

**WATER**

## Program: Utilities/Water - Capital Construction

### ALL ACTIVE CAPITAL PROJECT: RESOURCES

	Actual			Total		
	Through FY'10	Revised FY'11	Adopted FY'12	Through FY'12	Future Years	Total Project
WA4258 Fire Hydrant New Install	75,000	0	0	75,000	0	75,000
WA4526 Starlite Pump Station Upgrade	210,000	0	35,000	245,000	0	245,000
WA4693 Booster Station Pump and Motor Rebuilds	90,000	15,000	0	105,000	45,000	150,000
WA4742 Meadow Wood Reservoir No.16 - Site Purch.	50,000	63,000	147,000	260,000	90,000	350,000
WA4841 Small Main Replacement	160,000	100,000	0	260,000	150,000	410,000
WA4965 WTP Solids Handling	1,200,000	0	(522,000)	678,000	2,822,000	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	0	250,000	300,000	1,240,000	1,540,000
WA5028 Water Main on Private Property	20,000	30,000	0	50,000	0	50,000
WA5094 Water Distribution System Master Plan Update	100,000	20,000	0	120,000	0	120,000
WA5096 WTP Structural Repairs	160,000	50,000	90,000	300,000	270,000	570,000
WA6000 MSA Task Order #1	60,000	0	0	60,000	60,000	120,000
WA6001 Water Main Looping	15,000	20,000	20,000	55,000	60,000	115,000
WA6002 WTP Facility Plan Update	10,000	90,000	100,000	200,000	0	200,000
WA6052 Reservoir No. 3 Upgrades	50,000	73,000	100,000	223,000	4,777,000	5,000,000
WA6057 Backwash Pump Redundancy	0	150,000	174,000	324,000	0	324,000
WA6058 Water System Security Projects	0	20,000	20,000	40,000	60,000	100,000
WA6059 Pump Station Repairs	0	25,000	0	25,000	75,000	100,000
WA6060 Solids Handling Pads WTP, Pond, & JO-GRO™	0	0	0	0	200,000	200,000
WA0000 Miscellaneous Water Proj.- General (758)	472,443	189,886	(292,199)	370,130	(10,142,000)	(9,771,870)
WA0000 Miscellaneous Water Proj.- LID's (759)	13,539	0	0	13,539	0	13,539
WA0000 Miscellaneous Water Proj.- SDC's (752)	332,002	52,440	61,484	445,926	(781,548)	(335,622)
WA0000 Miscellaneous Water Proj.- AFD's (755)	242	1,500	1,500	3,242	0	3,242
<b>NEW PROJECTS</b>						
WA6121 Disinfection Byproducts	0	0	100,000	100,000	0	100,000
WA6122 WTP Emergency Generator	0	0	250,000	250,000	0	250,000
<b>Total Projects</b>	<b><u>3,118,226</u></b>	<b><u>899,826</u></b>	<b><u>534,785</u></b>	<b><u>4,552,837</u></b>	<b><u>(1,074,548)</u></b>	<b><u>3,478,289</u></b>

### ALL CLOSED OR CANCELLED CAPITAL PROJECT: RESOURCES

WA4863 Hilltop Fire Pump Station Upgrade	706,000	(45,000)	0	661,000	0	661,000
WA4967 Plant Landscaping	110,000	2,000	0	112,000	0	112,000
WA4968 Influent Pump VFD's	220,000	(22,542)	0	197,458	0	197,458
WA5027 Leonard Road Water Line Loop 2	77,000	(3,813)	0	73,187	0	73,187
WA5097 Feasibility of On-Site CHL2 Generation	10,000	(10,000)	0	0	0	0
WA5098 Air Scour in Filters	0	0	0	0	0	0
WA6044 Meadow Wood Ph10 Elderberry to Windham	25,000	5,000	0	30,000	0	30,000
WA6061 WTP Roof Replacement	20,000	60,000	0	80,000	0	80,000
<b>Total Projects</b>	<b><u>1,168,000</u></b>	<b><u>(14,355)</u></b>	<b><u>0</u></b>	<b><u>1,153,645</u></b>	<b><u>0</u></b>	<b><u>1,153,645</u></b>
<b>Grand Total - All Projects</b>	<b><u>4,286,226</u></b>	<b><u>885,471</u></b>	<b><u>534,785</u></b>	<b><u>5,706,482</u></b>	<b><u>(1,074,548)</u></b>	<b><u>4,631,934</u></b>

