



INTEROFFICE MEMO

EUGENE WATER & ELECTRIC BOARD WATER DIVISION

August 28, 2007

TO: Commissioners Menegat, Simpson, Lanning, Farmer and Brown

FROM: Mel Damewood, Water Engineering Manager

RE: 2008 Water Division 10-Year Capital Improvement Plan (CIP)

Issue Statement

At the September 4, 2007 Board meeting, Staff will present the Water Division's 2008 10-Year CIP. At the Board Retreat in July, staff provided a detailed backgrounder about the chronology of events of the 2008 Water CIP and described the contents of the Capital Plan, with recent findings and changes. On September 4, Staff will be requesting Board approval of the 10-Year CIP.

Background

Attached is the 10-year capital plan document and spreadsheet view for your review. The document outlines in detail each project area and job level descriptions with project drivers. The goals of the CIP are the following:

- Provide a guideline and balanced program for capital improvements over a ten-year period
- Within the first 5 years of the CIP, projects will have planning level estimates and have concept approval
- Final study will be conducted 3 years prior to construction
- Design shall be completed in year prior of construction
- Provide a year by year plan for capital improvements for use in the annual budget preparation
- Illustrate unmet capital needs based on anticipated funding levels
- Provide a mechanism to obtain additional funding
- Provides a 10-year outlook to forecast sustainability of System Development charges (SDC's)
- Provide a 10-year outlook to forecast long term financial needs

Discussion

2008– 2017 CIP Update

Since we last met in July, there has been further refinement of the CIP in certain areas. These areas include further definition of project work at Hayden Bridge and evaluating carry-over work that will occur from 2007 to 2008 on certain projects. In mid-August, the Water Division received bids on the Laurel Hill 850 reservoir project, which now necessitates additional funding needs in 2008.

The largest area of uncertainty in the capital plan is with the Second Source work. On August 7th, staff presented the joint study Two Rivers, Two Cities, Two Utilities where EWEB worked closely with SUB to identify potential benefits of obtaining our redundancy/emergency source needs jointly as opposed to pursuing them separately. EWEB Board members support the continuation of such joint planning efforts, and it will be a few months before the SUB Board considers the same study. At this point, there are only partial funds identified within the CIP to cover second source alternatives.

Although the overall projected funding needs has been revised from \$111 million (2006 CIP) to \$129.4 million over the 10-year period, staff worked to spread those projects over the 10-year period in order not to impact rates and funding needs any further than what has been previously predicted.

Recommendation

Over the past year, staff has met with the Board numerous times to discuss the needs, risks, and costs of the Capital Plan. Water Division Staff has worked to bring an expanded Capital Improvement Plan and subsequent financial plan to support the increasing needs of the Water Utility. Staff recommends that the Board approve the Water Division's 10-Year Capital Improvement Plan for calendar years 2008-2017. Approval of the plan implies the Board will support future actions to fund the needs as outlined in the Water Division's financial plan.

Action

Staff requests the following action: Approval of Water Division's 10-Year Capital Improvement Plan for Calendar Years 2008-2017. If you have more questions please contact Mel Damewood at 341-1878 or e-mail at mel.damewood@eweb.eugene.or.us

			2008	2009	2010	2011	2012	2008-2012	2013-2017	2008-2017	2013	2014	2015	2016	2017	Renewal Replacement	Capacity Improvement
014017	Water Reservoir Additions																
014017	026185	Reservoir Security Improvements	34,000	35,000	0	0	0	69,000	0	69,000	0	0	0	0	0	100	0
014017		College Hill 603 Reservoir Rehab or Decommission	64,000	0	0	0	0	64,000	0	64,000	0	0	0	0	0	100	0
014017		Skinner's Butte 603 Reservoir Rehab or Decom	64,000	0	0	0	0	64,000	0	64,000	0	0	0	0	0	100	0
014017		Laurel Hill 850 Reservoir Increased Costs	575,000	0	0	0	0	575,000	0	575,000	0	0	0	0	0	55	45
014017		City View 800 No. 1 Reservoir Repair & Struct. Upgrades	0	0	0	0	0	0	921,000	921,000	0	0	0	112,000	809,000	100	0
014017		Dillard 800 Reservoir Repair & Struct. Upgrades	0	0	88,000	639,000	0	727,000	0	727,000	0	0	0	0	0	100	0
014017		Willamette 800 No. 1 Reservoir Repair & Struct. Upgrades	0	0	0	0	95,000	95,000	691,000	786,000	691,000	0	0	0	0	100	0
014017		Willamette 975 Reservoir Repair & Struct. Upgrades	82,000	591,000	0	0	0	673,000	0	673,000	0	0	0	0	0	100	0
014017		Bloomberg 700 Reservoir Repair & Struct Upgrades	0	0	0	0	0	0	851,000	851,000	0	103,000	748,000	0	0	100	0
014017		College Hill 607 Repair and Seismic Retrofit	0	0	878,000	913,000	0	1,791,000	0	1,791,000	0	0	0	0	0	100	0
014017		Hawkins Hill 607 Roof Repair and Seismic Retrofit	0	265,000	0	0	0	265,000	0	265,000	0	0	0	0	0	100	0
014017		Hawkins Hill 607 Inlet/outlet Pipe Modifications	0	0	0	0	0	0	342,000	342,000	26,000	316,000	0	0	0	100	0
014017		College Hill 607 Inlet/outlet Pipe Modifications	0	0	0	0	0	0	370,000	370,000	0	0	28,000	342,000	0	100	0
014017		Shasta 1150 Reservoir (Storage/Fire Flow Improvement)	190,000	1,969,000	0	0	0	2,159,000	0	2,159,000	0	0	0	0	0	50	50
014017		Crest 800 Reservoir (Storage/Fire Flow Improvement)	0	79,000	504,000	0	0	583,000	0	583,000	0	0	0	0	0	50	50
014017		Crest 975 Reservoir (Storage/Fire Flow Improvement)	0	0	0	0	0	0	1,091,000	1,091,000	127,000	964,000	0	0	0	0	100
014017		Willamette 1325 Reservoir (Storage/Fire Flow Improvement)	0	0	0	122,000	633,000	755,000	0	755,000	0	0	0	0	0	0	100
014017		College Hill 607 A/C power service upgrade	16,000	0	0	0	0	16,000	0	16,000	0	0	0	0	0	100	0
014017		College Hill 607 New Control valves for N/S cells	21,000	0	0	0	0	21,000	0	21,000	0	0	0	0	0	100	0
014017	027264	College Hill 607 Reservoir Security Improvements	338,000	0	0	0	0	338,000	0	338,000	0	0	0	0	0	100	0
		Project Total	1,384,000	2,939,000	1,470,000	1,674,000	728,000	8,195,000	4,266,000	12,461,000	844,000	1,383,000	776,000	454,000	809,000		
014507	Water Transmission Improvements																
014507		Cathodic Protection Installation for Transmission Mains	0	338,000	0	0	0	338,000	0	338,000	0	0	0	0	0	100	0
		Project Total	0	338,000	0	0	0	338,000	0	338,000	0	0	0	0	0		
014018	Water Services & Meters																
014018		Replacement of Water Meters	55,000	69,000	71,000	74,000	77,000	346,000	474,000	820,000	88,000	91,000	95,000	98,000	102,000	100	0
		Project Total	55,000	69,000	71,000	74,000	77,000	346,000	474,000	820,000	88,000	91,000	95,000	98,000	102,000		
014152	Water Main Replacements																
014152		2008 Annual Pipe Replacement	1,256,000	0	0	0	0	1,256,000	0	1,256,000	0	0	0	0	0	95	5
014152		2009 Annual Pipe Replacement	103,000	1,330,000	0	0	0	1,433,000	0	1,433,000	0	0	0	0	0	95	5
014152		2010 Annual Pipe Replacement	0	115,000	1,399,000	0	0	1,514,000	0	1,514,000	0	0	0	0	0	95	5
014152		2011 Annual Pipe Replacement	0	0	140,000	1,499,000	0	1,639,000	0	1,639,000	0	0	0	0	0	95	5
014152		2012 Annual Pipe Replacement	0	0	0	187,000	1,739,000	1,926,000	0	1,926,000	0	0	0	0	0	95	5
014152		2013 Annual Pipe Replacement	0	0	0	0	178,000	178,000	2,059,000	2,237,000	2,059,000	0	0	0	0	95	5
014152		2014 Annual Pipe Replacement	0	0	0	0	0	0	2,408,000	2,408,000	203,000	2,205,000	0	0	0	95	5
014152		2015 Annual Pipe Replacement	0	0	0	0	0	0	2,509,000	2,509,000	0	209,000	2,300,000	0	0	95	5
014152		2016 Annual Pipe Replacement	0	0	0	0	0	0	2,538,000	2,538,000	0	0	217,000	2,321,000	0	95	5
014152		2017 Annual Pipe Replacement	0	0	0	0	0	0	2,667,000	2,667,000	0	0	0	229,000	2,438,000	95	5
014152		2018 Annual Pipe Replacement (design only in 2017)	0	0	0	0	0	0	252,000	252,000	0	0	0	0	252,000	95	5
		Project Total	1,359,000	1,445,000	1,539,000	1,686,000	1,917,000	7,946,000	12,433,000	20,379,000	2,262,000	2,414,000	2,517,000	2,550,000	2,690,000		
014203	Water Main Improvements																
014203	027549	College Hill 703 Connector Main	541,000	0	0	0	0	541,000	0	541,000	0	0	0	0	0	100	0
014203	010723	Eweb Contribution to Main Extensions (Umbrella Job)	93,000	102,000	362,000	453,000	393,000	1,403,000	2,516,000	3,919,000	418,000	435,000	452,000	722,000	489,000	50	50
014203		Game Farm Rd. Metro Intertie Crossings	172,000	0	0	0	0	172,000	0	172,000	0	0	0	0	0	0	100
014203		Reliability & Water Quality Improvements (Looping)	55,000	57,000	59,000	61,000	64,000	296,000	359,000	655,000	66,000	69,000	72,000	75,000	77,000	80	20
014203	027559	Fire Flow Improvements	55,000	57,000	59,000	61,000	64,000	296,000	359,000	655,000	66,000	69,000	72,000	75,000	77,000	100	0
014203		Shasta 975/Fairmont 975 Connector Pipeline	244,000	0	0	0	0	244,000	0	244,000	0	0	0	0	0	85	15
014203		Dillard 975 to Shasta 975 Connector Pipeline	0	0	0	0	0	0	480,000	480,000	0	0	480,000	0	0	20	80
014203		Willamette 1150 to Fox Hollow 1150 Connector	0	46,000	422,000	0	0	468,000	0	468,000	0	0	0	0	0	10	90
014203		Shasta 975 to Bloomberg 700 redundant connection on 30th	42,000	433,000	0	0	0	475,000	0	475,000	0	0	0	0	0	10	90

			2008	2009	2010	2011	2012	2008-2012	2013-2017	2008-2017	2013	2014	2015	2016	2017	Renewal Repacement	Capacity Improvement
014203		City View 800 to S. Louis Lane Connector	0	0	0	0	0	0	206,000	206,000	0	206,000	0	0	0	10	90
014203		Dillard 800 to Willamette 800 Connection Upgrade	0	12,000	106,000	0	0	118,000	0	118,000	0	0	0	0	0	50	50
		Project Total	1,202,000	707,000	1,008,000	575,000	521,000	4,013,000	3,920,000	7,933,000	550,000	779,000	1,076,000	872,000	643,000		
014339	Water Main Relocations																
014339	008560	Umbrella Job for Street Rebuild Relocations	0	0	102,000	974,000	1,044,000	2,120,000	6,105,000	8,225,000	1,114,000	1,165,000	1,219,000	1,274,000	1,333,000	100	0
014339		Old Coburg Road/Chad Drive	204,000	0	0	0	0	204,000	0	204,000	0	0	0	0	0	50	50
014339		Elmira Road	163,000	0	0	0	0	163,000	0	163,000	0	0	0	0	0	100	0
014339		Beaver/Hunsaker from Division to River	55,000	113,000	0	0	0	168,000	0	168,000	0	0	0	0	0	100	0
014339		River Road to River Loop #1	109,000	0	0	0	0	109,000	0	109,000	0	0	0	0	0	100	0
014339		Crest Drive Neighborhood Street Improvements	104,000	1,839,000	1,989,000	0	0	3,932,000	0	3,932,000	0	0	0	0	0	100	0
		Project Total	635,000	1,952,000	2,091,000	974,000	1,044,000	6,696,000	6,105,000	12,801,000	1,114,000	1,165,000	1,219,000	1,274,000	1,333,000		
019948	General Plant Additions																
019948		Water Division Vehicle Allowance	340,000	147,000	457,000	197,000	73,000	1,214,000	797,000	2,011,000	117,000	86,000	45,000	465,000	84,000	100	0
019948		Misc. General Plant from IS (Water's 14%)	174,000	169,000	155,000	161,000	166,000	825,000	930,000	1,755,000	172,000	178,000	186,000	193,000	201,000	100	0
019948		Misc. General Plant from other Divisions	47,000	49,000	48,000	50,000	52,000	246,000	287,000	533,000	53,000	55,000	57,000	60,000	62,000	100	0
019948	020146	General Plant - Hayden Bridge Annual Allowance	28,000	29,000	30,000	31,000	32,000	150,000	181,000	331,000	33,000	35,000	36,000	38,000	39,000	100	0
019948		General Plant - Water Operations Annual Allowance	118,000	58,000	58,000	88,000	113,000	435,000	479,000	914,000	74,000	88,000	73,000	81,000	163,000	100	0
019948		Water System GIS Upgrades & Plug-ins/WMS/CMMS	82,000	85,000	36,000	38,000	39,000	280,000	222,000	502,000	41,000	43,000	44,000	46,000	48,000	100	0
019948		Water Source Protection Program Annual Allowance	12,000	12,000	13,000	13,000	14,000	64,000	78,000	142,000	14,000	15,000	16,000	16,000	17,000	100	0
019948		Sample Station Replacements	94,000	98,000	102,000	0	0	294,000	0	294,000	0	0	0	0	0	100	0
019948	027674	Hydraulic Model Software Acquisition	5,000	12,000	4,000	4,000	4,000	29,000	23,000	52,000	4,000	4,000	5,000	5,000	5,000	100	0
		Project Total	900,000	659,000	903,000	582,000	493,000	3,537,000	2,997,000	6,534,000	508,000	504,000	462,000	904,000	619,000		
019948	Instrumentation and Control General Plant Additions																
019948		Replacement of Leased Lines w/ Radio/Fiber Links	55,000	57,000	59,000	61,000	64,000	296,000	359,000	655,000	66,000	69,000	72,000	75,000	77,000	100	0
019948		Replacement of Remote Monitoring Equipment (CL-17's etc.)	11,000	11,000	12,000	12,000	13,000	59,000	71,000	130,000	13,000	14,000	14,000	15,000	15,000	100	0
019948		Access Control & Alarm Replacement Program	47,000	49,000	51,000	53,000	55,000	255,000	311,000	566,000	57,000	60,000	62,000	65,000	67,000	100	0
019948		Migration from RTU's to PLC-based Controllers	55,000	57,000	59,000	61,000	64,000	296,000	359,000	655,000	66,000	69,000	72,000	75,000	77,000	100	0
019948		Addition of New Remote Water Quality Monitoring Sites	82,000	85,000	0	0	0	167,000	0	167,000	0	0	0	0	0	100	0
019948	027645	New Itanium Servers to replace Alpha Servers	55,000	57,000	59,000	0	0	171,000	0	171,000	0	0	0	0	0	100	0
019948		Upgrade SCADA System	0	0	0	0	0	0	1,045,000	1,045,000	507,000	264,000	274,000	0	0	100	0
019948		Migration to single data base and quad redundant system	55,000	113,000	0	0	0	168,000	0	168,000	0	0	0	0	0	100	0
		Project Total	360,000	429,000	240,000	187,000	196,000	1,412,000	2,145,000	3,557,000	709,000	476,000	494,000	230,000	236,000		
		PROGRAM TOTAL	12,132,000	16,324,000	16,246,000	9,470,000	6,883,000	61,055,000	68,429,000	129,484,000	7,441,000	8,766,000	9,616,000	21,349,000	21,257,000		



Eugene Water & Electric Board

WATER DIVISION

**10-Year Capital Improvement Plan
Calendar Years 2008 – 2017**

September 4, 2007

Rely on us.

