
Program: Utilities/Water – Capital Construction

Services Delivered:

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

FY'14 Anticipated Accomplishments & Corresponding Council Goal - Strategic Plan Item:

Maintain, Operate, and Expand our Infrastructure

Objective 1: Plan for utility infrastructure

- Complete master plans for 20-year utility infrastructure after UGB completion.
- Study life/capacity of Water Treatment Plant and research potential new sites.

Objective 2: Design and construct needed water facilities

- Replace Reservoir 3.
- Complete Starlite Pump Station upgrade.
- Pursue backup power for the Water Treatment Plant
- Continue the Small Main Replacement program.

Budget Highlights:

The Active Capital Project list includes projects coming to a close in FY'13, but which are not finalized at this time.

The project listing shows resources across the columns. Columns show the “Actual resources through FY'12”; the re-assessed resource needs of projects using current data for the “Revised FY'13” column, guiding our “Adopted FY'14” and resources estimated “Through FY'14”. We have “Future Years” and “Total Project” columns for each project. Refer to the individual project pages for more information on 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.

FY'13 Activity Review:

- Completed the installation of a redundant backwash pump at the Water Treatment Plant.
- Completed design and began construction of replacement Reservoir No. 3.
- Continued work on the Small Main Replacement program.
- Continued work on the Water Treatment Plant Facility Plan.
- Began design work to install emergency power to the Water Treatment Plant.
- Began work on updating the Water Management and Conservation Plan.
- Began negotiations with ODFW and OWRD on time extensions for the development of the City's municipal water rights.

Program: Utilities/Water – Capital Construction

ACTIVE CAPITAL PROJECT RESOURCES

	Actual Through FY'12	Revised FY'13	A d o p t e d FY'14	Total Through FY'14	Future Years	Total Project
WA0000 Miscellaneous Water Projects - SDC's (752)	473,212	4,000	(246,000)	231,212	(8,209,000)	(7,977,788)
WA0000 Miscellaneous Water Projects - AFD's (755)	34,684	(29,673)	(5,011)	0	0	0
WA0000 Miscellaneous Water Projects - General (758)	185,185	87,964	81,011	354,160	(19,714,000)	(19,359,840)
WA0000 Miscellaneous Water Projects - LID's (759)	13,545	(964)	0	12,581	0	12,581
WA4526 Starlite Pump Station Upgrade	245,000	0	0	245,000	0	245,000
WA4742 Meadow Wood Reservoir No. 16 - Site Purchase	110,000	0	150,000	260,000	90,000	350,000
WA4841 Small Main Replacement	266,324	50,000	50,000	366,324	3,100,000	3,466,324
WA4966 Water Conservation & Mgmt Plan Updt	50,000	20,000	0	70,000	0	70,000
WA4971 Meadow Wood Reservoir No. 16	0	0	0	0	1,575,000	1,575,000
WA5028 Water Main on Private Property	50,000	0	0	50,000	0	50,000
WA5094 Water Distribution System Master Plan Update	120,000	20,000	0	140,000	0	140,000
WA5096 WTP Structural Repairs	300,000	50,000	75,000	425,000	345,000	770,000
WA6000 MSA Task Order #1	60,000	20,000	10,000	90,000	80,000	170,000
WA6001 Water Main Looping	55,000	0	0	55,000	670,000	725,000
WA6002 WTP Facility Plan Update	200,000	100,000	0	300,000	0	300,000
WA6052 Reservoir No. 3 Upgrades	623,000	5,220,000	200,000	6,043,000	0	6,043,000
WA6058 Water System Security Projects	40,000	10,000	10,000	60,000	70,000	130,000
WA6059 Pump Station Repairs	25,000	40,000	10,000	75,000	85,000	160,000
WA6122 WTP Emergency Generator	250,000	(50,000)	50,000	250,000	0	250,000
WA6168 WTP Exterior Repairs & Painting	0	55,000	105,000	160,000	0	160,000
NEW PROJECTS						
WA6204 Fall Protection at Reservoirs & Pump Stns	0	0	50,000	50,000	0	50,000
WA6205 New Hope Pump Station Fire Pump	0	0	150,000	150,000	0	150,000
WA6206 Reservoir No 4 Hatch Repairs	0	0	75,000	75,000	0	75,000
WA6207 WTP Upgrade	0	0	685,000	685,000	23,815,000	24,500,000
Total Projects	3,100,950	5,596,327	1,450,000	10,147,277	1,907,000	12,054,277

