious deterioration to internal parts and consumes valuable storage space, hydrants provided by developers have been used for other projects. With a number of developments being connected to municipal water in the next two years, it is time to appropriate funds to replace these hydrants.

Estimated Total Project Cost: \$75,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	75,000	Prior Years	37,000
		FY '06	14,000
		FY '07	0
		FY '08	10,000
	TOTAL		TOTAL
	\$75,000		\$61,000



Program: Utilities/Water – Capital Construction

Project	WA4372	RCC Technical Park
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Project Description

This project will assist in the installation of 16-inch DI water main in Hubbard Lane, a new booster station to be built near Redwood Highway and Hubbard Lane, installation of 20-inch DI water main to a new water reservoir (Reservoir No. 12) to be located on or near the RCC campus, and additional 12-inch DI water main to serve the RCC campus.

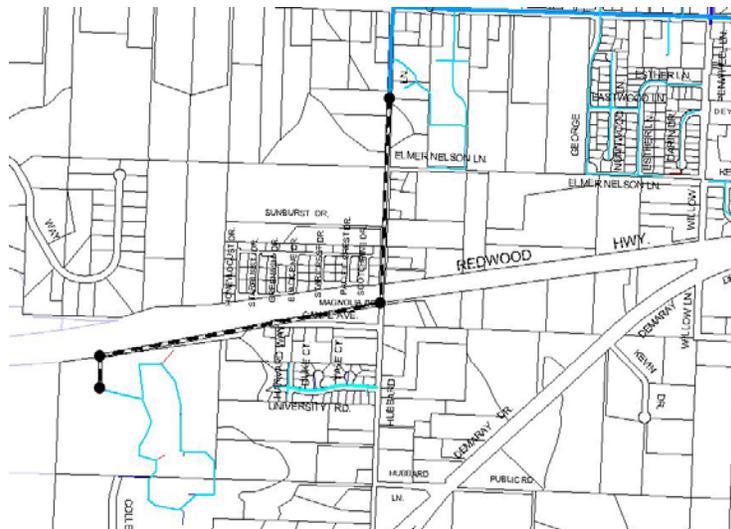
The project received grant funding. Utility funds may be used to repay the grants.

Need for Project

The water mains, reservoir and booster station will be required to provide domestic and fire flows to the RCC campus and the technical park. The project will be postponed.

Estimated Total Project Cost: \$2,657,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	12,500	Prior Years	77,000
General Fund	2,000	FY '06	0
OECD Grant	6,000	FY '07	0
Grant (Federal)	46,600	FY '08	0
Regional Investment Grant	6,600		
Contribution (RCC)	3,000		
	TOTAL	\$76,700	TOTAL
			\$77,000



Program: Utilities/Water – Capital Construction

Project	WA4469	Bulk Water Stations
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Project Description

This project was to install three bulk water stations for water sales.

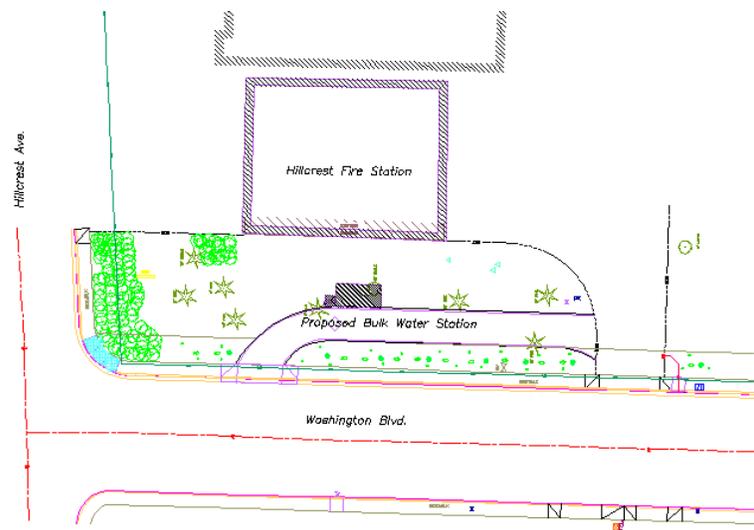
Need for Project

The original City bulk water station is located at the Hillcrest Fire Station. Trucks loading bulk water interfere with training activities at the fire station. The existing bulk water station relies on the honor system for customer reporting of water purchased.

