
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 180 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 major rehabilitation of the water treatment plant, pump stations, water storage reservoirs and the distribution system.

Budget Highlights:

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

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

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

Program: Utilities/Water – Capital Construction

ALL ACTIVE CAPITAL PROJECT RESOURCES

	Actual Through FY'11	Revised FY'12	Adopted FY'13	Total Through FY'13	Future Years	Total Project
WA0000 Miscellaneous Water Projects - SDC's (752)	400,409	161,484	4,000	565,893	(1,294,000)	(728,107)
WA0000 Miscellaneous Water Projects - AFD's (755)	44,173	1,500	(45,673)	0	0	0
WA0000 Miscellaneous Water Projects - General (758)	402,321	(224,330)	87,958	265,949	(3,835,999)	(3,570,050)
WA0000 Miscellaneous Water Projects - LID's (759)	13,539	0	(958)	12,581	0	12,581
WA4526 Starlite Pump Station Upgrade	210,000	35,000	0	245,000	0	245,000
WA4693 Booster Station Pump and Motor Rebuilds	105,000	0	5,000	110,000	50,000	160,000
WA4742 Meadow Wood Reservoir No. 16 - Site Purchase	113,000	(3,000)	0	110,000	240,000	350,000
WA4841 Small Main Replacement	260,000	0	50,000	310,000	150,000	460,000
WA4965 WTP Solids Handling	1,200,000	(572,000)	0	628,000	2,872,000	3,500,000
WA4966 Water Conservation & Mgmt Plan Updt	50,000	0	0	50,000	0	50,000
WA4971 Meadow Wood Reservoir No. 16	50,000	(50,000)	0	0	1,540,000	1,540,000
WA5028 Water Main on Private Property	50,000	0	0	50,000	0	50,000
WA5094 Water Distribution System Master Plan Update	120,000	0	20,000	140,000	0	140,000
WA5096 WTP Structural Repairs	210,000	90,000	50,000	350,000	270,000	620,000
WA6000 MSA Task Order #1	60,000	0	20,000	80,000	70,000	150,000
WA6001 Water Main Looping	35,000	20,000	0	55,000	670,000	725,000
WA6002 WTP Facility Plan Update	100,000	100,000	100,000	300,000	0	300,000
WA6052 Reservoir No. 3 Upgrades	123,000	500,000	5,700,000	6,323,000	250,000	6,573,000
WA6057 Backwash Pump Redundancy	150,000	359,000	0	509,000	0	509,000
WA6058 Water System Security Projects	20,000	20,000	10,000	50,000	60,000	110,000
WA6059 Pump Station Repairs	25,000	0	0	25,000	80,000	105,000
WA6122 WTP Emergency Generator	0	250,000	0	250,000	0	250,000
NEW PROJECTS						
WA6167 D & E & Dimmick Water Main Abandonment	0	0	155,000	155,000	0	155,000
WA6168 WTP Exterior Repairs & Painting	0	0	110,000	110,000	50,000	160,000
Total Projects	<u>3,741,442</u>	<u>687,654</u>	<u>6,265,327</u>	<u>10,694,423</u>	<u>1,172,001</u>	<u>11,866,424</u>

ALL CLOSED OR CANCELLED CAPITAL PROJECT RESOURCES

WA4258 Fire Hydrant New Install	75,000	(17,869)	0	57,131	0	57,131
WA6060 Solids Handling Pads WTP, Pond, & JO-GRO™	0	0	0	0	0	0
WA6121 Disinfection Byproducts	0	50,000	0	50,000	0	50,000
Total Closed Projects	<u>75,000</u>	<u>32,131</u>	<u>0</u>	<u>107,131</u>	<u>0</u>	<u>107,131</u>
Grand Total - All Projects	<u>3,816,442</u>	<u>719,785</u>	<u>6,265,327</u>	<u>10,801,554</u>	<u>1,172,001</u>	<u>11,973,555</u>