CLOSED OR CANCELLED CAPITAL PROJECT RESOURCES

WA4693 Booster Station Pump and Motor Rebuilds	105,000	(44,000)	0	61,000	0	61,000
WA4965 WTP Solids Handling	628,000	(50,000)	0	578,000	0	578,000
WA6057 Backwash Pump Redundancy	509,000	39,000	0	548,000	0	548,000
WA6167 D & E & Dimmick Water Main Abandonment	0	155,000	0	155,000	0	155,000
Total Closed Projects	1,242,000	100,000	0	1,342,000	0	1,342,000
Grand Total - All Projects	4,342,950	5,696,327	1,450,000	11,489,277	1,907,000	13,396,277

Program: Utilities/Water – Capital Construction

ACTIVE CAPITAL PROJECT SUMMARIES FOR FY'14

		Adopted FY'14 Beginning Fund Balance	Adopted FY'14 Revenue	Adopted FY'14 Capital Outlay	Adopted FY'14 Transfers	Adopted FY'14 Appropriated Fund Balance
WA0000	Miscellaneous Water Projects - SDC's (752)	272,212	(246,000)	0	0	26,212
WA0000	Miscellaneous Water Projects - AFD's (755)	5,011	(5,011)	0	0	0
WA0000	Miscellaneous Water Projects - General (758)	168,120	81,011	0	0	249,131
WA0000	Miscellaneous Water Projects - LID's (759)	0	0	0	0	0
WA4526	Starlite Pump Station Upgrade	43,940	0	43,940	0	0
WA4742	Meadow Wood Reservoir No. 16 - Site Purchase	2,996	150,000	152,996	0	0
WA4841	Small Main Replacement	13,037	50,000	63,037	0	0
WA4966	Water Conservation & Mgmt Plan Updt	0	0	0	0	0
WA4971	Meadow Wood Reservoir No. 16	0	0	0	0	0
WA5028	Water Main on Private Property	0	0	0	0	0
WA5094	Water Distribution System Master Plan Update	83,613	0	83,613	0	0
WA5096	WTP Structural Repairs	15,415	75,000	90,415	0	0
WA6000	MSA Task Order #1	8,712	10,000	18,712	0	0
WA6001	Water Main Looping	30,000	0	30,000	0	0
WA6002	WTP Facility Plan Update	7,336	0	7,336	0	0
WA6052	Reservoir No. 3 Upgrades	2,208,342	200,000	2,408,342	0	0
WA6058	Water System Security Projects	0	10,000	10,000	0	0
WA6059	Pump Station Repairs	25,000	10,000	35,000	0	0
WA6122	WTP Emergency Generator	49,324	50,000	99,324	0	0
WA6168	WTP Exterior Repairs & Painting	0	105,000	105,000	0	0
NEW PROJECTS						
WA6204	Fall Protection at Reservoirs & Pump Stns	0	50,000	50,000	0	0
WA6205	New Hope Pump Station Fire Pump	0	150,000	150,000	0	0
WA6206	Reservoir No 4 Hatch Repairs	0	75,000	75,000	0	0
WA6207	WTP Upgrade	<u>0</u>	<u>685,000</u>	<u>685,000</u>	<u>0</u>	<u>0</u>
	Total Projects	<u>2,933,058</u>	<u>1,450,000</u>	<u>4,107,715</u>	<u>0</u>	<u>275,343</u>