This project was originally intended to construct three bulk water stations in different sectors of the service area to provide more convenient locations to water customers. A station at the junction of New Hope Road and Williams Highway was completed in FY'04. Coins and debit cards may be used for water purchases. Due to other capital project priorities, installation of additional bulk water stations has been canceled.

Estimated Total Project Cost: \$40,000

Funding Sources		Project Expenses by Budget Year		
Water Capital Projects	40,000	Prior Years		40,000
		FY '06		0
		FY '07		0
		FY '08		0
	TOTAL	\$40,000	TOTAL	\$40,000



Program: Utilities/Water – Capital Construction

Project	WA4523	Redwood Avenue Loop
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Project Description

This project installed 1300 feet of 16-inch ductile iron water main in Redwood Avenue between George Tweed Boulevard and Darneille Lane.

Need for Project

This project enabled the connection of a City-owned community well system, Starview Estates, and a privately owned community well system to the public water supply, adding a significant number of customers to the municipal water system. Fire flows are provided, greatly enhancing the level of protection for these residences.

Estimated Total Project Cost: \$272,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	272,000	Prior Years	271,000
		FY '06	1,000
		FY '07	0
		FY '08	0
	TOTAL	TOTAL	\$272,000



Program: Utilities/Water – Capital Construction

Project	WA4526	Starlite Pump Station Upgrade
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Project Description

This project will upgrade pumps and install backup emergency power generator.

Need for Project

This project will reliably provide fire flows from Starlite Pump Station and provide emergency backup power in accordance with current water standards.

Estimated Total Project Cost: \$210,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	210,000	Prior Years	29,500
		FY '06	1,000
		FY '07	5,500
		FY '08	174,000
	TOTAL	\$210,000	TOTAL
			\$210,000



Program: Utilities/Water – Capital Construction

Project	WA4693	Booster Station Pump and Motor Rebuilds
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Project Description

This project will accumulate funds to allow the planned or emergency replacement of pumps, motors and associated controls in the City's water pressure booster stations.

Need for Project

As the booster stations age, it will become necessary to replace worn-out pumps and motors with new equipment. Additionally, pumps will be changed out over a period of time to allow standardization of spare parts.

Estimated Total Project Cost: \$15,000 per year

Funding Sources		Project Expenses by Budget Year	
Water Treatment Plant Operations	45,000	Prior Years	3,000
		FY '06	5,000
		FY '07	15,000
		FY '08	0
TOTAL	\$45,000	TOTAL	\$23,000



Program: Utilities/Water – Capital Construction

Project	WA4739	Foothill Zone 2 Loop – Ament Road
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Project Description