Program: Utilities/Water – Capital Construction

ALL ACTIVE CAPITAL PROJECT SUMMARIES FOR FY'13

	Adopted FY'13 Beginning Fund Balance	Adopted FY'13 Revenue	Adopted FY'13 Capital Outlay	Adopted FY'13 Transfers	Adopted FY'13 Appropriated Fund Balance
WA0000 Miscellaneous Water Projects - SDC's (752)	156,893	4,000	0	0	160,893
WA0000 Miscellaneous Water Projects - AFD's (755)	45,673	(45,673)	0	0	0
WA0000 Miscellaneous Water Projects - General (758)	72,962	87,958	0	0	160,920
WA0000 Miscellaneous Water Projects - LID's (759)	958	(958)	0	0	0
WA4526 Starlite Pump Station Upgrade	73,095	0	73,095	0	0
WA4693 Booster Station Pump and Motor Rebuilds	25,411	5,000	30,411	0	0
WA4742 Meadow Wood Reservoir No. 16 - Site Purchase	35,996	0	35,996	0	0
WA4841 Small Main Replacement	46,173	50,000	96,173	0	0
WA4965 WTP Solids Handling	30,394	0	30,394	0	0
WA5028 Water Main on Private Property	20,812	0	20,812	0	0
WA5094 Water Distribution System Master Plan Update	75,000	20,000	95,000	0	0
WA5096 WTP Structural Repairs	0	50,000	50,000	0	0
WA6000 MSA Task Order #1	10,000	20,000	30,000	0	0
WA6001 Water Main Looping	45,000	0	45,000	0	0
WA6002 WTP Facility Plan Update	50,000	100,000	150,000	0	0
WA6052 Reservoir No. 3 Upgrades	400,000	5,700,000	4,527,000	0	1,573,000
WA6057 Backwash Pump Redundancy	25,910	0	25,910	0	0
WA6058 Water System Security Projects	24,645	10,000	34,645	0	0
WA6059 Pump Station Repairs	15,000	0	15,000	0	0
WA6122 WTP Emergency Generator	200,000	0	200,000	0	0
NEW PROJECTS					
WA6167 D & E & Dimmick Water Main Abandonment	0	155,000	155,000	0	0
WA6168 WTP Exterior Repairs & Painting	0	110,000	110,000	0	0
Total Projects	<u>1,353,922</u>	<u>6,265,327</u>	<u>5,724,436</u>	<u>0</u>	<u>1,894,813</u>

Program: Utilities/Water – Capital Construction

Financial Summary

	ACTUAL FY'10 \$	ACTUAL FY'11 \$	BUDGET FY'12 \$	MANAGER RECOMMEND FY'13 \$	COMMITTEE APPROVED FY'13 \$	COUNCIL ADOPTED FY'13 \$	PROJECTED FY'14 \$
Beginning Fund Balance	<u>2,257,259</u>	<u>1,935,415</u>	<u>1,500,130</u>	<u>1,353,922</u>	<u>1,353,922</u>	<u>1,353,922</u>	<u>1,894,813</u>
Resources							
Development Charges	234,671	186,205	187,484	150,000	150,000	150,000	150,000
Investment Interest	19,723	17,136	19,500	14,000	14,000	14,000	14,000
Advance Finance Interest	3,014	601	0	0	0	0	0
SDC Loans	9,759	7,055	0	0	0	0	0
General Fund	0	0	0	150,000	150,000	150,000	100,000
Transportation Projects	0	127,000	0	0	0	0	0
Water Fund	605,166	522,531	502,801	394,327	394,327	394,327	51,001
Advance Financing	24,338	53,023	10,000	2,000	2,000	2,000	2,000
Miscellaneous Revenue	<u>(1,000)</u>	<u>0</u>	<u>0</u>	<u>5,555,000</u>	<u>5,555,000</u>	<u>5,555,000</u>	<u>0</u>
Total Current Resources	<u>895,671</u>	<u>913,551</u>	<u>719,785</u>	<u>6,265,327</u>	<u>6,265,327</u>	<u>6,265,327</u>	<u>317,001</u>
Total Resources	<u>3,152,930</u>	<u>2,848,966</u>	<u>2,219,915</u>	<u>7,619,249</u>	<u>7,619,249</u>	<u>7,619,249</u>	<u>2,211,814</u>
Requirements							
Capital Outlay	1,172,515	401,260	1,754,688	5,724,436	5,724,436	5,724,436	2,043,000
Transfers Out	45,000	160,000	200,000	0	0	0	0
Appropriated Fund Balance	<u>1,935,415</u>	<u>2,287,706</u>	<u>265,227</u>	<u>1,894,813</u>	<u>1,894,813</u>	<u>1,894,813</u>	<u>168,814</u>
Total Requirements	<u>3,152,930</u>	<u>2,848,966</u>	<u>2,219,915</u>	<u>7,619,249</u>	<u>7,619,249</u>	<u>7,619,249</u>	<u>2,211,814</u>

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.