Program: Utilities/Water – Capital Construction

Financial Summary

	ACTUAL FY'11 \$	ACTUAL FY'12 \$	BUDGET FY'13 \$	MANAGER RECOMMEND FY'14 \$	COMMITTEE APPROVED FY'14 \$	COUNCIL ADOPTED FY'14 \$	PROJECTED FY'15 \$
Beginning Fund Balance	<u>1,935,415</u>	<u>2,287,706</u>	<u>1,353,922</u>	<u>2,933,058</u>	<u>2,933,058</u>	<u>2,933,058</u>	<u>275,343</u>
Development Charges	186,205	98,420	150,000	150,000	150,000	150,000	150,000
Investment Interest	17,136	14,909	14,000	14,000	14,000	14,000	14,000
Advance Finance Interest	601	0	0	0	0	0	0
SDC Loans	7,055	7,699	0	0	0	0	0
General Fund	0	0	150,000	100,000	100,000	100,000	50,000
Transportation Projects	127,000	0	0	0	0	0	0
Water Fund	522,531	502,801	394,327	1,168,000	1,168,000	1,168,000	818,000
Advance Financing	53,023	266	2,000	18,000	18,000	18,000	20,000
Miscellaneous Revenue	<u>0</u>	<u>6,333</u>	<u>5,555,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<i>Total Current Revenues</i>	<u><i>913,551</i></u>	<u><i>630,428</i></u>	<u><i>6,265,327</i></u>	<u><i>1,450,000</i></u>	<u><i>1,450,000</i></u>	<u><i>1,450,000</i></u>	<u><i>1,052,000</i></u>
Total Resources	<u>2,848,966</u>	<u>2,918,134</u>	<u>7,619,249</u>	<u>4,383,058</u>	<u>4,383,058</u>	<u>4,383,058</u>	<u>1,327,343</u>
Requirements							
Capital Outlay	401,260	619,845	5,724,436	4,177,715	4,107,715	4,107,715	1,200,000
Transfers Out	<u>160,000</u>	<u>200,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<i>Subtotal Expenditures</i>	<u><i>561,260</i></u>	<u><i>819,845</i></u>	<u><i>5,724,436</i></u>	<u><i>4,177,715</i></u>	<u><i>4,107,715</i></u>	<u><i>4,107,715</i></u>	<u><i>1,200,000</i></u>
Appropriated Fund Balance	<u>2,287,706</u>	<u>2,098,289</u>	<u>1,894,813</u>	<u>205,343</u>	<u>275,343</u>	<u>275,343</u>	<u>127,343</u>
Total Requirements	<u>2,848,966</u>	<u>2,918,134</u>	<u>7,619,249</u>	<u>4,383,058</u>	<u>4,383,058</u>	<u>4,383,058</u>	<u>1,327,343</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'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water SDC's	4,369,457	150,000	150,000	150,000	4,669,457	150,000	450,000	5,269,457
Transfers To Projects	(4,019,115)	(150,000)	(150,000)	(400,000)	(4,569,115)	(175,000)	(8,650,000)	(13,394,115)
Investment Interest	122,870	4,000	4,000	4,000	130,870	4,000	12,000	146,870
Total Resources					130,870			146,870

Requirements

Expenditures	205,000				205,000			205,000
Transfers/ Contingency					0			0
Ending Balance by Year	268,212	160,893	272,212	26,212	26,212	5,212	(8,182,788)	(8,182,788)
Total Requirements					231,212			(7,977,788)

Program: Utilities/Water – Capital Construction

Project	WA0000	Fund 755 Water Advanced Financing
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Project Description

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

Need for Project

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



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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects AFD's	834,754	2,000	18,000	18,000	870,754	20,000	30,000	920,754
AFD's to projects	(829,778)	(47,673)	(47,673)	(23,011)	(900,462)	(20,000)	(30,000)	(950,462)
Investment Interest	29,708				29,708			29,708
Total Resources					29,708			29,708

Requirements

Expenditures					0			0
Transfers/ Contingency					0			0
Ending Balance by Year	34,684	0	5,011	0	0	0	0	0
Total Requirements					0			0

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'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	6,158,291	395,285	395,291	1,168,000	7,721,582	818,000	333,000	8,872,582
Water Funds to Projects	(8,678,855)	(365,000)	(365,000)	(1,120,000)	(10,163,855)	(975,000)	(19,980,000)	(31,118,855)
Advance Finance District	829,778	47,673	47,673	23,011	900,462	20,000	30,000	950,462
Investment Interest	1,187,556	10,000	10,000	10,000	1,207,556	10,000	30,000	1,247,556
Return:Lands & Bldgs & Transportation	440,800				440,800			440,800
Other	247,615				247,615			247,615
Total Resources					354,160			(19,359,840)

Requirements

Expenditures	105,028				105,028			105,028
Transfers					0			0
Ending Balance by Year	80,157	160,920	168,121	249,132	249,132	122,132	(19,464,868)	(19,464,868)
Total Requirements					354,160			(19,359,840)

Program: Utilities/Water – Capital Construction

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

This project accounts for the distribution of funds to various 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 have a zero balance until needed for any future Local Improvement District projects.