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Appendix A – Financial Summary

Overview

Purpose

The Capital Improvement Plan (CIP) is a forecast of EWEB's Water Division capital needs over a ten-year period. These improvements are based on long range planning efforts, goals, and policies. The 10-year CIP provides a guide for annual budgeting and aids in financial forecasting to support projects. The 10-year CIP is primarily based on three planning documents; the 1998 Water Supply Plan, the 1999 Hayden Bridge Expansion Study, the 2004 Water Master Plan (which revised the 1991 Water Master Plan) and the 2007 Hayden Bridge Master Plan. Other studies and documents have been relied upon for specific project needs or justification. An attempt has been made to identify the planning document associated with each project (where applicable).

Capital Projects

A capital project is an activity that constructs, improves, replaces, or repairs a fixed asset and results in a permanent addition to EWEB's infrastructure inventory. This is accomplished through one or more of the following.

- Acquisition of Property
- Construction of new facilities
- Rehabilitation, reconstruction, or renovation of an existing facility to a condition that extends its useful life or increases its useful capacity

Fixed assets include land, site improvements, buildings, pump stations, pipelines, treatment facilities, and reservoirs. Equipment, fixed and attached to buildings and facilities are also included. The purchase of portable equipment, computers and office equipment can also be purchased with capital funds and is included in general plant capital.

CIP Goals

The goals of the 10-year CIP is to:

- Provide a guideline and balanced program for capital improvements over a ten-year period
- Within the first 5 years of the CIP, projects will have planning level estimates and have concept approval
- Final study will be conducted 3 years prior to construction
- Design shall be completed in year prior of construction
- Provide a year by year plan for capital improvements for use in the annual budget preparation
- Illustrate unmet capital needs based on anticipated funding levels
- Provide a mechanism to obtain additional funding
- Provides a 10-year outlook to forecast sustainability of System Development charges (SDC's)
- Provide a 10-year outlook to forecast long term financial needs

Project Categories

EWEB's Ten Year Capital Plan is grouped by project categories. Each of the following project categories is discussed in detail in subsequent sections.

- Water Source
- Water Production Additions & Improvements
- Water Transmission
- Water Reservoirs
- Pump Stations
- Water Main Improvements
- Water Main Replacements
- Water Main Relocations
- Water Services and Meters
- General Plant
- Instrumentation and Control General Plant

Billable capital work, such as developer driven main extensions and damages to facilities, is not included in the CIP. Other billable work such as water service installations are included.

Qualifying Criteria

Capital projects must meet one or more of the following criteria to be included in the CIP.

- To implement EWEB Board approved plans and policies
- Address health and safety needs, including regulatory requirements
- Improve existing assets and improve efficiency of EWEB operations
- Increase capacity to meet current or future needs
- Be funded from within the current and projected revenue streams, or bonding authorizations

Capital Needs (Improvement Type)

Renewals and Replacements - These projects replace facilities due to dilapidation or obsolescence of the facility. Facility renewal extends the useful life through updating. No capacity improvements result from renewals or replacements.

Capacity Improvements - These projects are new facilities and serve new and future demands in the system.

Establishing Project Priorities

The most difficult task of developing a 10-year capital plan is setting priorities for various and competing projects. These projects compete for the limited funds available to perform capital improvement projects. Two separate prioritization methods were used to rank project need. The first tool was to use a newly developed prioritization model. The model provided guidance for prioritizing the capital projects identified through the 2004 Master Plan. Further refinements are needed and will be incorporated as the model is used in the coming years. The basis of the model was to take each project and score the project relative to a set of policy statements and/or operation performance measures (OPM's) including project costs. The model (with input from staff) assigned a weighting factor to each question and the score was added up to provide an overall project ranking. Some projects required additional prioritization.

Project Funding

The funding sources for capital projects come from the following areas:

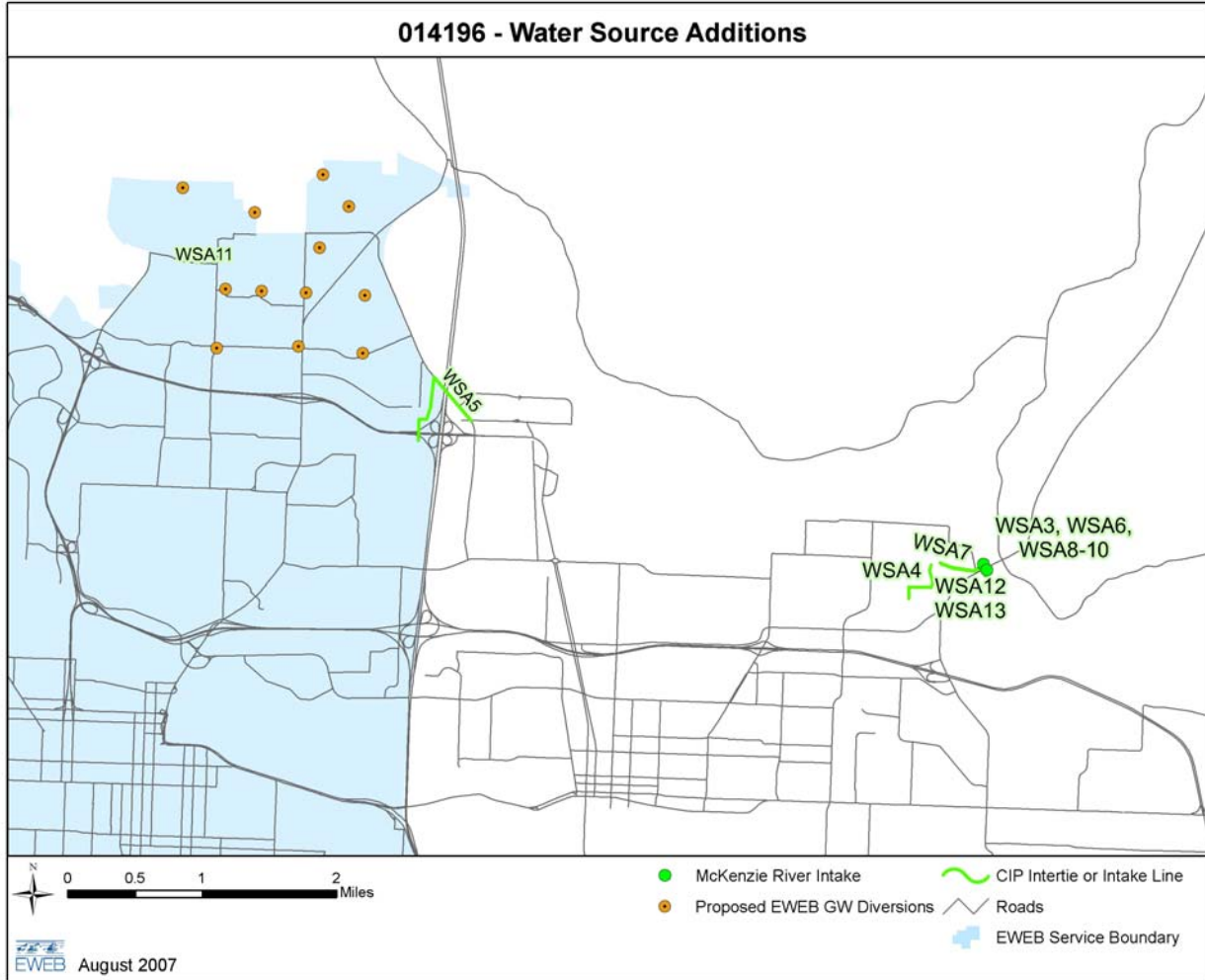
- Capital Funds allocated from rates
- System Development Charges (SDC's). SDC's can be either reimbursement, improvements, or related to Hynix.
- Bond Authorizations. Bonds can be either paid back with SDC's or through rates. The same components of SDC's defined above apply here as well.

Budget Development

Following adoption of the CIP by the EWEB Board of Commissioners, the projects in the first year become the basis for preparing next year's Capital Budget. Projects in the CIP's second year then become the subsequent year's Capital Budget. The Capital Budget is submitted to the Board in the fall of each year and is usually adopted in November/December of that same year. At the time each year's Capital Budget is approved, changes to project timing or funding in the Capital Budget are automatically adopted as amendments to the CIP.

The CIP will be updated annually to reflect the latest update of system needs. These updates will be presented during the annual budget process.

Figure 1 - Water Source Additions



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Water Source Additions – Project No. 14196

CIP ID #:	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
WSA4	Moe Hill Reservoir-Hayden Bridge Filtration Plant Intertie	\$208,000	\$0	\$0	\$0	\$0	\$208,000	\$0
WSA5	Metropolitan Intertie Projects - Game Farm Road	\$0	\$136,000	\$1,545,000	\$0	\$0	\$1,681,000	\$0
WSA6	Intake Screen and Misc. Improvements	\$104,000	\$271,000	\$3,375,000	\$0	\$0	\$3,750,000	\$0
WSA7	New Raw Water Line	\$0	\$0	\$0	\$0	\$0	\$0	\$920,000
WSA8	Intake Pump Replacement	\$0	\$0	\$113,000	\$819,000	\$0	\$932,000	\$0
WSA9	Intake Standby Power	\$0	\$0	\$0	\$47,000	\$426,000	\$473,000	\$0
WSA3	Flood Proofing Electric Service Building at Intake	\$0	\$0	\$34,000	\$117,000	\$0	\$151,000	\$0
WSA10	Intake Security Improvements	\$16,000	\$44,000	\$0	\$0	\$0	\$60,000	\$0
WSA11	Development of Back-up Source of Supply (8-12 MGD)	\$0	\$113,000	\$1,170,000	\$913,000	\$0	\$2,196,000	\$24,819,000
WSA13	Raw Water Pipeline Assessments	\$42,000	\$0	\$0	\$0	\$0	\$42,000	\$0
WSA12	Repair 36" Raw Water Transmission Pipeline	\$42,000	\$325,000	\$0	\$0	\$0	\$367,000	\$0
Project Total		\$412,000	\$889,000	\$6,237,000	\$1,896,000	\$426,000	\$9,860,000	\$25,739,000
2008 - 2017 Total							\$35,599,000	

Water Source Additions – Project No. 14196

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$30,765,000
Bond-Rates	\$28,890,000
Bond-SDC	\$1,875,000
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$4,834,000
Total Rate Funding	\$3,914,000
Total SDC Funding	\$920,000
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$35,599,000

Water Source Additions – Project No. 14196

Job Name: Moe Hill Reservoir-Hayden Bridge Filtration Plant Intertie

Job Description: Install 24-inch water main to connect Hayden Bridge to Moe Hill Reservoir. This connection links EWEB, SUB and Rainbow Water District water systems together so water can be exchanged during emergency events. The budget is EWEB's share of the IGA established for emergency interties.

Plan & Policy: 2006 Cooperative Agreement with Springfield Utility Board and Rainbow Water District

Project Driver: System Reliability and Emergency Preparedness

CIP ID #: WSA4

Year Job Open / Designed						
Year Job Constructed						
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%	
2008 to 2012	\$208,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)	\$208,000		Reimbursement	\$0	0%	
Budget Detail			Improvement	\$0	0%	
Engineering	\$20,800	10%	Total Unbonded Funding (2008 to 2017)	\$208,000	100%	
Construction	\$172,640	83%	Unbonded-Rates	\$208,000	100%	
Administration	\$14,560	7%	Unbonded-SDC	\$0	0%	
TOTAL	\$ 208,000	100%		Reimbursement	\$0	0%
Last Year (projected)			Improvement	\$0	0%	
Two years ago (Actual)						

Job Name: Metropolitan Intertie Projects - Game Farm Road

Job Description: 2008 - Planning and Design of Game Farm Road Intertie facility including pumping facility (24" connection). 2009 - 2010 Construction of Intertie piping and Pump facility.

Plan & Policy: 2005 Intertie Feasibility Study, Project needs more scoping & study. May reduce significantly

Project Driver: System Reliability and Emergency Preparedness

CIP ID #: WSA5

Year Job Open / Designed						
Year Job Constructed						
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%	
2008 to 2012	\$1,681,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)	\$1,681,000		Reimbursement	\$0	0%	
Budget Detail			Improvement	\$0	0%	
Engineering	\$168,100	10%	Total Unbonded Funding (2008 to 2017)	\$1,681,000	100%	
Construction	\$1,395,230	83%	Unbonded-Rates	\$1,681,000	100%	
Administration	\$117,670	7%	Unbonded-SDC	\$0	0%	
TOTAL	\$ 1,681,000	100%		Reimbursement	\$0	0%
Last Year (projected)			Improvement	\$0	0%	
Two years ago (Actual)						

Water Source Additions – Project No. 14196

Job Name: Intake Screen and Misc. Improvements

Job Description: Construct new raw water intake screens in front of intake structure in the river. New screens would address O&M issues associated with debris handling and comply with regulatory requirements. Existing traveling screens would no longer be required and would be removed except one, which would remain as an emergency standby. New screens would provide capacity for raw water demands past 2050.