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water SDC's	4,271,037	187,484	187,484	150,000	4,608,521	150,000	450,000	5,208,521
Transfers To Projects	-3,985,115	-134,000	-34,000	-150,000	-4,169,115	-300,000	-1,610,000	-6,079,115
Investment Interest	114,487	8,000	8,000	4,000	126,487	4,000	12,000	142,487
Total Resources					565,893			-728,107

Requirements

Expenditures					0			0
Transfers to TR4924 / Contingency	205,000	200,000	200,000		405,000			405,000
Ending Balance by Year	195,409	56,893	156,893	160,893	160,893	14,893	-1,133,107	-1,133,107
Total Requirements					565,893			-728,107

Adopted FY'12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project **WA0000** **Fund 755 Water Advanced Financing**

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.

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects AFD's	834,488	10,000	10,000	2,000	846,488	2,000	30,000	878,488
AFD's to projects	-819,778	-10,000	-10,000	-47,673	-877,451	-2,000	-30,000	-909,451
Investment Interest	29,463	1,500	1,500		30,963			30,963
Total Resources					0			0

Requirements

Expenditures					0			0
Transfers/Contingency					0			0
Ending Balance by Year	44,173	3,242	45,673	0	0	0	0	0
Total Requirements					0			0

Adopted FY'12 will NOT add into TOTALS

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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. 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.

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	5,655,490	317,801	502,801	394,327	6,552,618	51,001	333,000	6,936,619
Water Funds to Projects	-7,934,934	-630,000	-747,131	-365,000	-9,047,065	-70,000	-4,222,000	-13,339,065
Advance Finance District	819,778	10,000	10,000	47,673	877,451	2,000	30,000	909,451
Investment Interest	1,173,582	10,000	10,000	10,000	1,193,582	10,000	30,000	1,233,582
Return:Lands & Bldgs & Transportation	440,800				440,800			440,800
Other	247,605			958	248,563			248,563
Total Resources					265,949			-3,570,050

Requirements

Expenditures	105,028				105,028			105,028
Transfer					0			0
Ending Balance by Year	297,293	35,101	72,963	160,921	160,921	153,922	-3,675,078	-3,675,078
Total Requirements					265,949			-3,570,050

Adopted FY'12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

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

Project Description

This project accounts for the distribution of funds to various 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.

This project will be dormant until needed for future Local Improvement District projects.

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

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	12,942			-958	11,984			11,984
Interest	597				597			597
					0			0
Total Resources					12,581			12,581

Requirements

Expenditures	12,581				12,581			12,581
Transfers/Contingency					0			0
Ending Balance by Year	958	958	958	0	0	0	0	0
Total Requirements					12,581			12,581

Adopted FY'12 will NOT add into TOTALS

hilite,then F9 to refresh FORMULAS ↑

Program: Utilities/Water – Capital Construction

Project	WA4526	Starlite Pump Station Upgrade
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Project Description

This project will upgrade pumps and install a backup emergency power generator in the Starlite Pump Station.

Need for Project

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

After pre-design assessment, a new approach was identified - installation of a pressure reducing station to allow flow between Starlite and Laurelridge pump stations in cases of emergency.



Future and Ongoing Costs: Design, acquire property and construct improvements.

Original estimate of \$210,000 redefined after completion of pre-design.

Estimated Total Project Cost: \$245,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	210,000	35,000	35,000		245,000			245,000
					0			0
					0			0
Total Resources					245,000			245,000

Requirements

Expenditures	121,451	50,454	50,454	73,095	245,000			245,000
Transfers/ Contingency					0			0
Ending Balance by Year	88,549	0	73,095	0	0	0	0	0
Total Requirements					245,000			245,000

Adopted FY'12 will NOT add into TOTALS

hilite,then F9 to refresh FORMULAS ↑

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.