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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	12,942	(958)	(964)		11,978			11,978
Interest	603				603			603
					0			0
Total Resources					12,581			12,581

Requirements

Expenditures	12,581				12,581			12,581
Transfers/ Contingency					0			0
Ending Balance by Year	964	0	0	0	0	0	0	0
Total Requirements					12,581			12,581

Program: Utilities/Water – Capital Construction

Project	WA4526	Starlite Pump Station Upgrade
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Project Description

Originally this project was to upgrade pumps and install a backup emergency power generator in the Starlite Pump Station. After a pre-design assessment, a new approach was identified – the installation of a pressure reducing station to allow flow between Starlite and Laurelridge pump stations in cases of emergency.



Need for Project

This project will reliably provide fire flows between Starlite Pump Station and Laurelridge pump station service areas.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs: Final design and construction of improvements.

Estimated Total Project Cost: \$245,000

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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	245,000				245,000			245,000
					0			0
					0			0
Total Resources					245,000			245,000

Requirements

Expenditures	126,060	73,095	75,000	43,940	245,000			245,000
Transfers/ Contingency					0			0
Ending Balance by Year	118,940	0	43,940	0	0	0	0	0
Total Requirements					245,000			245,000

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.



Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

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'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	97,000				97,000	35,000	55,000	187,000
Water SDC	13,000			150,000	163,000			163,000
Total Resources					260,000			350,000

Requirements

Expenditures	17,004	35,996	90,000	152,996	260,000	35,000	55,000	350,000
Transfers/ Contingency					0			0
Ending Balance by Year	92,996	0	2,996	0	0	0	0	0
Total Requirements					260,000			350,000

Program: Utilities/Water – Capital Construction

Project	WA4841	Small Main Replacement
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Project Description

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

Need for Project

The mains to be replaced do not meet adopted water service standards. Fire flow capacity is not provided and there is a relatively high rate of leak repairs. The pipes are typically clogged with rust or hardness deposits producing low delivery pressures during use. As a specific location and cost is identified, a capital project will be created to track the specific project costs. As of January 2013, about 25,000 linear feet of undersized water main is still in service.



Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs: Project identification, ranking, design and construction.

Estimated Total Project Cost: Original estimate of \$1,200,000 revised to \$3,500,000 to reflect difficulty of some installations. Funded at \$50,000/year as available.

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	260,000	50,000	50,000	50,000	360,000	50,000	3,000,000	3,410,000
Other	6,324				6,324			6,324
General Fund					0	50,000		50,000
Total Resources					366,324			3,466,324

Requirements

Expenditures	203,287	96,173	100,000	63,037	366,324	100,000	3,000,000	3,466,324
Transfers/Contingency					0			0
Ending Balance by Year	63,037	0	13,037	0	0	0	0	0
Total Requirements					366,324			3,466,324

Program: Utilities/Water – Capital Construction

Project	WA4966	Water Management and Conservation Plan Update
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Project Description

This project will update the City’s Water Management and Conservation Plan (WMCP). The WMCP 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 WMCP 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. Completing the WMCP is a condition of our water rights permits. Satisfying the permit conditions is a prerequisite to the currently on-going water rights extension process.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 1: Plan for utility infrastructure.

Future and Ongoing Costs: Water rights extension process.

Original estimate of \$80,000 redefined to \$50,000. After the water rights extension process was added back in, new estimated total was derived.

Estimated Total Project Cost: ~~\$50,000~~ \$70,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	50,000		20,000		70,000			70,000
					0			0
					0			0
Total Resources					70,000			70,000

Requirements

Expenditures	6,736		63,264		70,000			70,000
Transfers/ Contingency					0			0
Ending Balance by Year	43,264	0						
Total Requirements					70,000			70,000

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.



Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

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

Original Estimated Total Project Cost: \$1,050,000
2013 Estimated Total Project Cost: \$1,575,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects					0		925,000	925,000
Water SDCs (42%)					0		650,000	650,000
					0			0
Total Resources					0			1,575,000

Requirements

Expenditures					0		1,575,000	1,575,000
Transfers/ Contingency					0			0
Ending Balance by Year	0	0	0	0	0	0	0	0
Total Requirements					0			1,575,000

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.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs

Objective 2: Design and construct needed water facilities.



Future and Ongoing Costs: Routine and periodic maintenance.

Estimated Total Project Cost: \$ 50,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 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	20,812	43,812		50,000			50,000
Transfers/ Contingency					0			0
Ending Balance by Year	43,812	0						
Total Requirements					50,000			50,000

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.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 1: Plan for utility infrastructure.

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'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	120,000	20,000	20,000		140,000			140,000
					0			0
					0			0
Total Resources					140,000			140,000

Requirements

Expenditures	16,387	95,000	40,000	83,613	140,000			140,000
Transfers/ Contingency					0			0
Ending Balance by Year	103,613	0	83,613	0	0	0	0	0
Total Requirements					140,000			140,000

Program: Utilities/Water – Capital Construction

Project	WA5096	WTP Structural Repairs
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Project Description

This project will fund many minor repairs necessary for the proper operation and long term maintenance of the Water Treatment Plant. Included items are: intake screen, stairways and landings for basin access, lab expansion, plant air compressors relocation, covered pipe storage, chemical storage upgrades 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.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs: Evaluation and repair of deficiencies.

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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	300,000	50,000	50,000	75,000	425,000	75,000	270,000	770,000
					0			0
					0			0
Total Resources					425,000			770,000

Requirements

Expenditures	234,585	50,000	100,000	90,415	425,000	75,000	270,000	770,000
Transfers/ Contingency					0			0
Ending Balance by Year	65,415	0	15,415	0	0	0	0	0
Total Requirements					425,000			770,000

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.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs: Development of new unidentified tasks.

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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future Thru FY'18	Total Project
Water Capital Projects	60,000	20,000	20,000	10,000	90,000	20,000	60,000	170,000
					0			0
					0			0
Total Resources					90,000			170,000

Requirements

Expenditures	41,288	30,000	30,000	18,712	90,000	20,000	60,000	170,000
Transfers/ Contingency					0			0
Ending Balance by Year	18,712	0	8,712	0	0	0	0	0
Total Requirements					90,000			170,000

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.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs: Routine periodic maintenance.

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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	55,000				55,000		670,000	725,000
					0			0
					0			0
Total Resources					55,000			725,000

Requirements

Expenditures		45,000	25,000	30,000	55,000		670,000	725,000
Transfers/ Contingency					0			0
Ending Balance by Year	55,000	0	30,000	0	0	0	0	0
Total Requirements					55,000			725,000

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.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs

Objective 1: Plan for utility infrastructure.

Future and Ongoing Costs: Development of the plan.

Original Estimated Total Project Cost: \$100,000

Revised Estimate: \$300,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	200,000	100,000	100,000		300,000			300,000
					0			0
					0			0
Total Resources					300,000			300,000

Requirements

Expenditures	52,664	150,000	240,000	7,336	300,000			300,000
Transfers/ Contingency					0			0
Ending Balance by Year	147,336	0	7,336	0	0	0	0	0
Total Requirements					300,000			300,000

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.



Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs

Objective 2: Design and construct needed water facilities.

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'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	223,000				223,000			223,000
Water Bond		5,400,000	4,870,000		4,870,000			4,870,000
Water SDCs	400,000	150,000	200,000	100,000	700,000			700,000
General Fund – Policy & Legislation		150,000	150,000	100,000	250,000			250,000
					0			0
					0			0
Total Resources					6,043,000			6,043,000

Requirements

Expenditures	134,658	4,527,000	3,500,000	2,408,342	6,043,000			6,043,000
Transfers					0			0
Ending Balance by Year	488,342	1,573,000	2,208,342	0	0	0	0	0
Total Requirements					6,043,000			6,043,000

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. The first location for security improvements will be at the Treatment Plant.