## Program: Utilities/Water - Capital Construction

### ALL ACTIVE CAPITAL PROJECT SUMMARY FOR FY'12

	Adopted FY'12 Beginning Fund Balance	Adopted FY'12 Revenue	Adopted FY'12 Capital Outlay	Adopted FY'12 Transfers	Adopted FY'12 Appropriated Fund Balance
WA4258 Fire Hydrant New Install	12,000	0	12,000	0	0
WA4526 Starlite Pump Station Upgrade	15,454	35,000	50,454	0	0
WA4693 Booster Station Pump and Motor Rebuilds	31,172	0	31,172	0	0
WA4742 Meadow Wood Reservoir No. 16 - Site Purch.	10,000	147,000	157,000	0	0
WA4841 Small Main Replacement	51,302	0	51,302	0	0
WA4965 WTP Solids Handling	576,985	(522,000)	54,985	0	0
WA4966 Water Conservation & Mgmt Plan Updt	40,000	0	40,000	0	0
WA4971 Meadow Wood Reservoir No. 16	50,000	250,000	300,000	0	0
WA5028 Water Main on Private Property	0	0	0	0	0
WA5094 Water Distribution Sys.Master Plan Update	78,613	0	78,613	0	0
WA5096 WTP Structural Repairs	17,669	90,000	107,669	0	0
WA6000 MSA Task Order #1	20,000	0	20,000	0	0
WA6001 Water Main Looping	10,000	20,000	30,000	0	0
WA6002 WTP Facility Plan Update	20,000	100,000	120,000	0	0
WA6052 Reservoir No. 3 Upgrades	42,493	100,000	142,493	0	0
WA6057 Backwash Pump Redundancy	0	174,000	174,000	0	0
WA6058 Water System Security Projects	0	20,000	20,000	0	0
WA6059 Pump Station Repairs	15,000	0	15,000	0	0
WA6060 Solids Handling Pads WTP, Pond, & JO-GRO™	0	0	0	0	0
WA6061 WTP Roof Replacement					
WA0000 Miscellaneous Water Projects - General (758)	327,300	(292,199)	0	0	35,101
WA0000 Miscellaneous Water Projects - LID's (759)	958	0	0	0	958
WA0000 Miscellaneous Water Projects - SDC's (752)	179,442	61,484	0	200,000	40,926
WA0000 Miscellaneous Water Projects - AFD's (755)	1,742	1,500	0	0	3,242
<b>NEW PROJECTS</b>					
WA6121 Disinfection Byproducts	0	100,000	100,000	0	0
WA6122 WTP Emergency Generator	0	250,000	250,000	0	0
<b>Total Projects</b>	<b><u>1,500,130</u></b>	<b><u>534,785</u></b>	<b><u>1,754,688</u></b>	<b><u>200,000</u></b>	<b><u>80,227</u></b>

# Program: Utilities/Water – Capital Construction

Project WA0000 Fund 752 Water System Development Charges

## 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'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water SDC's	4,084,832	170,440	170,440	187,484	187,484	4,442,756	562,452	5,005,208
Transfers To Projects	-3,859,115	-210,000	-126,000		-134,000	-4,119,115	-1,344,000	-5,463,115
Investment Interest	106,285	8,000	8,000	8,000	8,000	122,285		122,285
<b>Total Resources</b>						445,926		-335,622

## Requirements

Expenditures						0		0
Transfers/Contingency	45,000	160,000	160,000	200,000	200,000	405,000	295,000	700,000
<b>Ending Balance by Year</b>	<b>287,002</b>	<b>31,440</b>	<b>179,442</b>	<b>26,924</b>	<b>40,926</b>	<b>40,926</b>	<b>-1,035,622</b>	<b>-1,035,622</b>
<b>Total Requirements</b>						445,926		-335,622

Adopted FY'11 and Projected 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'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects AFD's	781,465	10,000	10,000	10,000	10,000	801,465	30,000	831,465
AFD's to projects	-809,778	-10,000	-10,000	-10,000	-10,000	-829,778	-30,000	-859,778
Investment Interest	28,555	1,500	1,500	1,500	1,500	31,555		31,555
<b>Total Resources</b>						3,242		3,242