Future and Ongoing Costs: Routine periodic maintenance.



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

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'17	Total Project
Water Capital Projects	45,000			5,000	50,000	5,000	45,000	100,000
Water Treatment	60,000				60,000			60,000
					0			0
Total Resources					110,000			160,000

Requirements

Expenditures	59,417	31,172	20,172	30,411	110,000	5,000	45,000	160,000
Transfers/ Contingency					0			0
Ending Balance by Year	45,583	0	25,411	0	0	0	0	0
Total Requirements					110,000			160,000

Adopted FY'12 will NOT add into TOTALS

hilite,then F9 to refresh FORMULAS ↑

Program: Utilities/Water – Capital Construction

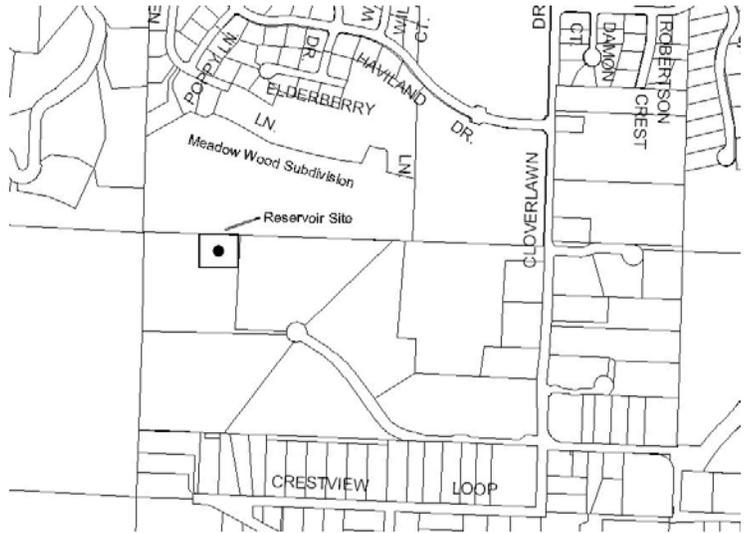
Project	WA4742	Reservoir and Pump Station Site Purchases
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Project Description

This project would fund the purchase of land for future reservoir or pump station sites (i.e. reservoir Nos. 13 & 16, RCC pump station).

Need for Project

Land acquisition is required for the location of future, as well as replacement, reservoirs and pump stations. The sites 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.



Future and Ongoing Costs: Engineering assessments, appraisals and acquisitions.

Original Estimated Total Project Cost: \$150,000

Revised Estimated Total Project Cost: \$350,000 - Revised as other site acquisitions have been added

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	50,000	47,000	47,000		97,000		90,000	187,000
Water SDC	63,000	100,000	-50,000		13,000	150,000		163,000
					0			0
Total Resources					110,000			350,000

Requirements

Expenditures	17,004	157,000	57,000	35,996	110,000	150,000	90,000	350,000
Transfers/ Contingency					0			0
Ending Balance by Year	95,996	0	35,996	0	0	0	0	0
Total Requirements					110,000			350,000

Adopted FY'12 will NOT add into TOTALS

hilite, then F9 to refresh FORMULAS ↑

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 project costs.



Future and Ongoing Costs: Routine and periodic maintenance.

Estimated Total Project Cost: \$1,200,000 - \$50,000/year

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'17	Total Project
Water Capital Projects	260,000	0	0	50,000	310,000		150,000	460,000
					0			0
					0			0
Total Resources					310,000			460,000

Requirements

Expenditures	113,827	51,302	100,000	96,173	310,000		150,000	460,000
Transfers/ Contingency					0			0
Ending Balance by Year	146,173	0	46,173	0	0	0	0	0
Total Requirements					310,000			460,000

Adopted FY' 12 will NOT add into TOTALS

hilite,then F9 to refresh FORMULAS ↑

Program: Utilities/Water – Capital Construction

Project **WA4965** **WTP Solids Handling**

Project Description

This project will 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 is phase 1 of the improvements needed.



Need for Project

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

Future and Ongoing Costs: Final design and construction.