Plan & Policy: N/A

Project Driver : Regulations, Capacity Recovery, Aging Infrastructure

CIP ID #: WSA6

Year Job Open / Designed						
Year Job Constructed						
Job Costs		Total Bond Funding (2008 to 2017)		\$3,750,000	100%	
2008 to 2012	\$3,750,000	Bond-Rates	\$1,875,000	50%		
2013 to 2017	\$0	Bond-SDC	\$1,875,000	50%		
TOTAL (2008 to 2017)	\$3,750,000		Reimbursement	\$0	0%	
Budget Detail			Improvement	\$0	0%	
Engineering	\$750,000	20%	Total Unbonded Funding (2008 to 2017)	\$0	0%	
Construction	\$2,737,500	73%	Unbonded-Rates	\$0	0%	
Administration	\$262,500	7%	Unbonded-SDC	\$0	0%	
TOTAL	\$ 3,750,000	100%		Reimbursement	\$0	0%
Last Year (projected)		\$0		Improvement	\$0	0%
Two years ago (Actual)		\$0				

Job Name: New Raw Water Line

Job Description: Construct new 48-inch pipeline from raw water intakes to treatment plant. New pipeline would provide additional capacity for future water demands and provide a back up for old, deteriorated lines which can then be taken out of service for repair. Length approximately 1,700 feet.

Plan & Policy: 2004 Water System Master Plan

Project Driver : System Capacity, Aging Infrastructure

CIP ID #: WSA7

Year Job Open / Designed						
Year Job Constructed						
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%	
2008 to 2012	\$0	Bond-Rates	\$0	0%		
2013 to 2017	\$920,000	Bond-SDC	\$0	0%		
TOTAL (2008 to 2017)	\$920,000		Reimbursement	\$0	0%	
Budget Detail			Improvement	\$0	0%	
Engineering	\$92,000	10%	Total Unbonded Funding (2008 to 2017)	\$920,000	100%	
Construction	\$763,600	83%	Unbonded-Rates	\$0	0%	
Administration	\$64,400	7%	Unbonded-SDC	\$920,000	100%	
TOTAL	\$ 920,000	100%		Reimbursement	\$0	0%
Last Year (projected)		\$0		Improvement	\$0	0%
Two years ago (Actual)		\$0				

Water Source Additions – Project No. 14196

Job Name: Intake Pump Replacement				
Job Description: Project replaces two of the oldest pumps (1946 & 1954 vintage) at the raw water intake and provides two new larger pumps. New pumps would be variable speed, 480 volt, and backed up with a new standby generator. Project would address both control and outage issues with intake facility.				
Plan & Policy: 2007 Hayden Bridge Master Plan				
Project Driver : Aging Infrastructure				
CIP ID #: WSA8				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$932,000	Bond-Rates		\$0
2013 to 2017	\$0	Bond-SDC		\$0
TOTAL (2008 to 2017)		\$932,000		Reimbursement
Budget Detail				Improvement
Engineering	\$93,200	10%	Total Unbonded Funding (2008 to 2017)	
Construction	\$773,560	83%	\$932,000	
Administration	\$65,240	7%	100%	
TOTAL		\$ 932,000		Reimbursement
Last Year (projected)				\$0
Two years ago (Actual)				Improvement
				\$0
				0%

Job Name: Intake Standby Power				
Job Description: Project provides for standby generator for new 480-volt intake pumps.				
Plan & Policy: 2007 Hayden Bridge Master Plan				
Project Driver : Source Reliability				
CIP ID #: WSA9				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$473,000	Bond-Rates		\$0
2013 to 2017	\$0	Bond-SDC		\$0
TOTAL (2008 to 2017)		\$473,000		Reimbursement
Budget Detail				Improvement
Engineering	\$47,300	10%	Total Unbonded Funding (2008 to 2017)	
Construction	\$392,590	83%	\$473,000	
Administration	\$33,110	7%	100%	
TOTAL		\$ 473,000		Reimbursement
Last Year (projected)				\$0
Two years ago (Actual)				Improvement
				\$0
				0%

Water Source Additions – Project No. 14196

Job Name: Flood Proofing Electric Service Building at Intake				
Job Description: Construct Improvements to alleviate flood concerns with the existing electrical building. Improvements are anticipated to include berming on upstream side and possible structural modifications.				
Plan & Policy: 2007 Hayden Bridge Master Plan				
Project Driver : Source Reliability				
CIP ID #: WSA3				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$151,000	Bond-Rates		0%
2013 to 2017	\$0	Bond-SDC		0%
TOTAL (2008 to 2017)	\$151,000		Reimbursement	\$0
Budget Detail			Improvement	\$0
Engineering	\$15,100	10%	Total Unbonded Funding (2008 to 2017)	\$151,000
Construction	\$125,330	83%	Unbonded-Rates	\$151,000
Administration	\$10,570	7%	Unbonded-SDC	\$0
TOTAL	\$ 151,000	100%		Reimbursement
Last Year (projected)				\$0
Two years ago (Actual)			Improvement	\$0

Job Name: Intake Security Improvements				
Job Description: Project improves security features at raw water intake facility.				
Plan & Policy: 2003 VA				
Project Driver : System Security				
CIP ID #: WSA10				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$60,000	Bond-Rates		0%
2013 to 2017	\$0	Bond-SDC		0%
TOTAL (2008 to 2017)	\$60,000		Reimbursement	\$0
Budget Detail			Improvement	\$0
Engineering	\$6,000	10%	Total Unbonded Funding (2008 to 2017)	\$60,000
Construction	\$49,800	83%	Unbonded-Rates	\$60,000
Administration	\$4,200	7%	Unbonded-SDC	\$0
TOTAL	\$ 60,000	100%		Reimbursement
Last Year (projected)				\$17,607
Two years ago (Actual)			Improvement	\$0

Water Source Additions – Project No. 14196

Job Name: Development of Back-up Source of Supply (8-12 MGD)				
Job Description: Still valid. Assumes complete development of confluence ground water project. Project is still being evaluated.				
Plan & Policy: 2006 Water Supply Plan Strategy				
Project Driver : System Reliability				
CIP ID #: WSA11				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)	\$27,015,000	100%
2008 to 2012	\$2,196,000	Bond-Rates	\$27,015,000	100%
2013 to 2017	\$24,819,000	Bond-SDC	\$0	0%
TOTAL (2008 to 2017)	\$27,015,000	Reimbursement	\$0	0%
Budget Detail		Improvement	\$0	0%
Engineering	\$4,052,250	15%	Total Unbonded Funding (2008 to 2017)	\$0
Construction	\$21,071,700	78%	Unbonded-Rates	\$0
Administration	\$1,891,050	7%	Unbonded-SDC	\$0
TOTAL	\$ 27,015,000	100%	Reimbursement	\$0
Last Year (projected)		\$0	Improvement	\$0
Two years ago (Actual)		\$0		0%

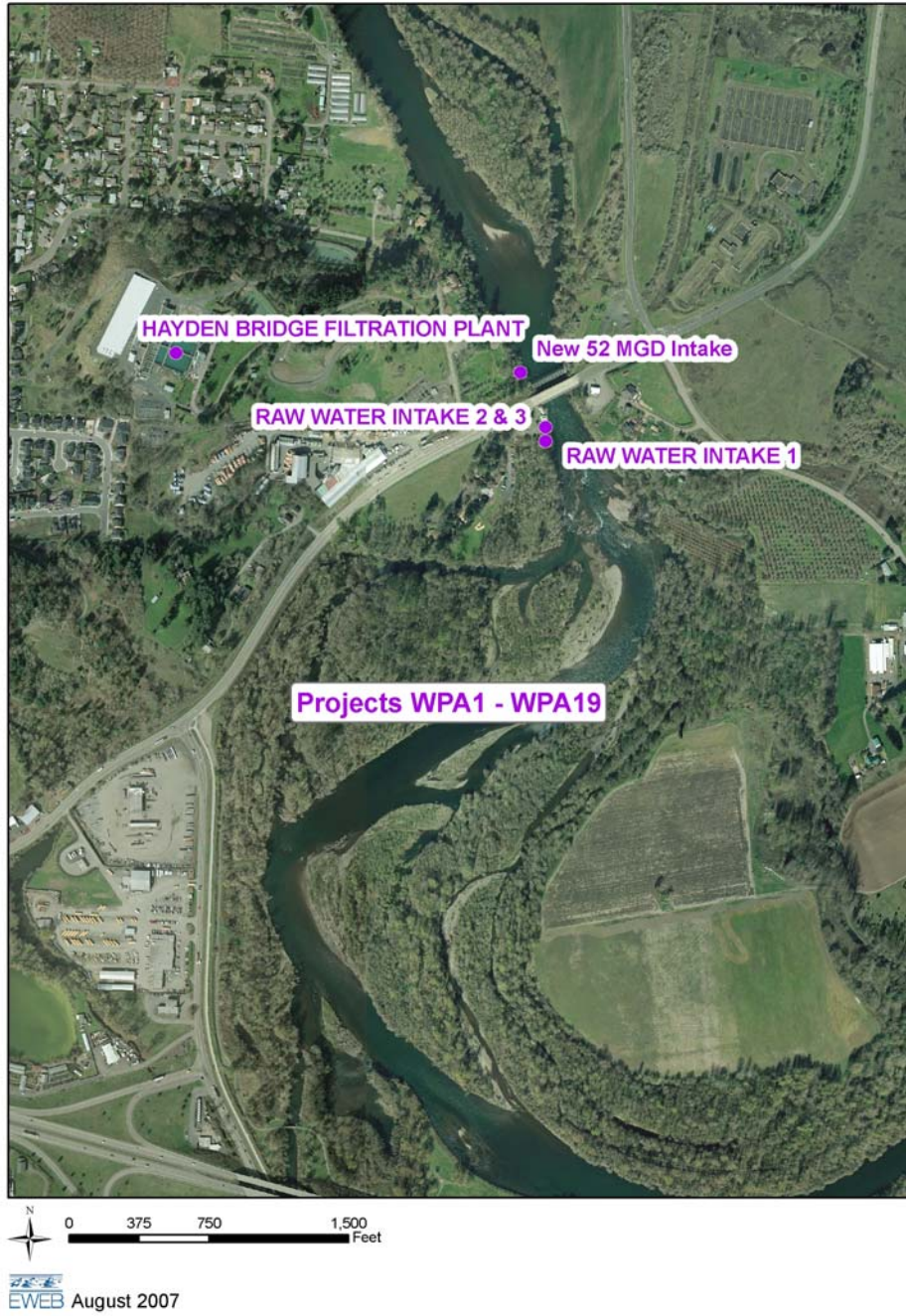
Job Name: Raw Water Pipeline Assessments				
Job Description: Evaluation to determine condition of raw water pipelines from intake facility to treatment plant. Evaluation specifically address 36-inch pipeline.				
Plan & Policy: 2007 Hayden Bridge Master Plan				
Project Driver : Aging Infrastructure				
CIP ID #: WSA13				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)	\$0	0%
2008 to 2012	\$42,000	Bond-Rates	\$0	0%
2013 to 2017	\$0	Bond-SDC	\$0	0%
TOTAL (2008 to 2017)	\$42,000	Reimbursement	\$0	0%
Budget Detail		Improvement	\$0	0%
Engineering	\$42,000	100%	Total Unbonded Funding (2008 to 2017)	\$42,000
Construction	\$0	0%	Unbonded-Rates	\$42,000
Administration	\$0	0%	Unbonded-SDC	\$0
TOTAL	\$ 42,000	100%	Reimbursement	\$0
Last Year (projected)		\$0	Improvement	\$0
Two years ago (Actual)		\$0		0%

Water Source Additions – Project No. 14196

Job Name: Repair 36" Raw Water Transmission Pipeline				
Job Description: Install new cement mortar lining and cathodic protection for the existing 36-inch transmission pipeline. In 2008, we will determine if a new raw water line is preferred.				
Plan & Policy: 2004 Water System Master Plan				
Project Driver : Aging Infrastructure				
CIP ID #: WSA12				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$367,000	Bond-Rates		\$0
2013 to 2017	\$0	Bond-SDC		\$0
TOTAL (2008 to 2017)	\$367,000	Reimbursement		\$0
Budget Detail		Improvement		\$0
Engineering	\$36,700	10%	Total Unbonded Funding (2008 to 2017)	\$367,000
Construction	\$304,610	83%	Unbonded-Rates	\$367,000
Administration	\$25,690	7%	Unbonded-SDC	\$0
TOTAL	\$ 367,000	100%	Reimbursement	\$0
Last Year (projected)	\$0	Improvement		\$0
Two years ago (Actual)	\$0			0%

Figure 2- Water Production Additions & Improvements

014270 - Water Production Additions & Improvements



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Water Production Additions & Improvements – Project No. 14270

CIP ID #:	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
WPA1	2008 Hayden Bridge Expansion	\$4,992,000	\$5,192,000	\$0	\$0	\$0	\$10,184,000	\$0
WPA2	Filter Instrumentation/ Flowmeter Upgrades	\$52,000	\$163,000	\$169,000	\$176,000	\$183,000	\$743,000	\$0
WPA3	Replace Clear Well Isolation Sluice Gates	\$16,000	\$217,000	\$0	\$0	\$0	\$233,000	\$0
WPA4	Rehabilitate Settling Ponds	\$0	\$55,000	\$563,000	\$0	\$0	\$618,000	\$0
WPA5	Existing Contact Basin Structural Rehabilitation	\$0	\$55,000	\$282,000	\$0	\$0	\$337,000	\$0
WPA6	House Water System Rehabilitation	\$78,000	\$82,000	\$0	\$0	\$0	\$160,000	\$0
WPA7	Existing Filter Trough Improvements	\$52,000	\$55,000	\$405,000	\$264,000	\$274,000	\$1,050,000	\$0
WPA8	Filter Gallery Piping Replacement	\$0	\$0	\$57,000	\$314,000	\$326,000	\$697,000	\$692,000
WPA9	Roof Replacement for Headhouse, Filter and Intake Buildings	\$141,000	\$147,000	\$0	\$0	\$0	\$288,000	\$0
WPA10	WTP Security Upgrades	\$26,000	\$82,000	\$0	\$0	\$0	\$108,000	\$0
WPA11	Basin Wash-Down Piping Rehabilitation	\$0	\$6,000	\$29,000	\$0	\$0	\$35,000	\$0
WPA12	General Concrete Rehabilitation & Painting	\$0	\$65,000	\$68,000	\$71,000	\$74,000	\$278,000	\$0
WPA13	Second Emergency Generator	\$0	\$44,000	\$282,000	\$0	\$0	\$326,000	\$0
WPA14	Entrance Road Improvements	\$0	\$22,000	\$158,000	\$0	\$0	\$180,000	\$0
WPA15	Roof Replacement and insulation for Caustic Soda Building	\$0	\$55,000	\$0	\$0	\$0	\$55,000	\$0
WPA16	WTP Seismic Upgrades	\$0	\$0	\$113,000	\$351,000	\$0	\$464,000	\$0
WPA17	UPS Upgrade	\$104,000	\$0	\$0	\$0	\$0	\$104,000	\$0
WPA18	Misc. Improvements and Upgrades	\$0	\$0	\$0	\$0	\$0	\$0	\$2,688,000
WPA19	Expansion - 2 Additional Filters	\$0	\$0	\$0	\$0	\$0	\$0	\$6,493,000
Total Production		\$5,461,000	\$6,240,000	\$2,126,000	\$1,176,000	\$857,000	\$15,860,000	\$9,873,000
2008 - 2017 Total							\$25,733,000	