## Requirements

Expenditures						0		0
Transfers/Contingency						0		0
<b>Ending Balance by Year</b>	242	4,300	1,742	5,800	3,242	3,242	3,242	3,242
<b>Total Requirements</b>						3,242		3,242

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA0000 Fund 758 Miscellaneous Water Projects

## 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'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	5,452,959	522,531	522,531	385,102	317,801	6,293,291	580,000	6,873,291
Water Funds to Projects	-7,419,607	-690,000	-515,645	-524,000	-630,000	-8,565,252	-10,782,000	19,347,252
Advance Finance District	809,778	10,000	10,000	10,000	10,000	829,778	30,000	859,778
Investment Interest	1,157,908	10,000	10,000	10,000	10,000	1,177,908	30,000	1,207,908
Return:Lands & Bldgs & Transportation	313,800	163,000	163,000			476,800		476,800
Other	157,605					157,605		157,605
<b>Total Resources</b>						370,130		-9,771,870

## Requirements

Expenditures	335,028					335,028		335,028
Transfers/Contingency						0	50,000	50,000
<b>Ending Balance by Year</b>	<b>137,415</b>	<b>155,246</b>	<b>327,301</b>	<b>36,348</b>	<b>35,102</b>	<b>35,102</b>	<b>-10,156,898</b>	<b>-10,156,898</b>
<b>Total Requirements</b>						370,130		-9,771,870

Adopted FY' 11 and Projected 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 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.

## Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	12,942					12,942		12,942
Interest	597					597		597
Water Treatment						0		0
<b>Total Resources</b>						13,539		13,539

## Requirements

Expenditures	12,581					12,581		12,581
Transfers/Contingency						0		0
<b>Ending Balance by Year</b>	<b>958</b>		<b>958</b>	<b>0</b>	<b>958</b>	<b>958</b>	<b>958</b>	<b>958</b>
<b>Total Requirements</b>						13,539		13,539

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA4258 Fire Hydrant New Install

## 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.



**Estimated Total Project Cost: \$75,000**

## Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	75,000					75,000		75,000
						0		0
						0		0
<b>Total Resources</b>						75,000		75,000

## Requirements

Expenditures	57,131	9,869	5,869		12,000	75,000		75,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>17,869</b>	<b>0</b>	<b>12,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						75,000		75,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA4526 Starlite Pump Station Upgrade

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

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 and construct improvements.

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

**Estimated Total Project Cost: \$245,000**

## Resources

	Actual Through FY'10	FY' 11 Adopted	FY'11 Revised	FY' 12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	210,000				35,000	245,000		245,000
						0		0
						0		0
<b>Total Resources</b>						245,000		245,000

## Requirements

Expenditures	94,238	72,308	100,308		50,454	245,000		245,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>115,762</b>	<b>0</b>	<b>15,454</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						245,000		245,000

Adopted FY' 11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA4693 Booster Station Pump and Motor Rebuilds

## 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**

## Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future Through FY'15	Total Project
Water Capital Projects	30,000	15,000	15,000		0	45,000	45,000	90,000
Water Treatment	60,000					60,000		60,000
						0		0
<b>Total Resources</b>						<b>105,000</b>		<b>150,000</b>

## Requirements

Expenditures	43,828	30,000	30,000	16,172	31,172	105,000	45,000	150,000
Transfers/Contingency						0		0
<b>Ending Balance by Year</b>	<b>46,172</b>	<b>16,172</b>	<b>31,172</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>105,000</b>		<b>150,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA4742 Reservoir and Pump Station Site Purchases

## 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'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	50,000				47,000	97,000	90,000	187,000
Water SDC		63,000	63,000		100,000	163,000		163,000
						0		0
<b>Total Resources</b>						<b>260,000</b>		<b>350,000</b>

## Requirements

Expenditures	15,964	87,036	87,036		157,000	260,000	90,000	350,000
Transfers/Contingency						0		0
<b>Ending Balance by Year</b>	<b>34,036</b>	<b>0</b>	<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>260,000</b>		<b>350,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA4841 Small Main Replacement

## 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'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future Through FY'15	Total Project
Water Capital Projects	160,000	100,000	100,000	50,000	0	260,000	150,000	410,000
						0		0
						0		0
<b>Total Resources</b>						260,000		410,000