Original estimate of \$2,500,000 redefined after pre-design.

Estimated Total Project Cost: \$3,500,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	350,000	-233,000	-233,000		117,000		1,912,000	2,029,000
Water SDCs (42%)	850,000	-289,000	-339,000		511,000		960,000	1,471,000
					0			0
Total Resources					628,000			3,500,000

Requirements

Expenditures	542,621	54,985	54,985	30,394	628,000		2,872,000	3,500,000
Transfers/ Contingency					0			0
Ending Balance by Year	657,379	0	30,394	0	0	0	0	0
Total Requirements					628,000			3,500,000

Adopted FY' 12 will NOT add into TOTALS

hilite, then F9 to refresh FORMULAS ↑

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. 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.

Future and Ongoing Costs: Development of plan update after UGB determined.

Original estimate of \$80,000 redefined.

Estimated Total Project Cost: \$50,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	50,000				50,000			50,000
					0			0
					0			0
Total Resources					50,000			50,000

Requirements

Expenditures		40,000	50,000		50,000			50,000
Transfers/ Contingency					0			0
Ending Balance by Year	50,000	0						
Total Requirements					50,000			50,000

Adopted FY'12 will NOT add into TOTALS

hilite, then F9 to refresh FORMULAS ↑

Program: Utilities/Water – Capital Construction

Project	WA4971	Meadow Wood Reservoir No. 16
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Project Description

This project will 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 accumulate the funds needed for the construction.



Future and Ongoing Costs: Property acquisition will occur through project WA4742. Design and construct.

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

2011 Estimated Total Project Cost: \$1,540,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects					0		890,000	890,000
Water SDCs (42%)	50,000	250,000	-50,000		0		650,000	650,000
					0			0
Total Resources					0			1,540,000

Requirements

Expenditures		300,000	0		0		1,540,000	1,540,000
Transfers/ Contingency					0			0
Ending Balance by Year	50,000	0	0	0	0	0	0	0
Total Requirements					0			1,540,000

Adopted FY'12 will NOT add into TOTALS

hilite, then F9 to refresh FORMULAS ↑

Program: Utilities/Water – Capital Construction

Project	WA 5028	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 the 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.

Future and Ongoing Costs: Routine and periodic maintenance.



Estimated Total Project Cost: \$ 50,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	50,000				50,000			50,000
					0			0
					0			0
Total Resources					50,000			50,000

Requirements

Expenditures	6,188		23,000	20,812	50,000			50,000
Transfers/ Contingency					0			0
Ending Balance by Year	43,812	0	20,812	0	0	0	0	0
Total Requirements					50,000			50,000

Adopted FY'12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA5094	Water Distribution System Master Plan Update
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Project Description

This project will update the Water Distribution System Master Plan completed in 2001.

Need for Project

The Council is in the process of expanding the urban growth boundary. Part of that process requires a review of the infrastructure needed to serve the new area. The Master Plan Update will identify infrastructure requirements and sizing to serve the enlarged Urban Growth Boundary.

Future and Ongoing Costs: Development of plan after UGB determined.

Estimated Total Project Cost: Original \$120,000 revised to \$140,000 due to UGB delay

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	120,000			20,000	140,000			140,000
					0			0
					0			0
Total Resources					140,000			140,000

Requirements

Expenditures	16,387	78,613	28,613	95,000	140,000			140,000
Transfers/ Contingency					0			0
Ending Balance by Year	103,613	0	75,000	0	0	0	0	0
Total Requirements					140,000			140,000

Adopted FY' 12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project **WA5096** **WTP Structural Repairs**

Project Description

This project will fund many minor repairs necessary for the proper operation and long term maintenance of the Water Treatment Plant. Included items are: intake screen, exterior painting and restoration, stairways and landings for basin access, lab expansion and sedimentation basin entrance and egress ladders.



Need for Project

The project is needed for efficiency and for safety. It will create a fund for a large number of small capital projects to ensure the longevity of the Water Treatment Plant and its supporting structures. In addition, many of the projects listed will bring current facilities into compliance with current OR-OSHA regulations and improve staff safety.

Future and Ongoing Costs: Evaluation and repair of unidentified deficiencies.