Water Production Additions & Improvements – Project No. 14270

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$16,677,000
Bond-Rates	\$3,055,200
Bond-SDC	\$13,621,800
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$9,056,000
Total Rate Funding	\$8,951,000
Total SDC Funding	\$105,000
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$25,733,000

Water Production Additions & Improvements – Project No. 14270

Job Name: 2008 Hayden Bridge Expansion					
Job Description: Expand WTP capacity from 68 to 79 mgd by constructing two additional filters and one new contact basin. Project includes construction of new chemical feed facilities; a filter to waste recirculation system to reduce water returned to the river; and a new backwash pump.					
Plan / Policy: 1999 Hayden Bridge Expansion Plan/2006 update					
Project Driver: System Capacity					
CIP ID #: WPA1					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		
2008 to 2012	\$10,184,000	Bond-Rates		\$3,055,200	30%
2013 to 2017	\$0	Bond-SDC		\$7,128,800	70%
TOTAL (2008 to 2017)		\$10,184,000		Reimbursement	\$0 0%
Budget Detail			Improvement		\$0 0%
Engineering	\$1,018,400	10%	Total Unbonded Funding (2008 to 2017)		\$0 0%
Construction	\$8,452,720	83%	Unbonded-Rates		\$0 0%
Administration	\$712,880	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 10,184,000 100%		Reimbursement	\$0 0%
Last Year (projected)			Improvement		\$0 0%
Two years ago (Actual)					

Job Name: Filter Instrumentation/ Flowmeter Upgrades					
Job Description: Project replaces the flowmeters and various instruments including pressure transducers and turbimeters at each filter.					
Plan / Policy: 2007 Hayden Bridge Master Plan					
Project Driver: Aging Infrastructure					
CIP ID #: WPA2					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		
2008 to 2012	\$743,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$743,000		Reimbursement	\$0 0%
Budget Detail			Improvement		\$0 0%
Engineering	\$74,300	10%	Total Unbonded Funding (2008 to 2017)		\$743,000 100%
Construction	\$616,690	83%	Unbonded-Rates		\$743,000 100%
Administration	\$52,010	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 743,000 100%		Reimbursement	\$0 0%
Last Year (projected)			Improvement		\$0 0%
Two years ago (Actual)					

Water Production Additions & Improvements – Project No. 14270

Job Name: Replace Clear Well Isolation Sluice Gates					
Job Description: Replace existing isolation gates used to isolate the north clearwell and south clearwell for maintenance					
Plan / Policy: 2007 Hayden Bridge Master Plan					
Project Driver: WTP Upgrade, Aging Infrastructure					
CIP ID #: WPA3					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$233,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$233,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$23,300	10%	Total Unbonded Funding (2008 to 2017)		\$233,000 100%
Construction	\$193,390	83%	Unbonded-Rates		\$233,000 100%
Administration	\$16,310	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 233,000	100%	Reimbursement	\$0 0%
Last Year (projected)				Improvement	\$0 0%
Two years ago (Actual)					

Job Name: Rehabilitate Settling Ponds					
Job Description: Project addresses leakage problems and seismic design concerns with the existing backwash settling ponds.					
Plan / Policy: 2007 Hayden Bridge Master Plan					
Project Driver: Regulation, Safety					
CIP ID #: WPA4					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$618,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$618,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$61,800	10%	Total Unbonded Funding (2008 to 2017)		\$618,000 100%
Construction	\$512,940	83%	Unbonded-Rates		\$618,000 100%
Administration	\$43,260	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 618,000	100%	Reimbursement	\$0 0%
Last Year (projected)				Improvement	\$0 0%
Two years ago (Actual)					

Water Production Additions & Improvements – Project No. 14270

Job Name: Existing Contact Basin Structural Rehabilitation					
Job Description: Modifications to the existing contact basins including modifying the existing basin baffle walls to resist seismic loads, repair leaking joints, repairing surface deterioration, and reinforcing walls to resist seismic loads.					
Plan / Policy: 2007 Hayden Bridge Master Plan					
Project Driver: Aging Infrastructure					
CIP ID #: WPA5					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$337,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)	\$337,000			Reimbursement	\$0
Budget Detail				Improvement	\$0
Engineering	\$33,700	10%	Total Unbonded Funding (2008 to 2017)		\$337,000
Construction	\$279,710	83%	Unbonded-Rates		\$337,000
Administration	\$23,590	7%	Unbonded-SDC		\$0
TOTAL	\$ 337,000	100%			Reimbursement
Last Year (projected)				Improvement	\$0
Two years ago (Actual)					0%

Job Name: House Water System Rehabilitation					
Job Description: Retrofit the existing system to include pH control to minimize potential corrosion issues and VFD's to enhance system operation.					
Plan / Policy: 2007 Hayden Bridge Master Plan					
Project Driver: Aging infrastructure, System Reliability					
CIP ID #: WPA6					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$160,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)	\$160,000			Reimbursement	\$0
Budget Detail				Improvement	\$0
Engineering	\$16,000	10%	Total Unbonded Funding (2008 to 2017)		\$160,000
Construction	\$132,800	83%	Unbonded-Rates		\$160,000
Administration	\$11,200	7%	Unbonded-SDC		\$0
TOTAL	\$ 160,000	100%			Reimbursement
Last Year (projected)				Improvement	\$0
Two years ago (Actual)					0%

Water Production Additions & Improvements – Project No. 14270

Job Name: Existing Filter Trough Improvements					
Job Description: Project raised the filter troughs as Filters N4, 5, and 6 and provides for media deflection baffles on the remaining filters. Project will minimize media loss and enhance filter performance.					
Plan / Policy: 2007 Hayden Bridge Master Plan					
Project Driver: System Capacity, Cost savings					
CIP ID #: WPA7					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$1,050,000	Bond-Rates		\$0 0%	
2013 to 2017	\$0	Bond-SDC		\$0 0%	
TOTAL (2008 to 2017)		\$1,050,000	Reimbursement	\$0 0%	
Budget Detail				Improvement	
Engineering	\$105,000	10%	Total Unbonded Funding (2008 to 2017)		
Construction	\$871,500	83%	\$1,050,000 100%		
Administration	\$73,500	7%	Unbonded-Rates		
TOTAL		\$ 1,050,000	100%	\$945,000 90%	
Last Year (projected)		\$0		\$105,000 10%	
Two years ago (Actual)		\$0		Reimbursement	
				Improvement	
				\$0 0%	

Job Name: Filter Gallery Piping Replacement					
Job Description: Mult-year project to replace aging filter gallery piping and valves.					
Plan / Policy: 2007 Hayden Bridge Master Plan					
Project Driver: Aging Infrastructure					
CIP ID #: WPA8					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$697,000	Bond-Rates		\$0 0%	
2013 to 2017	\$692,000	Bond-SDC		\$0 0%	
TOTAL (2008 to 2017)		\$1,389,000	Reimbursement	\$0 0%	
Budget Detail				Improvement	
Engineering	\$138,900	10%	Total Unbonded Funding (2008 to 2017)		
Construction	\$1,152,870	83%	\$1,389,000 100%		
Administration	\$97,230	7%	Unbonded-Rates		
TOTAL		\$ 1,389,000	100%	\$1,389,000 100%	
Last Year (projected)		\$0		\$0 0%	
Two years ago (Actual)		\$0		Reimbursement	
				Improvement	
				\$0 0%	

Water Production Additions & Improvements – Project No. 14270

Job Name: Roof Replacement for Headhouse, Filter and Intake Buildings					
Job Description: Replace the roof systems at the Plant that are failing since they are over 56 years old. The replacement involves asbestos containing materials requiring special removal and disposal requirements.					
Plan / Policy: 1999 Hayden Bridge Expansion Plan/2006 Update					
Project Driver: Aging Infrastructure					
CIP ID #: WPA9					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$288,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$288,000		Reimbursement	\$0 0%
Budget Detail			Improvement		\$0 0%
Engineering	\$28,800	10%	Total Unbonded Funding (2008 to 2017)		\$288,000 100%
Construction	\$239,040	83%	Unbonded-Rates		\$288,000 100%
Administration	\$20,160	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 288,000	100%	Reimbursement	\$0 0%
Last Year (projected)				\$0	
Two years ago (Actual)				\$0	Improvement 0%

Job Name: WTP Security Upgrades					
Job Description: Project improves security features at water treatment plant including upgraded entrance facilities.					
Plan / Policy: 2007 Hayden Bridge Master Plan					
Project Driver: WTP Security					
CIP ID #: WPA10					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$108,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$108,000		Reimbursement	\$0 0%
Budget Detail			Improvement		\$0 0%
Engineering	\$10,800	10%	Total Unbonded Funding (2008 to 2017)		\$108,000 100%
Construction	\$89,640	83%	Unbonded-Rates		\$108,000 100%
Administration	\$7,560	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 108,000	100%	Reimbursement	\$0 0%
Last Year (projected)				\$63,945	
Two years ago (Actual)				\$0	Improvement 0%

Water Production Additions & Improvements – Project No. 14270

Job Name: Basin Wash-Down Piping Rehabilitation							
Job Description: Replacement of deteriorated wash-down piping and appurtenances in older contact basins.							
Plan / Policy: 2007 Hayden Bridge Master Plan							
Project Driver: Aging Infrastructure							
CIP ID #: WPA11							
Year Job Open / Designed							
Year Job Constructed							
Job Costs			Total Bond Funding (2008 to 2017)				
2008 to 2012	\$35,000	Bond-Rates		\$0	0%		
2013 to 2017	\$0	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		\$35,000	Reimbursement		\$0	0%	
Budget Detail			Improvement		\$0	0%	
Engineering	\$3,500	10%	Total Unbonded Funding (2008 to 2017)		\$35,000	100%	
Construction	\$29,050	83%	Unbonded-Rates		\$35,000	100%	
Administration	\$2,450	7%	Unbonded-SDC		\$0	0%	
TOTAL		\$ 35,000	100%	Reimbursement		\$0	0%
Last Year (projected)				Improvement		\$0	0%
Two years ago (Actual)						\$0	0%

Job Name: General Concrete Rehabilitation & Painting							
Job Description: Repair and coat the aging concrete surfaces to protect the structural material below and ensure an extended useful material life.							
Plan / Policy: 2007 Hayden Bridge Master Plan							
Project Driver: Aging Infrastructure							
CIP ID #: WPA12							
Year Job Open / Designed							
Year Job Constructed							
Job Costs			Total Bond Funding (2008 to 2017)				
2008 to 2012	\$278,000	Bond-Rates		\$0	0%		
2013 to 2017	\$0	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		\$278,000	Reimbursement		\$0	0%	
Budget Detail			Improvement		\$0	0%	
Engineering	\$27,800	10%	Total Unbonded Funding (2008 to 2017)		\$278,000	100%	
Construction	\$230,740	83%	Unbonded-Rates		\$278,000	100%	
Administration	\$19,460	7%	Unbonded-SDC		\$0	0%	
TOTAL		\$ 278,000	100%	Reimbursement		\$0	0%
Last Year (projected)				Improvement		\$0	0%
Two years ago (Actual)						\$0	0%

Water Production Additions & Improvements – Project No. 14270

Job Name: Second Emergency Generator							
Job Description: Addition of a second emergency generator at the water treatment plant.							
Plan / Policy: 2007 Hayden Bridge Master Plan							
Project Driver: Source Reliability							
CIP ID #: WPA13							
Year Job Open / Designed							
Year Job Constructed							
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%		
2008 to 2012	\$326,000	Bond-Rates		\$0	0%		
2013 to 2017	\$0	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		Reimbursement		\$0	0%		
		Improvement		\$0	0%		
Budget Detail		Total Unbonded Funding (2008 to 2017)		\$326,000	100%		
Engineering	\$32,600	10%	Unbonded-Rates		\$326,000	100%	
Construction	\$270,580	83%	Unbonded-SDC		\$0	0%	
Administration	\$22,820	7%	Reimbursement		\$0	0%	
TOTAL		\$ 326,000	100%	Improvement		\$0	0%
Last Year (projected)				\$0			
Two years ago (Actual)				\$0			

Job Name: Entrance Road Improvements							
Job Description: Repair failing sections of roadway and stop damaged areas from expanding beyond present limits. The intent is to preserve the integrity of the roadway for a future overlay.							
Plan / Policy: 2007 Hayden Bridge Master Plan							
Project Driver: Required Maintenance, Aging Infrastructure							
CIP ID #: WPA14							
Year Job Open / Designed							
Year Job Constructed							
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%		
2008 to 2012	\$180,000	Bond-Rates		\$0	0%		
2013 to 2017	\$0	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		Reimbursement		\$0	0%		
		Improvement		\$0	0%		
Budget Detail		Total Unbonded Funding (2008 to 2017)		\$180,000	100%		
Engineering	\$18,000	10%	Unbonded-Rates		\$180,000	100%	
Construction	\$149,400	83%	Unbonded-SDC		\$0	0%	
Administration	\$12,600	7%	Reimbursement		\$0	0%	
TOTAL		\$ 180,000	100%	Improvement		\$0	0%
Last Year (projected)				\$0			
Two years ago (Actual)				\$0			

Water Production Additions & Improvements – Project No. 14270

Job Name: Roof Replacement and insulation for Caustic Soda Building							
Job Description: Provide a new roof and insulation for the caustic soda building.							
Plan / Policy: 2007 Hayden Bridge Master Plan							
Project Driver: Aging Infrastructure							
CIP ID #: WPA15							
Year Job Open / Designed							
Year Job Constructed							
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%		
2008 to 2012	\$55,000	Bond-Rates		\$0	0%		
2013 to 2017	\$0	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		\$55,000	Reimbursement		\$0	0%	
Budget Detail		Improvement		\$0	0%		
Engineering	\$5,500	10%	Total Unbonded Funding (2008 to 2017)		\$55,000	100%	
Construction	\$45,650	83%	Unbonded-Rates		\$55,000	100%	
Administration	\$3,850	7%	Unbonded-SDC		\$0	0%	
TOTAL		\$ 55,000	100%	Reimbursement		\$0	0%
Last Year (projected)				Improvement		\$0	0%
Two years ago (Actual)						\$0	0%

Job Name: WTP Seismic Upgrades							
Job Description: Perform general and miscellaneous seismic upgrades for the water treatment plant.							
Plan / Policy: 2007 Hayden Bridge Master Plan							
Project Driver: Source Reliability							
CIP ID #: WPA16							
Year Job Open / Designed							
Year Job Constructed							
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%		
2008 to 2012	\$464,000	Bond-Rates		\$0	0%		
2013 to 2017	\$0	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		\$464,000	Reimbursement		\$0	0%	
Budget Detail		Improvement		\$0	0%		
Engineering	\$46,400	10%	Total Unbonded Funding (2008 to 2017)		\$464,000	100%	
Construction	\$385,120	83%	Unbonded-Rates		\$464,000	100%	
Administration	\$32,480	7%	Unbonded-SDC		\$0	0%	
TOTAL		\$ 464,000	100%	Reimbursement		\$0	0%
Last Year (projected)				Improvement		\$0	0%
Two years ago (Actual)						\$0	0%