## Requirements

Expenditures	8,698	200,000	200,000	98,000	51,302	260,000	150,000	410,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>151,302</b>	<b>50,000</b>	<b>51,302</b>	<b>2,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						260,000		410,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# 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'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	350,000	100,000	0	200,000	-233,000	117,000	1,912,000	2,029,000
Water SDCs (42%)	850,000				-289,000	561,000	910,000	1,471,000
						0		0
<b>Total Resources</b>						678,000		3,500,000

## Requirements

Expenditures	523,015	500,000	100,000	425,000	54,985	678,000	2,822,000	3,500,000
Transfers/Contingency						0		0
<b>Ending Balance by Year</b>	<b>676,985</b>	<b>226,226</b>	<b>576,985</b>	<b>1,226</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						678,000		3,500,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA4966 Water Conservation and Management Plan Update

## 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'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	50,000					50,000		50,000
						0		0
						0		0
<b>Total Resources</b>						50,000		50,000

## Requirements

Expenditures		20,000	10,000	30,000	40,000	50,000		50,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>50,000</b>	<b>30,000</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						50,000		50,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA4971 Meadow Wood Reservoir No. 16

## 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:** Design and construct.

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

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

## Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects						0	890,000	890,000
Water SDCs (42%)	50,000				250,000	300,000	350,000	650,000
						0		0
<b>Total Resources</b>						<b>300,000</b>		<b>1,540,000</b>

## Requirements

Expenditures					300,000	300,000	1,240,000	1,540,000
Transfers/Contingency						0		0
<b>Ending Balance by Year</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>300,000</b>		<b>1,540,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA 5028 Water Main in Private Property

## 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'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	20,000	30,000	30,000			50,000		50,000
						0		0
						0		0
<b>Total Resources</b>						50,000		50,000

## Requirements

Expenditures	61	40,000	49,939			50,000		50,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>19,939</b>	<b>0</b>						
<b>Total Requirements</b>						50,000		50,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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

**Project**      **WA5094**      **Water Distribution System Master Plan Update**

**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:    \$ 120,000**

**Resources**

	<b>Actual Through FY'10</b>	<b>FY' 11 Adopted</b>	<b>FY'11 Revised</b>	<b>FY' 12 Projected</b>	<b>FY'12 Adopted</b>	<b>Through FY'12</b>	<b>Future</b>	<b>Total Project</b>
Water Capital Projects	100,000	20,000	20,000			<b>120,000</b>		<b>120,000</b>
						<b>0</b>		<b>0</b>
						<b>0</b>		<b>0</b>
<b>Total Resources</b>						<b>120,000</b>		<b>120,000</b>

**Requirements**

Expenditures	16,387	75,000	25,000	29,020	78,613	<b>120,000</b>		<b>120,000</b>
Transfers/ Contingency						<b>0</b>		<b>0</b>
<b>Ending Balance by Year</b>	<b>83,613</b>	<b>29,020</b>	<b>78,613</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>120,000</b>		<b>120,000</b>

Adopted FY' 11 and Projected 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, clearwell assessment, 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

## Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future Through FY'15	Total Project
Water Capital Projects	160,000		50,000	18,000	90,000	300,000	270,000	570,000
						0		0
						0		0
<b>Total Resources</b>						300,000		570,000

## Requirements

Expenditures	106,907	36,424	85,424	18,000	107,669	300,000	270,000	570,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>53,093</b>	<b>0</b>	<b>17,669</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						300,000		570,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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

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

**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**

	<b>Actual Through FY’10</b>	<b>FY’ 11 Adopted</b>	<b>FY’11 Revised</b>	<b>FY’ 12 Projected</b>	<b>FY’12 Adopted</b>	<b>Through FY’12</b>	<b>Future Through FY’15</b>	<b>Total Project</b>
Water Capital Projects	60,000	20,000	0			<b>60,000</b>	60,000	<b>120,000</b>
						<b>0</b>		<b>0</b>
						<b>0</b>		<b>0</b>
<b>Total Resources</b>						<b>60,000</b>		<b>120,000</b>

**Requirements**

Expenditures	17,612	40,000	22,388	8,653	20,000	<b>60,000</b>	60,000	<b>120,000</b>
Transfers/ Contingency						<b>0</b>		<b>0</b>
<b>Ending Balance by Year</b>	<b>42,388</b>	<b>8,653</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>60,000</b>		<b>120,000</b>