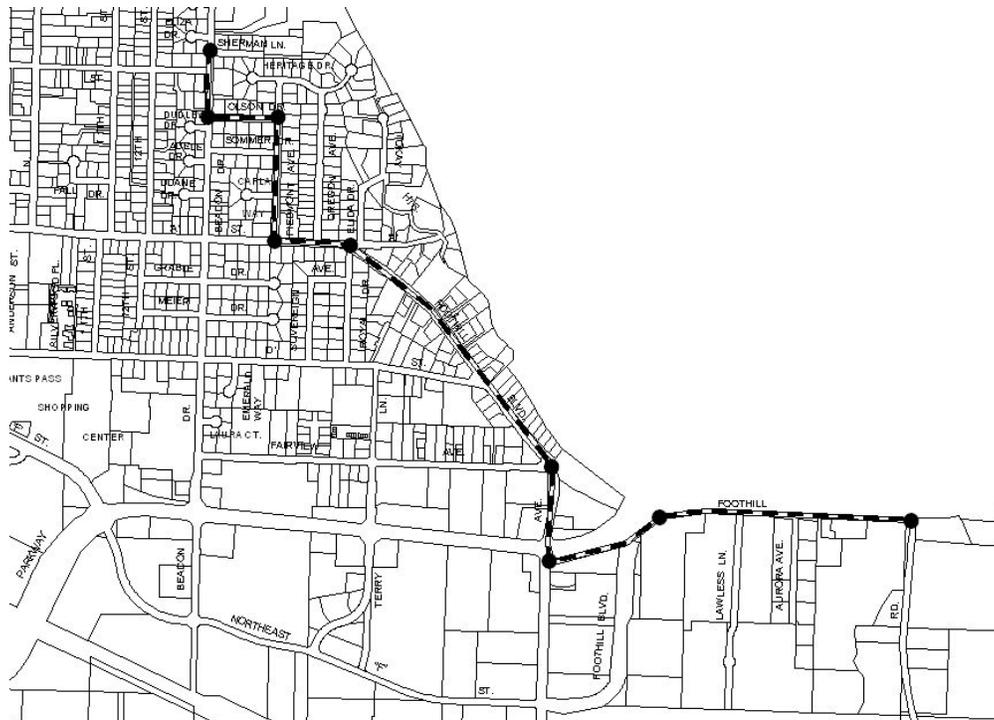
This project will install approximately 8,300 LF of 12-inch DI water main from the Madrone booster station to Ament Road.

Need for Project

A number of water system customers along the west edge of I-5 are being served by Pressure Zone 1, when they would be more appropriately served by Zone 2 pressures. In addition, for industrial development to occur in the eastern portion of the City and Urbanizing Area, Zone 2 water must be made available. The actual construction will not occur until FY'09, depending on funding

Estimated Total Project Cost: \$1,100,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	1,100,000	Prior Years	2,500
		FY '06	(2,500)
		FY '07	0
		FY '08	200,000
	TOTAL \$1,100,000	TOTAL	\$200,000



Program: Utilities/Water – Capital Construction

Project	WA4740	Intake Structure Modifications
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Project Description

This project will modify the existing intake structure to meet regulatory requirements and to provide added capacity needed for future plant expansion. Work will include predesign, permitting, final design and construction. Before pre-design work begins, a consulting firm will be recruited to evaluate the feasibility of constructing a whitewater park in the vicinity of the Water Treatment Plant.

Need for Project

The existing Rogue River intake does not comply with current Endangered Species Act regulations to protect juvenile fish due to high approach velocities and screen deficiencies.

Estimated Total Project Cost: \$1,825,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	20,000	Prior Years	68,000
Water SDCs	1,805,000	FY '06	214,000
		FY '07	1,543,000
		FY '08	0
	TOTAL \$1,825,000	TOTAL	\$1,825,000



Program: Utilities/Water – Capital Construction

Project	WA4742	Meadow Wood Reservoir No. 16 – Site Purchase
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Project Description