Estimated Total Project Cost: \$ 90,000/year as available

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'17	Total Project
Water Capital Projects	210,000	90,000	90,000	50,000	350,000		270,000	620,000
					0			0
					0			0
Total Resources					350,000			620,000

Requirements

Expenditures	171,195	107,669	128,805	50,000	350,000		270,000	620,000
Transfers/ Contingency					0			0
Ending Balance by Year	38,805	0	0	0	0	0	0	0
Total Requirements					350,000			620,000

Adopted FY' 12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6000	MSA Task Order #1 (General Engineering)
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Project Description

In May 2008 the City of Grants Pass and Murray, Smith & Associates (MSA) entered into a new, 3 year Water Master Services Agreement for Professional Engineering and Permitting Services. With this Agreement, a number of individual task orders will be assigned, negotiated and executed to undertake a variety of assignments on the City's water facilities.

Need for Project

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

Future and Ongoing Costs: Development of new unidentified tasks.

Estimated Total Project Cost: \$20,000/year

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'17	Total Project
Water Capital Projects	60,000			20,000	80,000	10,000	60,000	150,000
					0			0
					0			0
Total Resources					80,000			150,000

Requirements

Expenditures	28,903	20,000	21,097	30,000	80,000	10,000	60,000	150,000
Transfers/ Contingency					0			0
Ending Balance by Year	31,097	0	10,000	0	0	0	0	0
Total Requirements					80,000			150,000

Adopted FY'12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6001	Water Main Looping
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Project Description

This project accumulates funds for the installation of short segments of public water mains (less than 400 feet in length) at various locations to complete water system loops.

Need for Project

Looping of distribution system lines increase fire flow, establish system redundancy and improve water quality. Several areas exist within the distribution system where the installation of short runs of piping will complete system loops. The installation of these lines is unlikely to occur due to development alone.

Future and Ongoing Costs: Routine periodic maintenance.

Estimated Total Project Cost: \$725,000 at \$20,000/year as available

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	35,000	20,000	20,000		55,000		670,000	725,000
					0			0
					0			0
Total Resources					55,000			725,000

Requirements

Expenditures	0	30,000	10,000	45,000	55,000		670,000	725,000
Transfers/ Contingency					0			0
Ending Balance by Year	35,000	0	45,000	0	0	0	0	0
Total Requirements					55,000			725,000

Adopted FY' 12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6002	WTP Facility Plan Update
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Project Description

This project will update the Water Treatment Plant Facility Plan completed in 2004.

Need for Project

The Council is in the process of expanding the urban growth boundary. Part of that process requires a review of the infrastructure needed to serve the new area. The Master Plan Update will identify infrastructure requirements and sizing to serve the enlarged Urban Growth Boundary. The new plan update will also include a facility structural analysis component due to the age of the original infrastructure and an evaluation for the relocation of the plant.

Future and Ongoing Costs: Development of the plan.

Original Estimated Total Project Cost: \$100,000

Revised Estimate: \$300,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	100,000	100,000	100,000	100,000	300,000			300,000
					0			0
					0			0
Total Resources					300,000			300,000

Requirements

Expenditures		120,000	150,000	150,000	300,000			300,000
Transfers/ Contingency					0			0
Ending Balance by Year	100,000	0	50,000	0	0	0	0	0
Total Requirements					300,000			300,000

Adopted FY' 12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6052	Reservoir No. 3 Upgrades
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Project Description

This project will evaluate and address structural deficiencies identified during access hatch replacement.

Need for Project

Reservoir roof concrete was found badly deteriorated (exposed rebar) during hatch replacement. A thorough structural inspection with recommendations for repair or replacement will be performed.

Future and Ongoing Costs: After structural assessment, it was determined reservoir #3 would require in-place replacement. Next steps will be design and construction of new 5 MG reservoir.