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.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

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

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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	40,000	10,000	10,000	10,000	60,000	10,000	60,000	130,000
					0			0
					0			0
Total Resources					60,000			130,000

Requirements

Expenditures	355	34,645	49,645	10,000	60,000	10,000	60,000	130,000
Transfers/ Contingency					0			0
Ending Balance by Year	39,645	0	0	0	0	0	0	0
Total Requirements					60,000			130,000

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 pumps, motors, 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. Additionally, pumps/motors will be changed out over a period of time to allow standardization of spare parts.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

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

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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	25,000		40,000	10,000	75,000	10,000	75,000	160,000
					0			0
					0			0
Total Resources					75,000			160,000

Requirements

Expenditures		15,000	40,000	35,000	75,000	10,000	75,000	160,000
Transfers/ Contingency					0			0
Ending Balance by Year	25,000	0	25,000	0	0	0	0	0
Total Requirements					75,000			160,000

Program: Utilities/Water – Capital Construction

Project	WA6122	WTP Emergency Power Generator
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Project Description

This project will purchase an emergency power generator and transfer switch gear for the WTP. The generator will be trailer mounted so it can be remotely stored.

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.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

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'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	250,000		(50,000)	50,000	250,000			250,000
					0			0
					0			0
Total Resources					250,000			250,000

Requirements

Expenditures	676	200,000	150,000	99,324	250,000			250,000
Transfers/ Contingency					0			0
Ending Balance by Year	249,324	0	49,324	0	0	0	0	0
Total Requirements					250,000			250,000

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.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs: Routine and periodic maintenance.

Estimated Total Project Cost: \$160,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects		110,000	55,000	105,000	160,000			160,000
Water SDCs					0			0
					0			0
Total Resources					160,000			160,000

Requirements

Expenditures		110,000	55,000	105,000	160,000			160,000
Transfers/ Contingency					0			0
Ending Balance by Year	0	0	0	0	0	0	0	0
Total Requirements					160,000			160,000

Program: Utilities/Water – Capital Construction

Project	WA6204	Fall Protection at Reservoirs and Pump Stations
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Project Description

This project will upgrade and standardize fall protection at all reservoir and pump station sites where required.

Need for Project

Currently fall protection is in need of repair and standardization for personnel protection. The existing system is hard to use and becoming obsolete.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs

Routine maintenance and upgrade.

Estimated Total Project Cost: \$50,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects				50,000	50,000			50,000
Water SDC					0			0
					0			0
Total Resources					50,000			50,000

Requirements

Expenditures				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

Program: Utilities/Water – Capital Construction

Project	WA6205	New Hope Pump Station Fire Pump
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Project Description

This project will add an additional fire pump to the New Hope Pump Station.

Need for Project

During a recent development review, it was noted the New Hope Pump Station does not have adequate fire flow per our current water standards. Until future Reservoir No. 17 is built, New Hope Pump Station will remain fire flow deficient.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs

Routine maintenance.

Estimated Total Project Cost: \$150,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects				150,000	150,000			150,000
Water SDC					0			0
					0			0
Total Resources					150,000			150,000

Requirements

Expenditures				150,000	150,000			150,000
Transfers/ Contingency					0			0
Ending Balance by Year	0	0	0	0	0	0	0	0
Total Requirements					150,000			150,000

Program: Utilities/Water – Capital Construction

Project	WA6206	Reservoir No. 4 Hatch Repairs
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Project Description

This project will replace Reservoir No. 4 roof access hatch. Minor modification to the reservoir venting and control will also occur.

Need for Project

Reservoir No. 4 was constructed about 1953. The roof access hatch no longer meets current security standards to prevent unauthorized access, and is not compliant with Oregon Health Authority.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs

Routine inspection and maintenance.