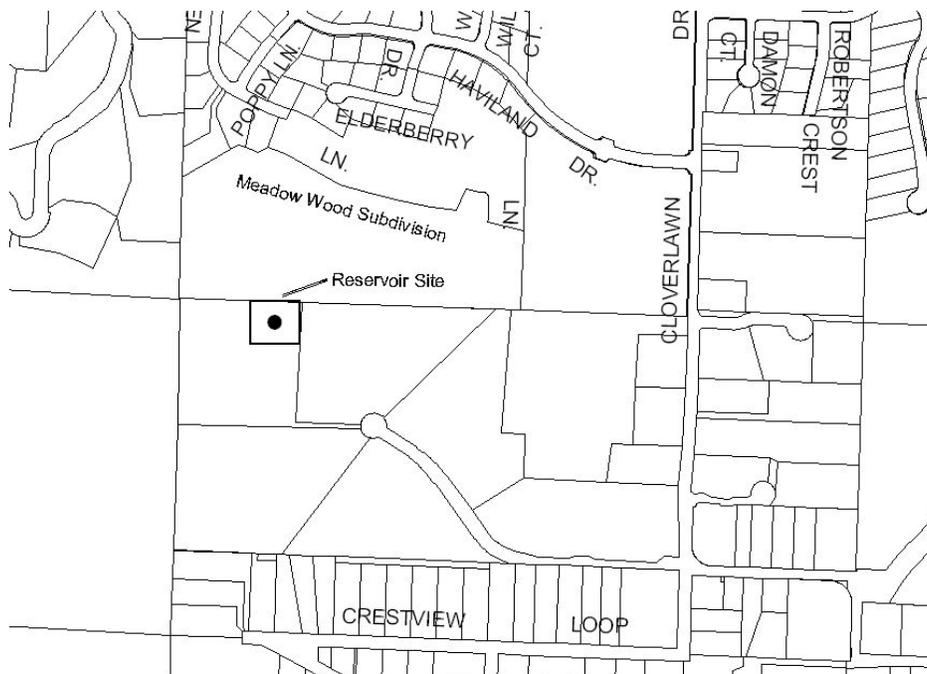
This project would fund the purchase of approximately one-quarter acre of land to serve as a future Zone 2 reservoir site (Reservoir No. 16).

Need for Project

The Water Distribution Master Plan calls for the future construction of a water reservoir to serve Zone 2 water customers in the southeast portion of the City. The site must be located at the proper elevation and within a reasonable distance of the water system. There are very few undeveloped properties available that can meet the necessary criteria. Purchase in the near future will be necessary to avoid the need to condemn an already developed parcel at a greatly increased price.

Estimated Total Project Cost: \$50,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	50,000	Prior Years	0
		FY '06	0
		FY '07	50,000
		FY '08	0
	TOTAL	TOTAL	\$50,000



Program: Utilities/Water – Capital Construction

Project	WA4808	4th Street. Waterline (“C” Street – “H” Street)
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Project Description

This project will install 300 feet of new 8-inch water main from 6th Street East to existing fire service for the Grants Pass Shopping Center.

Need for Project

The 12-inch line that runs under the Caveman Plaza is failure prone resulting in both recent property damage and possible future occurrences.

Estimated Total Project Cost: \$120,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	120,000	Prior Years	2,000
		FY '06	14,000
		FY '07	89,000
		FY '08	15,000
	TOTAL	TOTAL	\$120,000
	\$120,000		



Program: Utilities/Water – Capital Construction

Project	WA4840	Beacon Zone 3 Waterline
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Project Description

The City portion of this project will install a pressure reducing valve assembly and 481 LF of 12-inch DI water main from the Hefley booster station south on Beacon Drive. The developer will be required to install 669 LF of 12-inch DI main to reach the south border of the Tall Cedars Subdivision development.

Need for Project

Most of the water system customers on Talbot Drive and several customers on the upper (east) end of View Drive must be served by individual pressure booster pumps. This waterline extension would allow new development (Tall Cedars) without requiring booster pumps for each house, and facilitate improvement of the service provided to Talbot Drive and View Drive in the near future.

Estimated Total Project Cost: \$160,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	160,000	Prior Years	0
		FY '06	0
		FY '07	160,000
		FY '08	0
TOTAL	\$160,000	TOTAL	\$160,000



Program: Utilities/Water – Capital Construction

Project	WA4841	Small Main Replacement
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Project Description

This is an ongoing program to replace old, undersized cast iron water mains. As funds are available, this project will continue on a yearly basis.

Need for Project

The mains to be replaced do not meet adopted water service standards. Fire flow capacity is not provided and there is a relatively high rate of leak repairs. The pipes are typically clogged with rust or hardness deposits producing low delivery pressures during use. As a specific location and cost is identified, a capital project will be created to track the specific costs.