Original Estimated Total Project Cost: \$1,500,000 - revised to reflect replacement of reservoir
Revised Estimated Total Project Cost: \$6,500,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	123,000	100,000	100,000		223,000			223,000
Bond				5,400,000	5,400,000			5,400,000
Water SDCs			400,000	150,000	550,000	150,000		700,000
General Fund – Policy & Legislation				150,000	150,000	100,000		250,000
					0			0
					0			0
Total Resources					6,323,000			6,573,000

Requirements

Expenditures	13,560	142,493	209,440	4,527,000	4,750,000	1,823,000	0	6,573,000
Transfers					0			0
Ending Balance by Year	109,440	0	400,000	1,573,000	1,573,000	0	0	0
Total Requirements					6,323,000			6,573,000

Adopted FY'12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6057	Backwash Pump Redundancy
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Project Description

This project will add a second backwash pump for treatment plant redundancy.

Need for Project

Currently the existing backwash pump cannot be removed from service for any length of time. The existing pump is due for extensive overhaul/rebuild. With increased demand, a new pump must be installed before the existing pump can be serviced or replaced.

Future and Ongoing Costs: Final design and construction.



Original Estimated Total Project Cost: \$150,000 - Revised after pre-design

Revised Estimated Total Project Cost: \$324,000

Revised Estimated Total Project Cost: \$509,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	87,000	101,000	286,000		373,000			373,000
Water SDCs (42%)	63,000	73,000	73,000		136,000			136,000
					0			0
Total Resources					509,000			509,000

Requirements

Expenditures	58,090	174,000	425,000	25,910	509,000			509,000
Transfers/ Contingency					0			0
Ending Balance by Year	91,910	0	25,910	0	0	0	0	0
Total Requirements					509,000			509,000

Adopted FY' 12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6058	Water System Security Projects
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Project Description

This project will install and/or upgrade system security at all water system facilities as needed/required.

Need for Project

Currently system security is in need of upgrade and standardization. This will be an ongoing project to upgrade security across the water system.

Future and Ongoing Costs: Evaluation and upgrade of unidentified deficiencies.

Estimated Total Project Cost: \$20,000/year as available

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'17	Total Project
Water Capital Projects	20,000	20,000	20,000	10,000	50,000		60,000	110,000
					0			0
					0			0
Total Resources					50,000			110,000

Requirements

Expenditures	355	20,000	15,000	34,645	50,000		60,000	110,000
Transfers/ Contingency					0			0
Ending Balance by Year	19,645	0	24,645	0	0	0	0	0
Total Requirements					50,000			110,000

Adopted FY' 12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6059	Pump Station Repairs
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Project Description

This project will allow for miscellaneous repairs and or upgrades to the various pump stations located throughout the water system. Examples of such are equipment replacement/refurbishment, control system upgrades, painting, etc.

Need for Project

This project will account for repair or upgrade to pump station facilities as problems are identified.

Future and Ongoing Costs: Evaluation and repair of unidentified deficiencies.

Estimated Total Project Cost: \$25,000/year as available

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future Through FY'17	Total Project
Water Capital Projects	25,000				25,000	5,000	75,000	105,000
					0			0
					0			0
Total Resources					25,000			105,000

Requirements

Expenditures		15,000	10,000	15,000	25,000	5,000	75,000	105,000
Transfers/ Contingency					0			0
Ending Balance by Year	25,000	0	15,000	0	0	0	0	0
Total Requirements					25,000			105,000

Adopted FY' 12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6122	WTP Emergency Power Generator
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Project Description

This project will install an emergency power generator and transfer switch gear at the WTP.

Need for Project

Currently the WTP has no emergency power generator. The new emergency generator will be capable of providing 5± MGD of potable water during an extended power outage.

Future and Ongoing Costs: Design, purchase and installation. Grant funding will be investigated and pursued if available.

Estimated Total Project Cost: \$250,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects		250,000	250,000		250,000			250,000
					0			0
					0			0
Total Resources					250,000			250,000

Requirements

Expenditures		250,000	50,000	200,000	250,000			250,000
Transfers/ Contingency					0			0
Ending Balance by Year	0	0	200,000	0	0	0	0	0
Total Requirements					250,000			250,000

Adopted FY' 12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6167	'D' & 'E' & Dimmick 16" Water Main Abandonment
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Project Description

This project will install two 280 lineal foot segments of 8" water mains, one new fire hydrant and relocate several water service lines on NW D and NW E Streets west of NW Elm Street.