Estimated Total Project Cost: \$75,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects				75,000	75,000			75,000
Water SDC					0			0
					0			0
Total Resources					75,000			75,000

Requirements

Expenditures				75,000	75,000			75,000
Transfers/ Contingency					0			0
Ending Balance by Year	0	0	0	0	0	0	0	0
Total Requirements					75,000			75,000

Program: Utilities/Water – Capital Construction

Project	WA6207	WTP Upgrade
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Project Description

This project will address process issues (ie solids handling), seismic/structural concerns and capacity limitations. This project will begin accumulating resources for an upgrade to the WTP.

Need for Project

A preliminary design report for solids handling improvements was completed in February 2010. The associated seismic upgrades required to construct the improvements were staggering. This led to the 1st phase of the WTP Facility Plan update – a site wide seismic/structural evaluation. The evaluation identified multi-million dollars of structural deficiency. The final facility planning effort will evaluate options for the future of the WTP. These options will range from temporary repairs, to rebuilding on-site, to relocation of the plant.

Council Strategic Goal: Maintain, Operate and Expand Our Infrastructure to Meet Community Needs
Objective 2: Design and construct needed water facilities.

Future and Ongoing Costs

Once the Facility Plan is complete, a determination of the best path forward will be made. The current estimated project cost is based upon the 2004 Facility Plan CIP and the seismic/structural evaluation completed in July 2012.

Estimated Total Project Cost: \$24,500,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects				535,000	535,000	775,000	14,865,000	16,175,000
Water SDC				150,000	150,000	175,000	8,000,000	8,325,000
					0			0
					0			0
					0			0
					0			0
Total Resources					685,000			24,500,000

Requirements

Expenditures				685,000	685,000	950,000	22,865,000	24,500,000
Transfers					0			0
Ending Balance by Year	0	0	0	0	0	0	0	0
Total Requirements					685,000			24,500,000

Project Closed – FY 2013

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.

This project is to close. The intent of the project and funding is to transfer to project WA6059

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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future Thru FY'18	Total Project
Water Capital Projects	45,000	5,000	-44,000		1,000			1,000
Water Treatment	60,000				60,000			60,000
					0			0
Total Resources					61,000			61,000

Requirements

Expenditures	60,480	30,411	520		61,000			61,000
Transfers/ Contingency					0			0
Ending Balance by Year	44,520	0	0	0	0	0	0	0
Total Requirements					61,000			61,000

Project Closed – FY 2013

Program: Utilities/Water – Capital Construction

Project	WA4965	WTP Solids Handling
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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.

This project is to close. The intent of this project will be included within new proposed project WTP Upgrade.

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

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

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	117,000				117,000			117,000
Water R SDCs	511,000		(50,000)		461,000			461,000
					0			0
Total Resources					578,000			578,000

Requirements

Expenditures	559,351	30,394	18,649		578,000			578,000
Transfers/Contingency					0			0
Ending Balance by Year	68,649	0	0	0	0	0	0	0
Total Requirements					578,000			578,000

Project Closed – FY 2013

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: Ongoing and routine maintenance.

Project Complete



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'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Capital Projects	373,000		39,000		412,000			412,000
Water SDCs 42%	136,000				136,000			136,000
					0			0
Total Resources					548,000			548,000

Requirements

Expenditures	262,335	25,910	285,665		548,000			548,000
Transfers/Contingency					0			0
Ending Balance by Year	246,665	0	0	0	0	0	0	0
Total Requirements					548,000			548,000

Project Closed – FY 2013

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 relocate water service lines from backyards and alleys to the street frontage and improve domestic water service pressures. This project also relocates a water service which will allow for the isolation of the 16" main feeding Reservoir No. 3 (a requirement prior to the replacement of the reservoir). Once complete, the difficult to access 16" water main in the alley can be abandoned.

Future and Ongoing Costs: Routine and periodic maintenance.

Project Complete zero and close

Estimated Total Project Cost: \$155,000

Resources

	Actual Through FY'12	FY'13 Adopted	FY'13 Revised	FY'14 Adopted	Through FY'14	FY'15 Projected	Future	Total Project
Water Bond		155,000	100,000		100,000			100,000
Water Capital Projects			55,000		55,000			55,000
					0			0
Total Resources					155,000			155,000

Requirements

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

WHERE THE ROGUE RIVER RUNS



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