Estimated Total Project Cost: \$50,000 per year

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	100,000	Prior Years	0
		FY '06	0
		FY '07	0
		FY '08	50,000
TOTAL	\$100,000	TOTAL	\$50,000



Program: Utilities/Water – Capital Construction

Project	WA4842	Solids Handling Evaluation
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Project Description

This project will provide an evaluation of the solids handling processes at the Water Treatment Plant. This evaluation will result in an implementation plan for a recommended solids handling alternative (the solids are a combination of suspended matter from the Rogue River and the chemicals used to remove the solids during the treatment process).

Need for Project

The City now has the capability of dredging the “log pond” for removal of accumulated solids. The solids must then be dewatered prior to hauling them away. Currently, the City relies on fabric “Geo-Tubes” for this purpose. The tubes are expensive and are single-use. Considerable time is required to properly fill the tubes, wait for the dewatering process to proceed, and to haul away the thickened solids.

In an effort to reduce operating costs, alternative methods for solids handling, both in the Treatment Plant and at the log pond must be explored.

Estimated Total Project Cost: \$55,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	55,000	Prior Years	0
		FY '06	52,000
		FY '07	3,000
		FY '08	0
	TOTAL	TOTAL	\$55,000



Program: Utilities/Water – Capital Construction

Project: WA4863 Hilltop Fire Pump Upgrade

Project Description

This project consists of installing a tri-plex fire pumping configuration at the existing Hilltop Pump Station located at 1202 Hilltop Drive. Additionally, this project includes installing a back-up generator at this station.

Need for Project

Currently, the Hilltop fire pump is incapable of serving fire flows per the Oregon Fire Code. This upgrade will bring the station up to code and provide the capability to feasibly upgrade with even more flow should larger scale development require it (homes in excess of 3600 sq ft).

The installation of a generator at the pump station will provide redundant power which it currently does not have. Since there is no reservoir for this pressure zone, any loss of power would result in loss of service and possible contamination of the City's water system.

The bid costs were significantly higher than the estimate. Staff will review other options.

Estimated Total Project Cost: \$ unknown

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	306,000	Prior Years	0
		FY '06	2,000
		FY '07	154,000
		FY '08	150,000
TOTAL	\$306,000	TOTAL	\$306,000



Program: Utilities/Water – Capital Construction

Project: WA4874 Effluent Pump Energy Trust Replacement

Project Description

This project will replace two 300 HP pumps and motors with new 250 HP energy efficient pumps and motors, upgrade their controls and install them at the City’s Water Filtration Plant effluent pump station.

Need for Project

In 2004 BacGen Corporation, working for the Oregon Energy Trust, performed an energy audit of the City of Grants Pass’ Water Filtration Plant. They found the effluent pump station was consuming electricity far in excess of what was required to distribute the volume of water produced. The City received a grant in the form of materials to replace two of the treatment plants primary effluent pumps with two new, more electrically efficient models. City costs are for concrete bases, piping modifications, control modifications, and electrician wages to disconnect, reconfigure existing controls and reconnect the new pumps and motors.

Estimated Total Project Cost: \$76,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	76,000	Prior Years	0
Grant Oregon Energy Trust	0	FY '06	76,000
		FY '07	0
		FY '08	0
TOTAL	\$76,000	TOTAL	\$76,000



Program: Utilities/Water – Capital Construction

Project	WA4892	Panoramic Loop Pump Station
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Project Description

Installation of City required upgrades to the recently installed Panoramic Loop Pump Station. These upgrades include modifications to the PLC programming to facilitate connection to the City's SCADA network and piping modifications to allow for more flexible operation of the pumps and station. Because of identified station deficiencies during start-up, many of these expenditures will be reimbursed by the system supplier at project close.

Need for Project

These items complete necessary upgrades to ensure connectivity to the City's SCADA network. Reworks programming and piping to better conform to other City pump stations.