Water Production Additions & Improvements – Project No. 14270

Job Name: UPS Upgrade							
Job Description: Upgrade the existing UPS system at Hayden Bridge to provide backup power for all lab equipment, in-line analyzers, and for the SCADA computers							
Plan / Policy: 2007 Hayden Bridge Master Plan							
Project Driver: System Reliability							
CIP ID #: WPA17							
Year Job Open / Designed							
Year Job Constructed							
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%		
2008 to 2012	\$104,000	Bond-Rates		\$0	0%		
2013 to 2017	\$0	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		\$104,000	Reimbursement		\$0	0%	
Budget Detail		Improvement		\$0	0%		
Engineering	\$10,400	10%	Total Unbonded Funding (2008 to 2017)		\$104,000	100%	
Construction	\$86,320	83%	Unbonded-Rates		\$104,000	100%	
Administration	\$7,280	7%	Unbonded-SDC		\$0	0%	
TOTAL		\$ 104,000	100%	Reimbursement		\$0	0%
Last Year (projected)				Improvement		\$0	0%
Two years ago (Actual)						\$0	0%

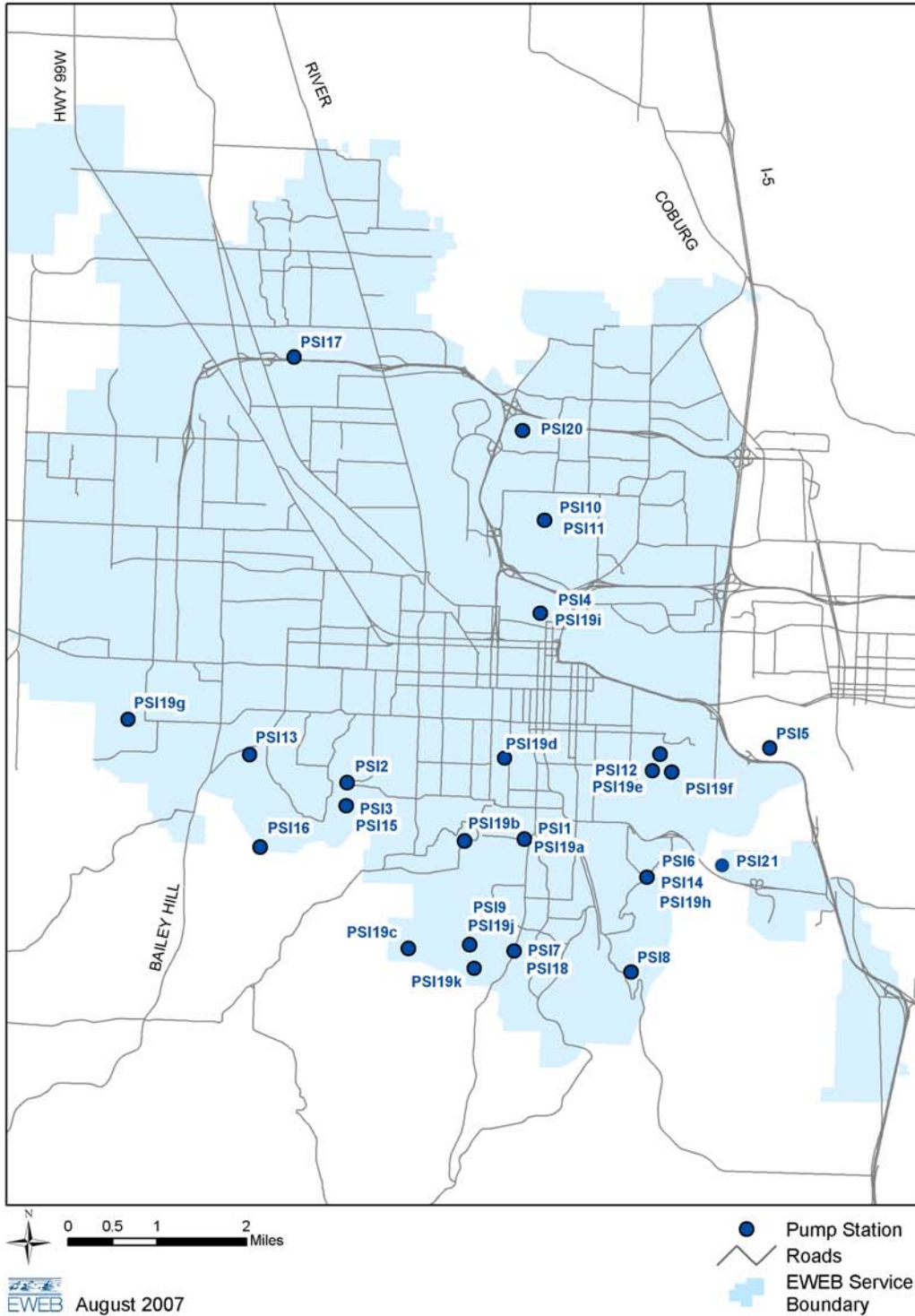
Job Name: Misc. Improvements and Upgrades							
Job Description: Project provides for miscellaneous yet to be identified projects for the upgrade and maintenance (renewal & replacement) of the water treatment plant.							
Plan / Policy: 2007 Hayden Bridge Master Plan							
Project Driver: Aging infrastructure, System Reliability							
CIP ID #: WPA18							
Year Job Open / Designed							
Year Job Constructed							
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%		
2008 to 2012	\$0	Bond-Rates		\$0	0%		
2013 to 2017	\$2,688,000	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		\$2,688,000	Reimbursement		\$0	0%	
Budget Detail		Improvement		\$0	0%		
Engineering	\$268,800	10%	Total Unbonded Funding (2008 to 2017)		\$2,688,000	100%	
Construction	\$2,231,040	83%	Unbonded-Rates		\$2,688,000	100%	
Administration	\$188,160	7%	Unbonded-SDC		\$0	0%	
TOTAL		\$ 2,688,000	100%	Reimbursement		\$0	0%
Last Year (projected)				Improvement		\$0	0%
Two years ago (Actual)						\$0	0%

Water Production Additions & Improvements – Project No. 14270

Job Name: 2018 Hayden Bridge Expansion - 2 Additional Filters				
Job Description: Expand WTP capacity by constructing two additional filters.				
Plan / Policy: 1999 HB Expansion Plan/ 2006 Update				
Project Driver: System Capacity				
CIP ID #: WPA19				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$6,493,000
2008 to 2012	\$0	Bond-Rates		\$0
2013 to 2017	\$6,493,000	Bond-SDC		\$6,493,000
TOTAL (2008 to 2017)				100%
		Reimbursement		\$0
		Improvement		\$0
Budget Detail		Total Unbonded Funding (2008 to 2017)		\$0
Engineering	\$649,300	10%	Unbonded-Rates	
Construction	\$5,389,190	83%	Unbonded-SDC	
Administration	\$454,510	7%		
TOTAL		\$ 6,493,000	100%	\$0
Last Year (projected)				\$0
Two years ago (Actual)				\$0

Figure 3 – Pump Stations Improvements

014204 - Pump Station Improvements



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Pump Station Improvements – Project No. 14204

CIP ID #	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
PSI1	Expand Southwest 800 Pump Station Service	\$0	\$0	\$0	\$96,000	\$436,000	\$532,000	\$0
PSI2	City View 975 PS Expansion	\$86,000	\$460,000	\$0	\$0	\$0	\$546,000	\$0
PSI3	City View 1150 PS Expansion & CV 1250 Booster	\$0	\$0	\$53,000	\$433,000	\$0	\$486,000	\$0
PSI4	Skinner Butte 607 PS Decomission	\$0	\$0	\$0	\$0	\$0	\$0	\$21,000
PSI6	Shasta 1150 PS Expansion	\$12,000	\$35,000	\$0	\$0	\$0	\$47,000	\$0
PSI7	Relocate Willamette 975 PS	\$0	\$89,000	\$479,000	\$0	\$0	\$568,000	\$0
PSI8	Dillard 975 PS Expansion	\$0	\$0	\$0	\$41,000	\$170,000	\$211,000	\$0
PSI9	Startouch 1325 PS Modification/Rebuild	\$0	\$0	\$13,000	\$59,000	\$0	\$72,000	\$0
PSI10	Relocate Gillespie Butte PS (Single Phase Domestic Only)	\$208,000	\$0	\$0	\$0	\$0	\$208,000	\$0
PSI11	Expand/Modify Gillespie Butte PS to 3 Phase Fire	\$0	\$0	\$0	\$0	\$0	\$0	\$264,000
PSI15	City View 1150 PS Generator	\$0	\$0	\$0	\$0	\$0	\$0	\$69,000
PSI16	Summit Terrace 1250 PS Generator (move from CV 1150)	\$0	\$0	\$0	\$0	\$0	\$0	\$27,000
PSI17	Santa Clara PS Generator Shed & Throw Over Switch	\$0	\$57,000	\$0	\$0	\$0	\$57,000	\$0
PSI19	Pump Station Remote Readers	\$15,000	\$16,000	\$16,000	\$17,000	\$18,000	\$82,000	\$96,000
PSI20	Stonecrest Pump Station	\$32,000	\$0	\$0	\$0	\$0	\$32,000	\$0
PSI21	Bloomberg Valve Station Roof Replacement	\$11,000	\$0	\$0	\$0	\$0	\$11,000	\$0
Total Pump Stations		\$364,000	\$657,000	\$561,000	\$646,000	\$624,000	\$2,852,000	\$477,000
2008 - 2017 Total							\$3,329,000	

Pump Station Improvements – Project No. 14204

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$0
Bond-Rates	\$0
Bond-SDC	\$0
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$3,329,000
Total Rate Funding	\$1,473,300
Total SDC Funding	\$1,855,700
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$3,329,000

Pump Station Improvements – Project No. 14204

Job Name: Expand Southwest 800 Pump Station Service					
Job Description: PS Expansion. Expand capacity by 2200 gpm. Will serve Crest 800 and City View 800. Current deficit is 550 gpm.					
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)					
Project Driver: System Growth, Reliability					
CIP ID #: PS11					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2007 to 2016)		\$0	0%
2008 to 2012	\$532,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2007 to 2016)		\$532,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$79,800	15%	Total Unbonded Funding (2007 to 2016)		\$532,000 100%
Construction	\$414,960	78%	Unbonded-Rates		\$0 0%
Administration	\$37,240	7%	Unbonded-SDC		\$532,000 100%
TOTAL		\$ 532,000	100%	Reimbursement	\$0 0%
Last Year (projected)				Improvement	\$0 0%
Two years ago (Actual)					

Job Name: City View 975 PS Expansion					
Job Description: Reconstruct P.S. to expand capacity by 1700 gpm. Current deficit is 220 gpm. Existing station has mis-matched pumps in below grade vault and older controls and electronics.					
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)					
Project Driver: System Growth, Reliability, Workers Safety					
CIP ID #: PS12					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2007 to 2016)		\$0	0%
2008 to 2012	\$546,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2007 to 2016)		\$546,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$54,600	10%	Total Unbonded Funding (2007 to 2016)		\$546,000 100%
Construction	\$453,180	83%	Unbonded-Rates		\$382,200 70%
Administration	\$38,220	7%	Unbonded-SDC		\$163,800 30%
TOTAL		\$ 546,000	100%	Reimbursement	\$0 0%
Last Year (projected)				Improvement	\$0 0%
Two years ago (Actual)					

Pump Station Improvements – Project No. 14204

Job Name: City View 1150 PS Expansion & CV 1250 Booster

Job Description: Reconstruct P.S. to expand capacity by 1700 gpm. Current deficit is 160 gpm. Add a new 1250 pumping system to improve domestic service. Old station is below grade.

Plan / Policy: 2004 Water System Master Plan (CH2MHILL)

Project Driver: System Growth, Reliability, Service Quality, Workers Safety

CIP ID #: PSI3

Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2007 to 2016)		\$0	0%
2008 to 2012	\$486,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2007 to 2016)		\$486,000		Reimbursement	\$0
Budget Detail				Improvement	\$0
Engineering	\$145,800	30%	Total Unbonded Funding (2007 to 2016)		\$486,000
Construction	\$306,180	63%	Unbonded-Rates		\$170,100
Administration	\$34,020	7%	Unbonded-SDC		\$315,900
TOTAL		\$ 486,000		100%	Reimbursement
Last Year (projected)				\$0	Improvement
Two years ago (Actual)				\$0	0%

Job Name: Skinner Butte 607 PS Decomission

Job Description: Remove Skinners 607 PS from service. Base level is "over stored" and reservoir is not siesmic designed.