Adopted FY’ 11 and Projected FY’ 12 will NOT add into TOTALS

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

**Project**      **WA6001**      **Water Main Looping**

**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**

**Resources**

	<b>Actual Through FY'10</b>	<b>FY' 11 Adopted</b>	<b>FY'11 Revised</b>	<b>FY' 12 Projected</b>	<b>FY'12 Adopted</b>	<b>Through FY'12</b>	<b>Future Through FY'15</b>	<b>Total Project</b>
Water Capital Projects	15,000	20,000	20,000	20,000	20,000	<b>55,000</b>	60,000	<b>115,000</b>
						<b>0</b>		<b>0</b>
						<b>0</b>		<b>0</b>
<b>Total Resources</b>						<b>55,000</b>		<b>115,000</b>

**Requirements**

Expenditures		35,000	25,000	20,000	30,000	<b>55,000</b>	60,000	<b>115,000</b>
Transfers/ Contingency						<b>0</b>		<b>0</b>
<b>Ending Balance by Year</b>	<b>15,000</b>		<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>55,000</b>		<b>115,000</b>

Adopted FY' 11 and Projected FY' 12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA6002 WTP Facility Plan Update

## 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.

**Future and Ongoing Costs:** Development of the plan.

Original Estimated Total Project Cost: \$100,000  
**Revised Estimate includes structural analysis: \$200,000**

## Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	10,000	90,000	90,000		100,000	200,000		200,000
						0		0
						0		0
<b>Total Resources</b>						200,000		200,000

## Requirements

Expenditures		80,000	80,000	20,000	120,000	200,000		200,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>10,000</b>	<b>20,000</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						200,000		200,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA6052 Reservoir No. 3 Upgrades

## 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 reservoir.



Original Estimated Total Project Cost: \$1,500,000 - revised to reflect replacement of reservoir  
**Revised Estimated Total Project Cost: \$5,000,000**

## Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	50,000	73,000	73,000	100,000	100,000	223,000	4,777,000	5,000,000
						0		0
						0		0
<b>Total Resources</b>						223,000		5,000,000

## Requirements

Expenditures	7,507	73,000	73,000	100,000	142,493	223,000	4,777,000	5,000,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	42,493	0	42,493	0	0	0	0	0
<b>Total Requirements</b>						223,000		5,000,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Program: Utilities/Water – Capital Construction

Project WA6057 Backwash Pump Redundancy

## 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**

## Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects		87,000	87,000		101,000	188,000		188,000
Water SDCs (42%)		63,000	63,000		73,000	136,000		136,000
						0		0
<b>Total Resources</b>						<b>324,000</b>		<b>324,000</b>

## Requirements

Expenditures		150,000	150,000		174,000	324,000		324,000
Transfers/Contingency						0		0
<b>Ending Balance by Year</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>324,000</b>		<b>324,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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

**Project WA6058 Water System Security Projects**

**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**

**Resources**

	<b>Actual Through FY'10</b>	<b>FY'11 Adopted</b>	<b>FY'11 Revised</b>	<b>FY'12 Projected</b>	<b>FY'12 Adopted</b>	<b>Through FY'12</b>	<b>Future Through FY'15</b>	<b>Total Project</b>
Water Capital Projects		20,000	20,000	20,000	20,000	<b>40,000</b>	60,000	<b>100,000</b>
						<b>0</b>		<b>0</b>
						<b>0</b>		<b>0</b>
<b>Total Resources</b>						<b>40,000</b>		<b>100,000</b>

**Requirements**

Expenditures		20,000	20,000	20,000	20,000	<b>40,000</b>	60,000	<b>100,000</b>
Transfers/ Contingency						<b>0</b>		<b>0</b>
<b>Ending Balance by Year</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>40,000</b>		<b>100,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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

**Project WA6059 Pump Station Repairs**

**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**

**Resources**

	<b>Actual Through FY'10</b>	<b>FY'11 Adopted</b>	<b>FY'11 Revised</b>	<b>FY'12 Projected</b>	<b>FY'12 Adopted</b>	<b>Through FY'12</b>	<b>Future Through FY'15</b>	<b>Total Project</b>
Water Capital Projects		25,000	25,000			25,000	75,000	100,000
						0		0
						0		0
<b>Total Resources</b>						25,000		100,000