Estimated Total Project Cost: \$50,000

Funding Sources		Project Expenses by Budget Year		
Water Capital Projects	50,000	Prior Years	0	
		FY '06	31,000	
		FY '07	19,000	
		FY '08	0	
	TOTAL	\$50,000	TOTAL	\$50,000



Program: Utilities/Water – Capital Construction

Project	WA4965	WTP Solids Handling
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Project Description

Implement a permanent solids handling solution at the City's WTP. This project will include sludge collectors in the sedimentation basins, solids dewatering and chemical feed equipment. This in phase 1 of the improvements needed.

Need for Project

To project will provide a permanent solids handling solution for the WTP.

Estimated Total Project Cost: \$2,500,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	350,000	Prior Years	0
Water SDC's	750,000	FY '06	0
		FY '07	100,000
		FY '08	1,000,000
	TOTAL	TOTAL	\$1,100,000
	\$1,100,000		



Program: Utilities/Water – Capital Construction

Project	WA4966	Water Conservation and Management Plan Update
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Project Description

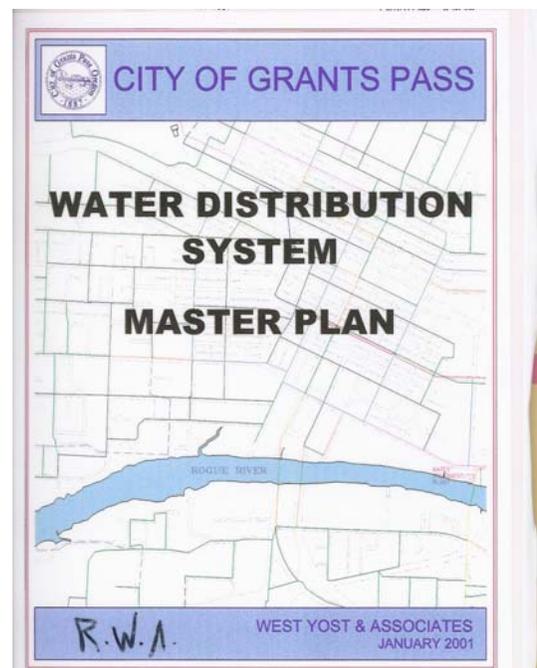
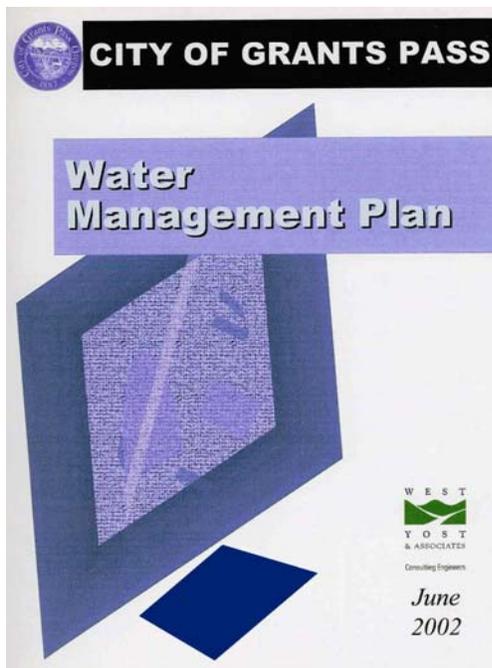
This project will update the City's Water Conservation and Management Plan and the Water Distribution System Master Plan. The Water Conservation and Management Plan was adopted in February 2003 with the provision it would be updated and resubmitted to the Oregon Water Resources Department within 5 years of approval.

Need for Project

The Water Conservation and Management Plan is used to identify and analyze water supply and demand issues facing the City. The Plan was submitted as Water Resources rules were being changed. The plan must now be updated to reflect current policy and resubmitted for approval.

Estimated Total Project Cost: \$80,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	80,000	Prior Years	0
		FY '06	0
		FY '07	0
		FY '08	80,000
	TOTAL	\$80,000	TOTAL
			\$80,000



Program: Utilities/Water – Capital Construction

Project	WA4967	Plant Landscaping
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Project Description

A low water use demonstration garden is currently under design. This project will construct the garden on the plant site to showcase drought tolerant plants and water miser irrigation systems. With the garden, literature will be made available to further educate citizens on the advantages of low water use landscaping.