Plan / Policy: 2004 Water System Master Plan (CH2MHILL)

Project Driver: System Efficiency, Water Quality and Leakage

CIP ID #: PSI4

Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2007 to 2016)		\$0	0%
2008 to 2012	\$0	Bond-Rates		\$0	0%
2013 to 2017	\$21,000	Bond-SDC		\$0	0%
TOTAL (2007 to 2016)		\$21,000		Reimbursement	\$0
Budget Detail				Improvement	\$0
Engineering	\$2,100	10%	Total Unbonded Funding (2007 to 2016)		\$21,000
Construction	\$17,430	83%	Unbonded-Rates		\$21,000
Administration	\$1,470	7%	Unbonded-SDC		\$0
TOTAL		\$ 21,000		100%	Reimbursement
Last Year (projected)				\$0	Improvement
Two years ago (Actual)				\$0	0%

Pump Station Improvements – Project No. 14204

Job Name: Shasta 1150 PS Expansion					
Job Description: Reconstruct existing P.S. to expand capacity by 200 gpm and convert from closed-end to left station. No current deficit.					
Plan / Policy: 2004 Water System Master Plan					
Project Driver: System Growth, Reliability					
CIP ID #: PSI6					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2007 to 2016)		\$0	0%
2008 to 2012	\$47,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2007 to 2016)		\$47,000	Reimbursement	\$0	0%
Budget Detail				Improvement	\$0
Engineering	\$4,700	10%	Total Unbonded Funding (2007 to 2016)		\$47,000
Construction	\$39,010	83%	Unbonded-Rates		\$0
Administration	\$3,290	7%	Unbonded-SDC		\$47,000
TOTAL		\$ 47,000	100%	Reimbursement	\$0
Last Year (projected)				Improvement	\$0
Two years ago (Actual)					0%

Job Name: Relocate Willamette 975 PS					
Job Description: Current PS is subject to flooding. Older electrical system and mis-matched pumps are inefficient. Keep same capacity of 1200 gpm.					
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)					
Project Driver: System Growth, Reliability, Workers Safety, Efficiency,					
CIP ID #: PSI7					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2007 to 2016)		\$0	0%
2008 to 2012	\$568,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2007 to 2016)		\$568,000	Reimbursement	\$0	0%
Budget Detail				Improvement	\$0
Engineering	\$170,400	30%	Total Unbonded Funding (2007 to 2016)		\$568,000
Construction	\$357,840	63%	Unbonded-Rates		\$284,000
Administration	\$39,760	7%	Unbonded-SDC		\$284,000
TOTAL		\$ 568,000	100%	Reimbursement	\$0
Last Year (projected)				Improvement	\$0
Two years ago (Actual)					0%

Pump Station Improvements – Project No. 14204

Job Name: Dillard 975 PS Expansion					
Job Description: Expand capacity by 1600 gpm to provide for medium density residential fire flow (to avoid large reservoir for this relatively small area)					
Plan / Policy: 2004 Water System Master Plan					
Project Driver: System Growth					
CIP ID #: PSI8					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2007 to 2016)		\$0 0%
2008 to 2012	\$211,000		Bond-Rates	\$0	0%
2013 to 2017	\$0		Bond-SDC	\$0	0%
TOTAL (2007 to 2016)		\$211,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$63,300	30%	Total Unbonded Funding (2007 to 2016)		\$211,000 100%
Construction	\$132,930	63%	Unbonded-Rates		\$0 0%
Administration	\$14,770	7%	Unbonded-SDC		\$211,000 100%
TOTAL		\$ 211,000	100%		Reimbursement
Last Year (projected)				Improvement	\$0 0%
Two years ago (Actual)					\$0 0%

Job Name: Startouch 1325 PS Modification/Rebuild					
Job Description: Needs improvements to prevent slope stability (hydrostatic or soil) issues from damaging PS.					
Plan / Policy: N/A					
Project Driver: Reliability					
CIP ID #: PSI9					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2007 to 2016)		\$0 0%
2008 to 2012	\$72,000		Bond-Rates	\$0	0%
2013 to 2017	\$0		Bond-SDC	\$0	0%
TOTAL (2007 to 2016)		\$72,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$3,600	5%	Total Unbonded Funding (2007 to 2016)		\$72,000 100%
Construction	\$63,360	88%	Unbonded-Rates		\$72,000 100%
Administration	\$5,040	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 72,000	100%		Reimbursement
Last Year (projected)				Improvement	\$0 0%
Two years ago (Actual)					\$0 0%

Pump Station Improvements – Project No. 14204

Job Name: Relocate Gillespie Butte PS (Single Phase Domestic Only)						
Job Description: Upgrades and relocation.						
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)						
Project Driver: System Growth, Reliability, Service Quality						
CIP ID #: PSI10						
Year Job Open / Designed						
Year Job Constructed						
Job Costs		Total Bond Funding (2007 to 2016)		\$0	0%	
2008 to 2012	\$208,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2007 to 2016)		\$208,000		Reimbursement	\$0	0%
Budget Detail				Improvement	\$0	0%
Engineering	\$20,800	10%	Total Unbonded Funding (2007 to 2016)		\$208,000	100%
Construction	\$172,640	83%	Unbonded-Rates		\$104,000	50%
Administration	\$14,560	7%	Unbonded-SDC		\$104,000	50%
TOTAL		\$ 208,000	100%	Reimbursement	\$0	0%
Last Year (projected)		\$91,312		Improvement	\$0	0%
Two years ago (Actual)		\$26,559				

Job Name: Expand/Modify Gillespie Butte PS to 3 Phase Fire						
Job Description: Expand new P.S. built under project 53 to provide fire protection with 3 phase pumps.						
Plan / Policy: N/A						
Project Driver: System Growth, Efficiency, Reliability						
CIP ID #: PSI11						
Year Job Open / Designed						
Year Job Constructed						
Job Costs		Total Bond Funding (2007 to 2016)		\$0	0%	
2008 to 2012	\$0	Bond-Rates		\$0	0%	
2013 to 2017	\$264,000	Bond-SDC		\$0	0%	
TOTAL (2007 to 2016)		\$264,000		Reimbursement	\$0	0%
Budget Detail				Improvement	\$0	0%
Engineering	\$26,400	10%	Total Unbonded Funding (2007 to 2016)		\$264,000	100%
Construction	\$219,120	83%	Unbonded-Rates		\$66,000	25%
Administration	\$18,480	7%	Unbonded-SDC		\$198,000	75%
TOTAL		\$ 264,000	100%	Reimbursement	\$0	0%
Last Year (projected)		\$0		Improvement	\$0	0%
Two years ago (Actual)		\$0				

Pump Station Improvements – Project No. 14204

Job Name: City View 1150 PS Generator				
Job Description: Install automated transfer switch and fixed generator to run domestic pumps.				
Plan / Policy: N/A				
Project Driver: Reliability, Service quality, Public health				
CIP ID #: PSI15				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2007 to 2016)		\$0
2008 to 2012	\$0	Bond-Rates	\$0	0%
2013 to 2017	\$69,000	Bond-SDC	\$0	0%
TOTAL (2007 to 2016)		\$69,000	Reimbursement	\$0
Budget Detail				Improvement
Engineering	\$2,070	3%	Total Unbonded Funding (2007 to 2016)	
Construction	\$62,100	90%	\$69,000	100%
Administration	\$4,830	7%	Unbonded-Rates	\$69,000
TOTAL		\$ 69,000	100%	Unbonded-SDC
Last Year (projected)		\$0	Reimbursement	\$0
Two years ago (Actual)		\$0	Improvement	\$0

Job Name: Summit Terrace 1250 PS Generator (move from CV 1150)				
Job Description: Install automated transfer switch and fixed generator to run domestic pumps.				
Plan / Policy: N/A				
Project Driver: Reliability, Service quality, Public health				
CIP ID #: PSI16				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2007 to 2016)		\$0
2008 to 2012	\$0	Bond-Rates	\$0	0%
2013 to 2017	\$27,000	Bond-SDC	\$0	0%
TOTAL (2007 to 2016)		\$27,000	Reimbursement	\$0
Budget Detail				Improvement
Engineering	\$2,700	10%	Total Unbonded Funding (2007 to 2016)	
Construction	\$22,410	83%	\$27,000	100%
Administration	\$1,890	7%	Unbonded-Rates	\$27,000
TOTAL		\$ 27,000	100%	Unbonded-SDC
Last Year (projected)		\$0	Reimbursement	\$0
Two years ago (Actual)		\$0	Improvement	\$0

Pump Station Improvements – Project No. 14204

Job Name: Santa Clara PS Generator Shed & Throw Over Switch						
Job Description: Install automated transfer switch and fixed generator to run smallest pump.						
Plan / Policy: N/A						
Project Driver: System Reliability, Emergency storage						
CIP ID #: PSI17						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2007 to 2016)		\$0 0%	
2008 to 2012	\$57,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2007 to 2016)		\$57,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$5,700	10%	Total Unbonded Funding (2007 to 2016)		\$57,000 100%	
Construction	\$47,310	83%	Unbonded-Rates		\$57,000 100%	
Administration	\$3,990	7%	Unbonded-SDC		\$0 0%	
TOTAL		\$ 57,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0 0%

Job Name: Pump Station Remote Readers						
Job Description: Install remote reading electric meters in pump stations.						
Plan / Policy: N/A						
Project Driver: Security, efficiency						
CIP ID #: PSI19						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2007 to 2016)		\$0 0%	
2008 to 2012	\$82,000	Bond-Rates		\$0	0%	
2013 to 2017	\$96,000	Bond-SDC		\$0	0%	
TOTAL (2007 to 2016)		\$178,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$17,800	10%	Total Unbonded Funding (2007 to 2016)		\$178,000 100%	
Construction	\$147,740	83%	Unbonded-Rates		\$178,000 100%	
Administration	\$12,460	7%	Unbonded-SDC		\$0 0%	
TOTAL		\$ 178,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0 0%

Pump Station Improvements – Project No. 14204

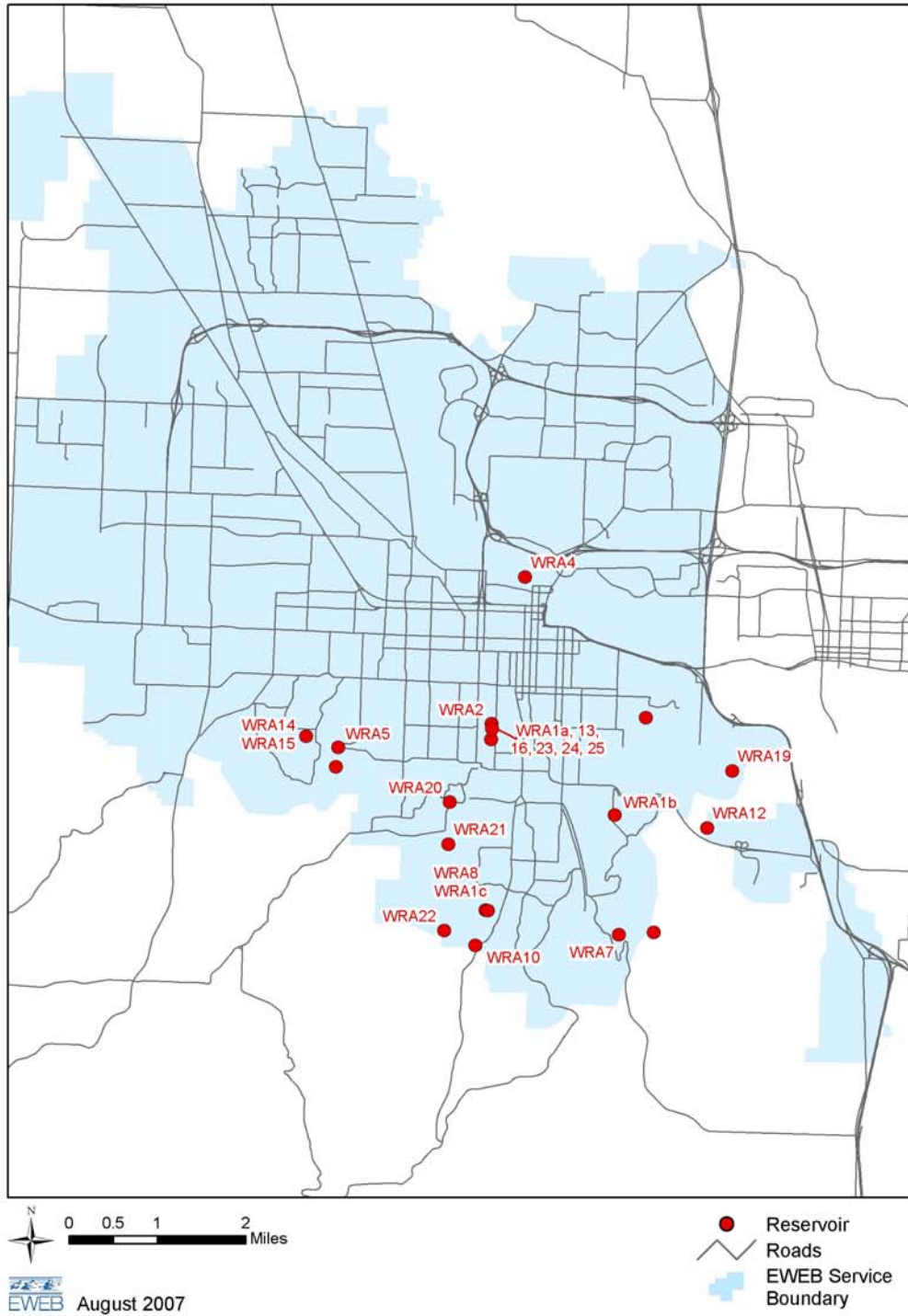
Job Name: Stonecrest Pump Station				
Job Description: Installation of new package pump station to serve elevation above 500' on Corum Hill				
Plan / Policy: Service Standards for Minimum Pressure				
Project Driver: Regulatory, Pressures @ 20 psi				
CIP ID #: PSI20				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2007 to 2016)		\$0 0%
2008 to 2012	\$32,000	Bond-Rates	\$0	0%
2013 to 2017	\$0	Bond-SDC	\$0	0%
TOTAL (2007 to 2016)		Reimbursement	\$0	0%
		Improvement	\$0	0%
Budget Detail		Total Unbonded Funding (2007 to 2016)		\$32,000 100%
Engineering	\$3,200	10%	Unbonded-Rates	\$32,000
Construction	\$26,560	83%	Unbonded-SDC	\$0
Administration	\$2,240	7%	Reimbursement	\$0
TOTAL		\$ 32,000	100%	Improvement
Last Year (projected)		\$0		\$0
Two years ago (Actual)		\$0		\$0

Job Name: Bloomberg Valve Station Roof Replacement				
Job Description: Replace failing roof slab with wood frame system				
Plan / Policy: N/A				
Project Driver: Safety, Failing infrastructure				
CIP ID #: PSI21				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2007 to 2016)		\$0 0%
2008 to 2012	\$11,000	Bond-Rates	\$0	0%
2013 to 2017	\$0	Bond-SDC	\$0	0%
TOTAL (2007 to 2016)		Reimbursement	\$0	0%
		Improvement	\$0	0%
Budget Detail		Total Unbonded Funding (2007 to 2016)		\$11,000 100%
Engineering	\$1,100	10%	Unbonded-Rates	\$11,000
Construction	\$9,130	83%	Unbonded-SDC	\$0
Administration	\$770	7%	Reimbursement	\$0
TOTAL		\$ 11,000	100%	Improvement
Last Year (projected)		\$0		\$0
Two years ago (Actual)		\$0		\$0

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Figure 4 – Water Reservoir Additions