**Requirements**

Expenditures		25,000	10,000		15,000	25,000	75,000	100,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>0</b>	<b>0</b>	<b>15,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						25,000		100,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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## Program: Utilities/Water – Capital Construction

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

### 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.



**Estimated Total Project Cost: \$200,000**

### Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects				116,000	0	0	116,000	116,000
Water SDCs (42%)		84,000	0			0	84,000	84,000
						0		0
<b>Total Resources</b>						0		200,000

### Requirements

Expenditures		84,000	0	116,000	0	0	200,000	200,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	0	0	0	0	0	0	0	0
<b>Total Requirements</b>						0		200,000

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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

**Project WA6121 Disinfection Byproducts**

**Project Description**

This project will identify and remove disinfection byproducts from the water system.

**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.

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

**Resources**

	<b>Actual Through FY'10</b>	<b>FY'11 Adopted</b>	<b>FY'11 Revised</b>	<b>FY'12 Projected</b>	<b>FY'12 Adopted</b>	<b>Through FY'12</b>	<b>Future</b>	<b>Total Project</b>
Water Capital Projects					100,000	<b>100,000</b>		<b>100,000</b>
						0		0
						0		0
<b>Total Resources</b>						<b>100,000</b>		<b>100,000</b>

**Requirements**

Expenditures					100,000	<b>100,000</b>		<b>100,000</b>
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>100,000</b>		<b>100,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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

**Project**      **WA6122**      **WTP Emergency Power Generator**

**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**

	<b>Actual Through FY'10</b>	<b>FY' 11 Adopted</b>	<b>FY'11 Revised</b>	<b>FY' 12 Projected</b>	<b>FY'12 Adopted</b>	<b>Through FY'12</b>	<b>Future</b>	<b>Total Project</b>
Water Capital Projects		0	0	0	250,000	<b>250,000</b>		<b>250,000</b>
						0		0
						0		0
<b>Total Resources</b>						<b>250,000</b>		<b>250,000</b>

**Requirements**

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

Adopted FY' 11 and Projected FY'12 will NOT add into TOTALS

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## Project Closed – FY 2011

<b>Program: Utilities/Water – Capital Construction</b>
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<b>Project: WA4863 Hilltop Fire Pump Upgrade</b>
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### Project Description

This project consists of installing a triplex 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.

**Future and Ongoing Costs:** Routine and periodic maintenance.

### Project Complete

**Estimated Total Project Cost: \$ 706,000**

### Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	706,000		-45,000			661,000		661,000
						0		0
						0		0
<b>Total Resources</b>						<b>661,000</b>		<b>661,000</b>

### Requirements

Expenditures	651,207		9,793			661,000		661,000
Transfers/Contingency						0		0
<b>Ending Balance by Year</b>	<b>54,793</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>661,000</b>		<b>661,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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## Project Closed – FY 2011

<b>Program: Utilities/Water – Capital Construction</b>
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Project      WA4967      Plant Landscaping
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**Project Description**

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.

Council reviewed the project and directed staff to proceed with the improvements at the Water Treatment Plant. Phase 1 will be underway in 2009.

**Future and Ongoing Costs:** Routine and periodic maintenance.

**Project Complete**

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

**Resources**

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	110,000		2,000			112,000		112,000
						0		0
						0		0
<b>Total Resources</b>						<b>112,000</b>		<b>112,000</b>

**Requirements**

Expenditures	108,602	2,700	3,398	2,174	0	112,000		112,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>1,398</b>	<b>2,174</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>112,000</b>		<b>112,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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# Project Closed – FY 2011

## Program: Utilities/Water – Capital Construction

**Project**      **WA4968**      **Influent Pump VFD's**

**Project Description**

This project will install 2 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.

**Future and Ongoing Costs:** Routine and periodic maintenance.



**Project Complete.**

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

**Resources**

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	220,000		-22,542			197,458		197,458
						0		0
						0		0
<b>Total Resources</b>						197,458		197,458

**Requirements**

Expenditures	197,458					197,458		197,458
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	22,542	0	0	0	0	0	0	0
<b>Total Requirements</b>						197,458		197,458

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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## Project Closed – FY 2011

<b>Program: Utilities/Water – Capital Construction</b>
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<b>Project</b>	WA5027	Leonard Road Water Line Loop 2
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**Project Description**

This project will consist of installing 620 feet of 8 inch water line in Estates Lane to effect a water loop between Willow Lane and Devonshire Way.