Need for Project

The water conservation plan commits the City to the installation of a low water use demonstration garden constructed on the plant site for educational purposes. This is to comply with the City's Water Conservation and Management Plan which was approved by the Oregon Water Resources Department in February 2003.

Estimated Total Project Cost: \$100,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	100,000	Prior Years	0
		FY '06	0
		FY '07	0
		FY '08	100,000
	TOTAL	TOTAL	\$100,000



Program: Utilities/Water – Capital Construction

Project	WA4968	Influent Pump VFD's
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Project Description

This project will install 4 variable frequency drives, associated controls and programming for the WTP influent pumps.

Need for Project

The VFD's will allow for the manipulation of influent pumping rates allowing smoother operation of the Plant filters. This will result in more plant production efficiency and less peak power consumption.

Estimated Total Project Cost: \$75,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	75,000	Prior Years	0
		FY '06	0
		FY '07	0
		FY '08	75,000
	TOTAL		TOTAL
	\$75,000		\$75,000



Program: Utilities/Water – Capital Construction

Project	WA4969	Reservoir No. 3 Valve House/Overflow Renovation
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Project Description

This project will repair extensive defects in the valve house roof for Reservoir No. 3. In addition it will repair existing hatches to make them more sanitary and in compliance with current reservoir guidelines. Also, the overflow/drain line will be modified to bring it into compliance with current drinking water program standards.

Need for Project

Reservoir No. 3 currently has several defects requiring attention to ensure the reservoir will be in good working order for many years to come.

Estimated Total Project Cost: \$35,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	35,000	Prior Years	0
		FY '06	0
		FY '07	0
		FY '08	35,000
	TOTAL	\$35,000	TOTAL
			\$35,000



Program: Utilities/Water – Capital Construction

Project	WA4970	North Valley Pump Station Modifications
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Project Description

This project will upgrade the pumps and controls for the anticipated increased water consumption related to the Paradise Ranch Destination Resort.

Need for Project

The projected water consumption for the Paradise Ranch Destination Resort is more than the current firm capacity of the pump station. Increasing the flow of the pump station to firm capacity of 1000 GPM will ensure uninterrupted operation to the entire North Valley service area.

Estimated Total Project Cost: \$25,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	10,000	Prior Years	0
Water Treatment Plant Operations	15,000	FY '06	0
		FY '07	0
		FY '08	25,000
TOTAL	\$25,000	TOTAL	\$25,000



Program: Utilities/Water – Capital Construction

Project	WA4971	Meadow Wood Reservoir No. 16
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Project Description

Build a new 600,000 gallon water reservoir as identified in the Water Distribution Master Plan.

Need for Project

The Water Distribution Master Plan calls for a new reservoir to serve Zone 2 customers in the southeast portion of the City. This project will be postponed.

Estimated Total Project Cost: \$1,050,000

Funding Sources		Project Expenses by Budget Year	
Water SDCs	0	Prior Years	0
		FY '06	0
		FY '07	0
		FY '08	0
	TOTAL	TOTAL	\$0

Program: Utilities/Water – Capital Construction

Project	WA4972	Sherman Lane 2” Main Replacement
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Project Description

This project will replace approximately 500 linear feet of old 2-inch water main in Sherman Lane with standard 8-inch ductile iron pipe.

Need for Project

This is part of an ongoing program to replace old deficient 2-inch water mains. The water utility has been investing approximately \$50,000 to replace the 2-inch lines.

Estimated Total Project Cost: \$ 50,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	50,000	Prior Years	0
		FY '06	0
		FY '07	50,000
		FY '08	0
	TOTAL	TOTAL	\$50,000



Program: Utilities/Water – Capital Construction

Project	WA5026	Leonard Road Water Line Loop 1
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Project Description

This project will consist of installing 1,800 feet of 12-inch water line in Leonard Road between Arch Court and Willow Lane.