014017 - Water Reservoir Additions



Water Reservoir Additions – Project No 14017

CIP ID #	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
WRA1	Reservoir Security Improvements	\$34,000	\$35,000	\$0	\$0	\$0	\$69,000	\$0
WRA2	College Hill 603 Reservoir Rehab or Decommission	\$64,000	\$0	\$0	\$0	\$0	\$64,000	\$0
WRA4	Skinner's Butte 603 Reservoir Rehab or Decom	\$64,000	\$0	\$0	\$0	\$0	\$64,000	\$0
WRA5	City View 800 No. 1 Reservoir Repair & Struct. Upgrades	\$0	\$0	\$0	\$0	\$0	\$0	\$921,000
WRA7	Dillard 800 Reservoir Repair & Struct. Upgrades	\$0	\$0	\$88,000	\$639,000	\$0	\$727,000	\$0
WRA8	Willamette 800 No. 1 Reservoir Repair & Struct. Upgrades	\$0	\$0	\$0	\$0	\$95,000	\$95,000	\$691,000
WRA10	Willamette 975 Reservoir Repair & Struct. Upgrades	\$82,000	\$591,000	\$0	\$0	\$0	\$673,000	\$0
WRA12	Bloomberg 700 Reservoir Repair & Struct Upgrades	\$0	\$0	\$0	\$0	\$0	\$0	\$851,000
WRA13	College Hill 607 Repair and Seismic Retrofit	\$0	\$0	\$878,000	\$913,000	\$0	\$1,791,000	\$0
WRA14	Hawkins Hill 607 Roof Repair and Seismic Retrofit	\$0	\$265,000	\$0	\$0	\$0	\$265,000	\$0
WRA15	Hawkins Hill 607 Inlet/outlet Pipe Modifications	\$0	\$0	\$0	\$0	\$0	\$0	\$342,000
WRA16	College Hill 607 Inlet/outlet Pipe Modifications	\$0	\$0	\$0	\$0	\$0	\$0	\$370,000
WRA18	Shasta 1150 Reservoir (Storage/Fire Flow Improvement)	\$190,000	\$1,969,000	\$0	\$0	\$0	\$2,159,000	\$0
WRA20	Crest 800 Reservoir (Storage/Fire Flow Improvement)	\$0	\$79,000	\$504,000	\$0	\$0	\$583,000	\$0
WRA21	Crest 975 Reservoir (Storage/Fire Flow Improvement)	\$0	\$0	\$0	\$0	\$0	\$0	\$1,091,000
WRA22	Willamette 1325 Reservoir (Storage/Fire Flow Improvement)	\$0	\$0	\$0	\$122,000	\$633,000	\$755,000	\$0
WRA24	College Hill 607 A/C power service upgrade	\$16,000	\$0	\$0	\$0	\$0	\$16,000	\$0
WRA25	College Hill 607 New Control valves for N/S cells	\$21,000	\$0	\$0	\$0	\$0	\$21,000	\$0
WRA23	College Hill 607 Reservoir Security Improvements	\$338,000	\$0	\$0	\$0	\$0	\$338,000	\$0
WRA19	Laurel Hill 850 Reservoir Increased Costs	\$575,000	\$0	\$0	\$0	\$0	\$575,000	\$0
Total		\$1,384,000	\$2,939,000	\$1,470,000	\$1,674,000	\$728,000	\$8,195,000	\$4,266,000
2008 - 2017 Total							\$12,461,000	

Water Reservoir Additions – Project No 14017

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$0
Bond-Rates	\$0
Bond-SDC	\$0
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$12,461,000
Total Rate Funding	\$8,985,250
Total SDC Funding	\$3,475,750
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$12,461,000

Water Reservoir Additions – Project No 14017

Job Name: Reservoir Security Improvements					
Job Description: Implement priority recommendations of vulnerability assessment report.					
Plan / Policy: 2003 VA (CH2MHILL)					
Project Driver: Security, Public health					
CIP ID #: WRA1					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$69,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$69,000	Reimbursement		\$0
Budget Detail			Improvement		\$0
Engineering	\$6,900	10%	Total Unbonded Funding (2008 to 2017)		\$69,000
Construction	\$57,270	83%	Unbonded-Rates		\$69,000
Administration	\$4,830	7%	Unbonded-SDC		\$0
TOTAL		\$ 69,000	100%	Reimbursement	
Last Year (projected)			\$994,634	Improvement	
Two years ago (Actual)			\$573,374	\$0	0%

Job Name: College Hill 603 Reservoir Rehab or Decommission					
Job Description: Decommission or Rehabilitate 603 reservoir.					
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)					
Project Driver: Water Quality, Efficiency					
CIP ID #: WRA2					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$64,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$64,000	Reimbursement		\$0
Budget Detail			Improvement		\$0
Engineering	\$19,200	30%	Total Unbonded Funding (2008 to 2017)		\$64,000
Construction	\$40,320	63%	Unbonded-Rates		\$64,000
Administration	\$4,480	7%	Unbonded-SDC		\$0
TOTAL		\$ 64,000	100%	Reimbursement	
Last Year (projected)			\$0	Improvement	
Two years ago (Actual)			\$0	\$0	0%

Water Reservoir Additions – Project No 14017

Job Name: Skinner's Butte 603 Reservoir Rehab or Decom					
Job Description: Decommission or Rehabilitate 603 reservoir.					
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)					
Project Driver: Water Quality, Efficiency (Power costs)					
CIP ID #: WRA4					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$64,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$64,000	Reimbursement		\$0 0%
Budget Detail			Improvement		\$0 0%
Engineering	\$19,200	30%	Total Unbonded Funding (2008 to 2017)		\$64,000 100%
Construction	\$40,320	63%	Unbonded-Rates		\$64,000 100%
Administration	\$4,480	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 64,000 100%	Reimbursement		\$0 0%
Last Year (projected)		\$0	Improvement		\$0 0%
Two years ago (Actual)		\$0			

Job Name: City View 800 No. 1 Reservoir Repair & Struct. Upgrades					
Job Description: Overplacement of wire wrap and seismic upgrade to reservoir.					
Plan / Policy: 2004 OBEC / 2007 CH2M Hill Update					
Project Driver: Infrastructure age, Reliability					
CIP ID #: WRA5					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012			\$0	Bond-Rates	
2013 to 2017	\$921,000	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$921,000	Reimbursement		\$0 0%
Budget Detail			Improvement		\$0 0%
Engineering	\$276,300	30%	Total Unbonded Funding (2008 to 2017)		\$921,000 100%
Construction	\$607,860	66%	Unbonded-Rates		\$921,000 100%
Administration	\$36,840	4%	Unbonded-SDC		\$0 0%
TOTAL		\$ 921,000 100%	Reimbursement		\$0 0%
Last Year (projected)		\$0	Improvement		\$0 0%
Two years ago (Actual)		\$0			

Water Reservoir Additions – Project No 14017

Job Name: Dillard 800 Reservoir Repair & Struct. Upgrades							
Job Description: Overplace pre-stressed reinforcing wire and modify to withstand seismic events.							
Plan / Policy: 2004 OBEC / 2007 CH2M Hill Update							
Project Driver: Infrastructure age, Reliability							
CIP ID #: WRA7							
Year Job Open / Designed							
Year Job Constructed							
Job Costs			Total Bond Funding (2008 to 2017)		\$0	0%	
2008 to 2012	\$727,000	Bond-Rates		\$0	0%		
2013 to 2017	\$0	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		\$727,000	Reimbursement		\$0	0%	
Budget Detail			Improvement		\$0	0%	
Engineering	\$218,100	30%	Total Unbonded Funding (2008 to 2017)		\$727,000	100%	
Construction	\$479,820	66%	Unbonded-Rates		\$727,000	100%	
Administration	\$29,080	4%	Unbonded-SDC		\$0	0%	
TOTAL		\$ 727,000	100%	Reimbursement		\$0	0%
Last Year (projected)				Improvement		\$0	0%
Two years ago (Actual)						\$0	0%

Job Name: Willamette 800 No. 1 Reservoir Repair & Struct. Upgrades							
Job Description: Overplace pre-stressed reinforcing wire and modify to withstand seismic events.							
Plan / Policy: 2004 OBEC / 2007 CH2M Hill Update							
Project Driver: Infrastructure age, Reliability							
CIP ID #: WRA8							
Year Job Open / Designed							
Year Job Constructed							
Job Costs			Total Bond Funding (2008 to 2017)		\$0	0%	
2008 to 2012	\$95,000	Bond-Rates		\$0	0%		
2013 to 2017	\$691,000	Bond-SDC		\$0	0%		
TOTAL (2008 to 2017)		\$786,000	Reimbursement		\$0	0%	
Budget Detail			Improvement		\$0	0%	
Engineering	\$235,800	30%	Total Unbonded Funding (2008 to 2017)		\$786,000	100%	
Construction	\$518,760	66%	Unbonded-Rates		\$786,000	100%	
Administration	\$31,440	4%	Unbonded-SDC		\$0	0%	
TOTAL		\$ 786,000	100%	Reimbursement		\$0	0%
Last Year (projected)				Improvement		\$0	0%
Two years ago (Actual)						\$0	0%

Water Reservoir Additions – Project No 14017

Job Name: Willamette 975 Reservoir Repair & Struct. Upgrades					
Job Description: Overplace pre-stressed reinforcing wire and modify to withstand seismic events.					
Plan / Policy: 2004 OBEC / 2007 CH2M Hill Update					
Project Driver: Infrastructure age, Reliability					
CIP ID #: WRA10					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$673,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$673,000	Reimbursement	\$0	0%
Budget Detail				Improvement	\$0
Engineering	\$201,900	30%	Total Unbonded Funding (2008 to 2017)		\$673,000
Construction	\$444,180	66%	Unbonded-Rates		\$673,000
Administration	\$26,920	4%	Unbonded-SDC		\$0
TOTAL		\$ 673,000	100%	Reimbursement	\$0
Last Year (projected)				Improvement	\$0
Two years ago (Actual)				Improvement	\$0

Job Name: Bloomberg 700 Reservoir Repair & Struct Upgrades					
Job Description: Overplace pre-stressed reinforcing wire and modify to withstand seismic events.					
Plan / Policy: 2004 OBEC / 2007 CH2M Hill Update					
Project Driver: Infrastructure age, Reliability					
CIP ID #: WRA12					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$0	Bond-Rates		\$0	0%
2013 to 2017	\$851,000	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$851,000	Reimbursement	\$0	0%
Budget Detail				Improvement	\$0
Engineering	\$255,300	30%	Total Unbonded Funding (2008 to 2017)		\$851,000
Construction	\$561,660	66%	Unbonded-Rates		\$851,000
Administration	\$34,040	4%	Unbonded-SDC		\$0
TOTAL		\$ 851,000	100%	Reimbursement	\$0
Last Year (projected)				Improvement	\$0
Two years ago (Actual)				Improvement	\$0

Water Reservoir Additions – Project No 14017

Job Name: College Hill 607 Repair and Seismic Retrofit					
Job Description: Brace internal columns and corner strengthening.					
Plan / Policy: 1999 Structural Inspection					
Project Driver: Infrastructure age, Emergency Preparedness					
CIP ID #: WRA13					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$1,791,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$1,791,000	Reimbursement	\$0	0%
Budget Detail			Improvement		\$0
Engineering	\$537,300	30%	Total Unbonded Funding (2008 to 2017)		\$1,791,000
Construction	\$1,128,330	63%	Unbonded-Rates		\$1,791,000
Administration	\$125,370	7%	Unbonded-SDC		\$0
TOTAL		\$ 1,791,000	100%	Reimbursement	\$0
Last Year (projected)			Improvement		\$0
Two years ago (Actual)					\$0

Job Name: Hawkins Hill 607 Roof Repair and Seismic Retrofit					
Job Description: Roof repair and seismic retrofit.					
Plan / Policy: 2004 Hawkins Hill Reservoir Facility Assessment					
Project Driver: Infrastructure age, Emergency Preparedness					
CIP ID #: WRA14					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$265,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$265,000	Reimbursement	\$0	0%
Budget Detail			Improvement		\$0
Engineering	\$7,950	3%	Total Unbonded Funding (2008 to 2017)		\$265,000
Construction	\$238,500	90%	Unbonded-Rates		\$265,000
Administration	\$18,550	7%	Unbonded-SDC		\$0
TOTAL		\$ 265,000	100%	Reimbursement	\$0
Last Year (projected)			Improvement		\$0
Two years ago (Actual)					\$0

Water Reservoir Additions – Project No 14017

Job Name: Hawkins Hill 607 Inlet/outlet Pipe Modifications					
Job Description: Expansion of inlet/outlet flow capacity and improvement in circulation.					
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)					
Project Driver: Water Quality, Regulations (DBPR II)					
CIP ID #: WRA15					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
2008 to 2012			\$0		0%
2013 to 2017			\$342,000		0%
TOTAL (2008 to 2017)			\$342,000		0%
Budget Detail					0%
Engineering	\$34,200	10%	Total Unbonded Funding (2008 to 2017)		\$342,000
Construction	\$283,860	83%	Unbonded-Rates		100%
Administration	\$23,940	7%	Unbonded-SDC		0%
TOTAL	\$ 342,000	100%	Reimbursement		0%
Last Year (projected)			Improvement		\$0
Two years ago (Actual)					\$0

Job Name: College Hill 607 Inlet/outlet Pipe Modifications					
Job Description: Expansion of inlet/outlet flow capacity and improvement in circulation.					
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)					
Project Driver: Water Quality, Regulations (DBPR II)					
CIP ID #: WRA16					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
2008 to 2012			\$0		0%
2013 to 2017			\$370,000		0%
TOTAL (2008 to 2017)			\$370,000		0%
Budget Detail					0%
Engineering	\$18,500	5%	Total Unbonded Funding (2008 to 2017)		\$370,000
Construction	\$325,600	88%	Unbonded-Rates		100%
Administration	\$25,900	7%	Unbonded-SDC		0%
TOTAL	\$ 370,000	100%	Reimbursement		0%
Last Year (projected)			Improvement		\$0
Two years ago (Actual)					\$0

Water Reservoir Additions – Project No 14017

Job Name: Shasta 1150 Reservoir (Storage/Fire Flow Improvement)						
Job Description: Add 710,000 gallons and						
Plan / Policy: 2004 Water System Master Plan						
Project Driver: System Growth, Reliability, Fire Protection						
CIP ID #: WRA18						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0	
2008 to 2012	\$2,159,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$2,159,000	Reimbursement		\$0	
Budget Detail			Improvement		\$0	
Engineering	\$323,850	15%	Total Unbonded Funding (2008 to 2017)		\$2,159,000	
Construction	\$1,684,020	78%	Unbonded-Rates		\$1,079,500	
Administration	\$151,130	7%	Unbonded-SDC		\$1,079,500	
TOTAL		\$ 2,159,000	100%	Reimbursement		\$0
Last Year (projected)			Improvement		\$0	
Two years ago (Actual)					\$0	

Job Name: Crest 800 Reservoir (Storage/Fire Flow Improvement)						
Job Description: Add 230,000 gallons. Serves College Hill 703, City View 800, Crest 800, Crest 703, and S Louis Lane 800.						
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)						
Project Driver: System Growth, Reliability						
CIP ID #: WRA20						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0	
2008 to 2012	\$583,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$583,000	Reimbursement		\$0	
Budget Detail			Improvement		\$0	
Engineering	\$174,900	30%	Total Unbonded Funding (2008 to 2017)		\$583,000	
Construction	\$367,290	63%	Unbonded-Rates		\$291,500	
Administration	\$40,810	7%	Unbonded-SDC		\$291,500	
TOTAL		\$ 583,000	100%	Reimbursement		\$0
Last Year (projected)			Improvement		\$0	
Two years ago (Actual)					\$0	

Water Reservoir Additions – Project No 14017

Job Name: Crest 975 Reservoir (Storage/Fire Flow Improvement)						
Job Description: Add 640,000 gallons. Serves City View 975 and Crest 975.						
Plan / Policy: 2004 Water System Master Plan (CH2MHILL)						
Project Driver: System Growth, Reliability						
CIP ID #: WRA21						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$0	Bond-Rates		\$0	0%	
2013 to 2017	\$1,091,000	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$1,091,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$109,100	10%	Total Unbonded Funding (2008 to 2017)		\$1,091,000 100%	
Construction	\$905,530	83%	Unbonded-Rates		\$0 0%	
Administration	\$76,370	7%	Unbonded-SDC		\$1,091,000 100%	
TOTAL		\$ 1,091,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0 0%