Need for Project

This project will provide improved fire protection to 16 tax lots. The project will also relocate water service lines from backyards and alleys to the street frontage and improve domestic water service pressures. Once complete, the difficult to access 16" water main can be abandoned.

Future and Ongoing Costs: Routine and periodic maintenance.

Estimated Total Project Cost: \$155,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects					0			0
Water Bond				155,000	155,000			155,000
					0			0
Total Resources					155,000			155,000

Requirements

Expenditures				155,000	155,000			155,000
Transfers/ Contingency					0			0
Ending Balance by Year	0	0	0	0	0	0	0	0
Total Requirements					155,000			155,000

Adopted FY' 12 will NOT add into TOTALS

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Program: Utilities/Water – Capital Construction

Project	WA6168	WTP Exterior Repairs and Painting
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Project Description

This project is to repair and paint the exterior of the Water Treatment Plant.

Need for Project

The exterior stucco and concrete of the Water Treatment Plant is cracking and beginning to fail. This project will restore the failing stucco, seal minor cracks in the concrete and coat the building in a new coat of paint. Minor repairs to the tile roof will also be made under this project.

Future and Ongoing Costs: Routine and periodic maintenance.

Estimated Total Project Cost: \$160,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects				110,000	110,000	50,000		160,000
					0			0
					0			0
Total Resources					110,000			160,000

Requirements

Expenditures				110,000	110,000	50,000		160,000
Transfers/ Contingency					0			0
Ending Balance by Year	0	0	0	0	0	0	0	0
Total Requirements					110,000			160,000

Adopted FY'12 will NOT add into TOTALS

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Project Closed – FY 2012

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.

Future and Ongoing Costs: Installation of hydrants as systems connect to the water system.



PROJECT COMPLETE

Estimated Total Project Cost: \$75,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects	75,000		-17,869		57,131			57,131
					0			0
					0			0
Total Resources					57,131			57,131

Requirements

Expenditures	57,131	12,000	0		57,131			57,131
Transfers/ Contingency					0			0
Ending Balance by Year	17,869	0	0	0	0	0	0	0
Total Requirements					57,131			57,131

Adopted FY'12 will NOT add into TOTALS

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Project Closed – FY 2012

Program: Utilities/Water – Capital Construction

Project	WA6060	Solids Handling Pads WTP, Pond and JO-GRO™
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Project Description

This project will install concrete or asphalt pads for solids handling. The pads will be located at the Water Treatment Plant, solids handling pond and at JO-GRO™.



Need for Project

The large solids handling bags require a large flat area for their use. Once the solids dry, heavy equipment is used to remove the solids and transport to JO-GRO™. The solids can then be utilized in the compost operation.

Future and Ongoing Costs: Design and construction.

CLOSE - PROJECT NOT A VIABLE OPTION AT THIS TIME

Estimated Total Project Cost: \$200,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects					0			0
Water SDCs (42%)					0			0
					0			0
Total Resources					0			0

Requirements

Expenditures					0			0
Transfers/Contingency					0			0
Ending Balance by Year	0	0	0	0	0	0	0	0
Total Requirements					0			0

Adopted FY' 12 will NOT add into TOTALS

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Project Closed – FY 2012

Program: Utilities/Water – Capital Construction

Project	WA6121	Disinfection Byproducts
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Project Description

This project will identify and remove disinfection byproducts from the water system. Mixers were added to identified reservoirs. Results have been very encouraging.

Need for Project

The State has enacted a new rule for the water system. The rule requires the removal of disinfection byproducts.

Future and Ongoing Costs: Unknown at this time.

PROJECT COMPLETE

Estimated Total Project Cost: \$100,000

Resources

	Actual Through FY'11	FY'12 Adopted	FY'12 Revised	FY'13 Adopted	Through FY'13	FY'14 Projected	Future	Total Project
Water Capital Projects		100,000	50,000		50,000			50,000
					0			0
					0			0
Total Resources					50,000			50,000

Requirements

Expenditures		100,000	50,000		50,000			50,000
Transfers/ Contingency					0			0
Ending Balance by Year	0	0	0	0	0	0	0	0
Total Requirements					50,000			50,000

Adopted FY' 12 will NOT add into TOTALS

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WHERE THE ROGUE RIVER RUNS



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