Need for Project

Water line looping improves area wide fire flows, water quality, and system dependability. Installation of this segment of water line will enable the connection of three existing “dead end” water lines at intersections of Willow, Angler, and Kokanee Lanes.

Estimated Total Project Cost: \$180,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	180,000	Prior Years	0
		FY '06	0
		FY '07	0
		FY '08	180,000
	TOTAL	TOTAL	\$180,000



Program: Utilities/Water – Capital Construction

Project	WA5027	Leonard Road Water Line Loop 2
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Project Description

This project will consist of installing 1,450 feet of 12-inch water line in Leonard Road between Willow Lane and Devonshire Way.

Need for Project

Water line looping improves area wide fire flows, water quality, and system dependability.

Estimated Total Project Cost: \$145,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	145,000	Prior Years	0
		FY '06	0
		FY '07	0
		FY '08	145,000
	TOTAL	TOTAL	\$145,000



Program: Utilities/Water – Capital Construction

Project	WA5028	Water Main in Private Property
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Project Description

This project will replace the water main through private property with a line in the public right of way.

Need for Project

The public water main south of “F” Street between Beacon and Parkway is located under existing buildings. This makes it very difficult to manage the line and protect the private property. This project will move that line into the road right of way.

Estimated Total Project Cost: \$20,000

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	20,000	Prior Years	0
		FY '06	0
		FY '07	0
		FY '08	20,000
	TOTAL	TOTAL	\$20,000



Program: Utilities/Water – Capital Construction

Project	WA0000	Fund 752	Water System Development Charges
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Project Description

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

Need for Project

Since the establishment of the Water 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.

Funding Sources		Project Expenses by Budget Year	
Water System Development Charges	3,860,000	Prior Years	1,405,000
		FY '06	500,000
		FY '07	905,000
		FY '08	750,000
	TOTAL	TOTAL	\$3,560,000
	\$3,860,000		



Program: Utilities/Water – Capital Construction

Project	WA0000	Fund 755 Water Advanced Financing
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Project Description

This project is used by our accounting function to account for all funds reimbursed to the water 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.

Funding Sources FY'06/FY'07/FY'08		Project Expenses by Budget Year	
Balance Forward	26,000	FY '06	140,000
Advanced Financing/Interest	356,000	FY '07	90,000
Investment Interest	3,000	FY '08	90,000
	TOTAL		TOTAL
	\$385,000		\$320,000

Program: Utilities/Water – Capital Construction

Project	WA0000	Fund 758 Miscellaneous Water Projects
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Project Description

This project accounts for small miscellaneous projects, closed projects and projects that are in the process of starting up. System Development Charges and reimbursements for Advance Financing Districts are also reported here and then transferred to the appropriate project. Fund balances and miscellaneous expenditures that are not attributable to a specific project are accounted for in this project. Resources from a large variety of sources are distributed from this project to other active projects.

Need for Project

This project allows for tracking of fund balances and miscellaneous expenditures.

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

Funding Sources FY'06 - FY'08		Project Expenses by Budget Year	
Balance forward	400,000	FY '06	872,000
Investment Interest	172,000	FY '07	29,000
General Program-Water	2,407,000	FY '08	1,385,000
Advance Financing	320,000		
Other	40,000		
	TOTAL		TOTAL
	3,339,000		\$2,286,000

Program: Utilities/Water – Capital Construction

Project	WA0000	Fund 759 Miscellaneous Water Projects L.I.D s
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Project Description

This project accounts for the distribution of funds to various Local Improvement District projects. Funds are allocated as the districts are formed.

Need for Project

The need for each individual project is determined by property owner petitions for improvements to be made through a local improvement district.

Estimated Total Project Cost: Costs vary depending on petitions for LID s from citizens.

Funding Sources		Project Expenses by Budget Year	
Water Capital Projects	12,000	Prior Years	12,000
Special Assessments		FY '06	0
		FY '07	0
		FY '08	0
	TOTAL		TOTAL
	\$12,000		\$12,000