**Need for Project**

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

**Future and Ongoing Costs:** Routine and periodic maintenance.



Original estimate of \$145,000 redefined with scope change

**Estimated Total Project Cost: \$75,000**

**Resources**

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	45,000		-3,813			41,187		41,187
Water SDCs	32,000					32,000		32,000
						0		0
<b>Total Resources</b>						73,187		73,187

**Requirements**

Expenditures	73,162		25			73,187		73,187
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	3,838	0	0	0	0	0	0	0
<b>Total Requirements</b>						73,187		73,187

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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## Project Closed – FY 2011

<b>Program: Utilities/Water – Capital Construction</b>
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<b>Project WA5097 Feasibility of On-Site Cl2 Generation</b>
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### Project Description

This project will evaluate the feasibility of on-site chlorine generation for the disinfection of drinking water. This would replace the bulk delivery of hypochlorite (bleach) currently used, switching to less frequent deliveries of bulk salt instead.

### Need for Project

The project will evaluate as to whether this technology offers the potential to significantly reduce truck traffic in and out of the Water Filtration Plant. It will also evaluate potential benefits in regards to the formation of disinfection by-products on-site generation of hypochlorite may provide.

**Future and Ongoing Costs: NA**

**Project dropped at this time.**

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

### Resources

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	10,000		-10,000			0		0
Water SDCs (42%)						0		0
						0		0
<b>Total Resources</b>						<b>0</b>		<b>0</b>

### Requirements

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

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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## Project Closed – FY 2011

<b>Program: Utilities/Water – Capital Construction</b>
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<b>Project</b> <b>WA5098</b> <b>Air Scour in Filters</b>
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**Project Description**

This project will engineer and install an air scour system in the filters to assist with backwash filter cleaning. This will include adding air scour piping, electric blowers and necessary controls.



**Need for Project**

This project will greatly increase filter efficiencies by reducing the amount of backwash water needed. Filter run times will also be lengthened and safety hazards currently experienced while maintaining the filters will be eliminated.

**Future and Ongoing Costs: NA**

**Project dropped at this time**

**Estimated Total Project Cost:    \$ 400,000**

**Resources**

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects						0		0
Water SDCs (42%)						0		0
						0		0
<b>Total Resources</b>						0		0

**Requirements**

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

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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## Project Closed – FY 2011

<b>Program: Utilities/Water – Capital Construction</b>
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<b>Project</b> WA 6044      Meadow Wood Ph 10 Elderberry to Windham
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**Project Description**

Installation of approximately 230 feet of 12” zone 2 water line.

**Need for Project**

Installation of 12” water line will coincide with developer installed 8” line prior to road improvements.

**Future and Ongoing Costs:** NA

**Project Complete**

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

**Resources**

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	25,000		5,000			30,000		30,000
						0		0
						0		0
<b>Total Resources</b>						<b>30,000</b>		<b>30,000</b>

**Requirements**

Expenditures	29,861		139			30,000		30,000
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>-4,861</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>30,000</b>		<b>30,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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## Project Closed – FY 2011

<b>Program: Utilities/Water – Capital Construction</b>
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<b>Project WA6061 WTP Roof Replacement</b>
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**Project Description**

This will complete roof repairs on the treatment plant main building.

**Need for Project**

Various areas of the WTP has experienced leaks in the roof areas. A consultant evaluation of the roof resulted in the recommendation of various replacement and repairs.

**Future and Ongoing Costs:** Routine and periodic maintenance.



**Project Complete**

**Estimated Total Project Cost: \$110,000**

**Resources**

	Actual Through FY'10	FY'11 Adopted	FY'11 Revised	FY'12 Projected	FY'12 Adopted	Through FY'12	Future	Total Project
Water Capital Projects	20,000	90,000	60,000			<b>80,000</b>		<b>80,000</b>
						0		0
						0		0
<b>Total Resources</b>						<b>80,000</b>		<b>80,000</b>

**Requirements**

Expenditures	6,558	90,000	73,442			<b>80,000</b>		<b>80,000</b>
Transfers/ Contingency						0		0
<b>Ending Balance by Year</b>	<b>13,442</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Requirements</b>						<b>80,000</b>		<b>80,000</b>

Adopted FY'11 and Projected FY'12 will NOT add into TOTALS

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