Job Name: Willamette 1325 Reservoir (Storage/Fire Flow Improvement)						
Job Description: Add 300,000 gallons.						
Plan / Policy: 2004 Water System Master Plan						
Project Driver: System Growth, Reliability, Fire Protection						
CIP ID #: WRA22						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$755,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$755,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$226,500	30%	Total Unbonded Funding (2008 to 2017)		\$755,000 100%	
Construction	\$475,650	63%	Unbonded-Rates		\$0 0%	
Administration	\$52,850	7%	Unbonded-SDC		\$755,000 100%	
TOTAL		\$ 755,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0 0%

Water Reservoir Additions – Project No 14017

Job Name: College Hill 607 A/C power service upgrade					
Job Description: Bring new electric service to catacombs for use by SCADA instrumentation and controls.					
Plan / Policy: 2003 Vulnerability Assessment, 2004 Master Plan					
Project Driver: Security, Water Quality, Reliability					
CIP ID #: WRA24					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$16,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$16,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$1,600	10%	Total Unbonded Funding (2008 to 2017)		\$16,000 100%
Construction	\$13,280	83%	Unbonded-Rates		\$16,000 100%
Administration	\$1,120	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 16,000	100%	Reimbursement	\$0 0%
Last Year (projected)				Improvement	\$0 0%
Two years ago (Actual)					

Job Name: College Hill 607 New Control valves for N/S cells					
Job Description: Install new control valves external of the reservoir structure.					
Plan / Policy: N/A					
Project Driver: Water Quality, Reliability					
CIP ID #: WRA25					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$21,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$21,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$2,100	10%	Total Unbonded Funding (2008 to 2017)		\$21,000 100%
Construction	\$17,430	83%	Unbonded-Rates		\$21,000 100%
Administration	\$1,470	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 21,000	100%	Reimbursement	\$0 0%
Last Year (projected)				Improvement	\$0 0%
Two years ago (Actual)					

Water Reservoir Additions – Project No 14017

Job Name: College Hill 607 Reservoir Security Improvements					
Job Description: Improvements to security at Reservoir					
Plan / Policy: 2003 VA (CH2MHILL)					
Project Driver: Security, Public health					
CIP ID #: WRA23					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$338,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)	\$338,000	Reimbursement		\$0	0%
Budget Detail		Improvement		\$0	0%
Engineering	\$33,800	10%	Total Unbonded Funding (2008 to 2017)	\$338,000	100%
Construction	\$280,540	83%	Unbonded-Rates	\$338,000	100%
Administration	\$23,660	7%	Unbonded-SDC	\$0	0%
TOTAL	\$ 338,000	100%	Reimbursement	\$0	0%
Last Year (projected)			Improvement	\$0	0%
Two years ago (Actual)	\$1,583				

Job Name: Laurel Hill 850 Reservoir Increased Costs					
Job Description: Completion of new 1.0 million gallon Reservoir					
Plan / Policy: 2004 Master Plan					
Project Driver: System Growth, Reliability					
CIP ID #: WRA19					
Year Job Open / Designed					
Year Job Constructed					
Job Costs		Total Bond Funding (2008 to 2017)		\$0	0%
2008 to 2012	\$575,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)	\$575,000	Reimbursement		\$0	0%
Budget Detail		Improvement		\$0	0%
Engineering	\$57,500	10%	Total Unbonded Funding (2008 to 2017)	\$575,000	100%
Construction	\$477,250	83%	Unbonded-Rates	\$316,250	55%
Administration	\$40,250	7%	Unbonded-SDC	\$258,750	45%
TOTAL	\$ 575,000	100%	Reimbursement	\$0	0%
Last Year (projected)			Improvement	\$0	0%
Two years ago (Actual)					

Water Transmission Improvements – Project No. 14507

CIP ID #	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
WT11	Cathodic Protection Installation for Transmission Mains	\$0	\$338,000	\$0	\$0	\$0	\$338,000	\$0
Total		\$0	\$338,000	\$0	\$0	\$0	\$ 338,000	\$0
2008 -2017 Total							\$	338,000

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$0
Bond-Rates	\$0
Bond-SDC	\$0
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$338,000
Total Rate Funding	\$338,000
Total SDC Funding	\$0
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$338,000

Water Transmission Improvements – Project No. 14507

Job Name: Cathodic Protection Installation for Transmission Mains					
Job Description: Allowance included for installing cathodic protection for some steel transmission lines. Revised cost estimate will be developed in corrosion assessment study.					
Plan / Policy: 2004 Water System Master Plan					
Project Driver: Aging infrastructure, System Reliability					
CIP ID # WTI1					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$338,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$338,000	Reimbursement		\$0
Budget Detail			Improvement		\$0
Engineering	\$10,140	3%	Total Unbonded Funding (2008 to 2017)		\$338,000
Construction	\$304,200	90%	Unbonded-Rates		\$338,000
Administration	\$23,660	7%	Unbonded-SDC		\$0
TOTAL		\$ 338,000	100%	Reimbursement	
Last Year (projected)			Improvement		\$0
Two years ago (Actual)					\$0

Water Services & Meters – Project No. 14018

CIP ID #	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
WSM1	Replacement of water meters	\$55,000	\$69,000	\$71,000	\$74,000	\$77,000	\$346,000	\$474,000
Total		\$55,000	\$69,000	\$71,000	\$74,000	\$77,000	\$346,000	\$474,000
2008 - 2017 Total							\$820,000	

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$0
Bond-Rates	\$0
Bond-SDC	\$0
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$820,000
Total Rate Funding	\$820,000
Total SDC Funding	\$0
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$820,000

Water Services & Meters – Project No. 14018

Job Name: Replacement of Water Meters					
Job Description: Annual allowance for the replacement of Water meters					
Plan / Policy: N/A					
Project Driver: Cost/benefit of accurate billing, aging infrastructure.					
CIP ID # WSM1					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$346,000		Bond-Rates	\$0	0%
2013 to 2017	\$474,000		Bond-SDC	\$0	0%
TOTAL (2008 to 2017)		\$820,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$82,000	10%	Total Unbonded Funding (2008 to 2017)		\$820,000 100%
Construction	\$680,600	83%	Unbonded-Rates	\$820,000	100%
Administration	\$57,400	7%	Unbonded-SDC	\$0	0%
TOTAL		\$ 820,000	100%	Reimbursement	\$0 0%
Last Year (projected)		\$474,692		Improvement	\$0 0%
Two years ago (Actual)		\$674,581			

Water Main Replacements – Project No. 14152

CIP ID #	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
WMR-D	Annual replacement of pipe - Design	\$103,000	\$115,000	\$140,000	\$187,000	\$178,000	\$723,000	\$1,110,000
WMR-C	Annual replacement of pipe - Construction	\$1,256,000	\$1,330,000	\$1,399,000	\$1,499,000	\$1,739,000	\$7,223,000	\$11,323,000
Total		\$1,359,000	\$1,445,000	\$1,539,000	\$1,686,000	\$1,917,000	\$7,946,000	\$12,433,000
2008 - 2017 Total							\$20,379,000	

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$0
Bond-Rates	\$0
Bond-SDC	\$0
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$20,379,000
Total Rate Funding	\$19,360,050
Total SDC Funding	\$1,018,950
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$20,379,000

Water Main Replacements – Project No. 14152

Job Name: Annual replacement of pipe - Design					
Job Description: Designing of replacement mains over next 10 years.					
Plan / Policy: 2004 Water System Master Plan					
Project Drive: Aging infrastructure, Reliability, Cost avoidance for main break					
CIP ID #: WMR-D					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$723,000		Bond-Rates	\$0	0%
2013 to 2017	\$1,110,000		Bond-SDC	\$0	0%
TOTAL (2008 to 2017)		\$1,833,000	Reimbursement	\$0	0%
Budget Detail			Improvement	\$0	0%
Engineering	\$91,650	5%	Total Unbonded Funding (2008 to 2017)		\$1,833,000 100%
Construction	\$1,613,040	88%	Unbonded-Rates	\$1,741,350	95%
Administration	\$128,310	7%	Unbonded-SDC	\$91,650	5%
TOTAL		\$ 1,833,000 100%	Reimbursement	\$0	0%
Last Year (projected)		\$89,848	Improvement	\$0	0%
Two years ago (Actual)		\$84,375			

Job Name: Annual replacement of pipe - Construction					
Job Description: To replace mains over next 10 years.					
Plan / Policy: 2004 Water System Master Plan					
Project Drive: Aging infrastructure, Reliability, Cost avoidance for main break					
CIP ID #: WMR-C					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$7,223,000		Bond-Rates	\$0	0%
2013 to 2017	\$11,323,000		Bond-SDC	\$0	0%
TOTAL (2008 to 2017)		\$18,546,000	Reimbursement	\$0	0%
Budget Detail			Improvement	\$0	0%
Engineering	\$927,300	5%	Total Unbonded Funding (2008 to 2017)		\$18,546,000 100%
Construction	\$16,320,480	88%	Unbonded-Rates	\$17,618,700	95%
Administration	\$1,298,220	7%	Unbonded-SDC	\$927,300	5%
TOTAL		\$ 18,546,000 100%	Reimbursement	\$0	0%
Last Year (projected)		\$950,000	Improvement	\$0	0%
Two years ago (Actual)		\$759,382			

Water Main Improvements – Project No. 14203

CIP ID #	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
WMI2	College Hill 703 Connector Main	\$541,000	\$0	\$0	\$0	\$0	\$541,000	\$0
WMI3	Eweb Contribution to Main Extensions (Umbrella Job)	\$93,000	\$102,000	\$362,000	\$454,000	\$393,000	\$1,404,000	\$2,516,000
WMI4	Game Farm Rd. Metro Intertie Crossings	\$172,000	\$0	\$0	\$0	\$0	\$172,000	\$0
WMI1	Reliability & Water Quality Improvements (Looping)	\$55,000	\$57,000	\$59,000	\$61,000	\$64,000	\$296,000	\$359,000
WMI6	Fire Flow Improvements	\$55,000	\$57,000	\$59,000	\$61,000	\$64,000	\$296,000	\$359,000
WMI7	Shasta 975/Fairmont 975 Connector Pipeline	\$244,000	\$0	\$0	\$0	\$0	\$244,000	\$0
WMI8	Dillard 975 to Shasta 975 Connector Pipeline	\$0	\$0	\$0	\$0	\$0	\$0	\$480,000
WMI9	Willamette 1150 to Fox Hollow 1150 Connector	\$0	\$46,000	\$422,000	\$0	\$0	\$468,000	\$0
WMI5	Shasta 975 to Bloomberg 700 redundant connection on 30th	\$42,000	\$433,000	\$0	\$0	\$0	\$475,000	\$0
WMI10	City View 800 to S. Louis Lane Connector	\$0	\$0	\$0	\$0	\$0	\$0	\$206,000
WMI11	Dillard 800 to Willamette 800 Connection Upgrade	\$0	\$12,000	\$106,000	\$0	\$0	\$118,000	\$0
Total Pump Stations		\$ 1,202,000	\$ 707,000	\$ 1,008,000	\$ 576,000	\$ 521,000	\$ 4,014,000	\$ 3,920,000
2008 - 2017 Total							\$	7,934,000

Water Main Improvements – Project No. 14203

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$0
Bond-Rates	\$0
Bond-SDC	\$0
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$7,934,000
Total Rate Funding	\$4,157,300
Total SDC Funding	\$3,776,700
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$7,934,000

Water Main Improvements – Project No. 14203

Job Name: College Hill 703 Connector Main					
Job Description: Add new 8-inch diameter dedicated main (no services) to serve College Hill 703 from the Crest 703 Service Area. Approx. 1800 feet. New 8-inch feed from Crest 703 to College Hill 703 (Lincoln Street) to provide redundancy, allowing abandonment of the College Hill 703 elevated storage tank (Need to open valve on existing line). May need new PRVs and vaults at Crest 800 to CH 703 pressure boundary for fire flows.					
Plan / Policy: 2004 Water System Master Plan					
Project Driver: System Reliability, Service Quality, Aging Infrastructure					
CIP ID # WMI2					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		
2008 to 2012	\$541,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$541,000	Reimbursement		\$0 0%
Budget Detail			Improvement		\$0 0%
Engineering	\$16,230	3%	Total Unbonded Funding (2008 to 2017)		\$541,000 100%
Construction	\$486,900	90%	Unbonded-Rates		\$541,000 100%
Administration	\$37,870	7%	Unbonded-SDC		\$0 0%
TOTAL		\$ 541,000 100%	Reimbursement		\$0 0%
Last Year (projected)		\$0	Improvement		\$0 0%
Two years ago (Actual)		\$0			

Job Name: Eweb Contribution to Main Extensions (Umbrella Job)					
Job Description: Annual allowance for EWEB contribution to oversize water mains for system needs beyond development.					
Plan / Policy: N/A					
Project Driver: System Performances, capacity, Reliability					
CIP ID # WMI3					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		
2008 to 2012	\$1,404,000	Bond-Rates		\$0	0%
2013 to 2017	\$2,516,000	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$3,920,000	Reimbursement		\$0 0%
Budget Detail			Improvement		\$0 0%
Engineering	\$392,000	10%	Total Unbonded Funding (2008 to 2017)		\$3,920,000 100%
Construction	\$3,253,600	83%	Unbonded-Rates		\$1,960,000 50%
Administration	\$274,400	7%	Unbonded-SDC		\$1,960,000 50%
TOTAL		\$ 3,920,000 100%	Reimbursement		\$0 0%
Last Year (projected)		\$27,952	Improvement		\$0 0%
Two years ago (Actual)		-\$11,941			

Water Main Improvements – Project No. 14203

Job Name: Game Farm Rd. Metro Intertie Crossings				
Job Description: Intall crossings for future intertie prior to road reconstruction project				
Plan / Policy: Intertie Feasibility Study				
Project Driver: System Growth, Reliability				
CIP ID # WMI4				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$172,000	Bond-Rates		\$0 0%
2013 to 2017	\$0	Bond-SDC		\$0 0%
TOTAL (2008 to 2017)		\$172,000		Reimbursement \$0 0%
Budget Detail				Improvement \$0 0%
Engineering	\$17,200	10%	Total Unbonded Funding (2008 to 2017)	
Construction	\$142,760	83%	\$172,000 100%	
Administration	\$12,040	7%	Unbonded-Rates	
TOTAL		\$ 172,000 100%		Unbonded-SDC \$172,000 100%
Last Year (projected)				Reimbursement \$0 0%
Two years ago (Actual)				Improvement \$0 0%

Job Name: Reliability & Water Quality Improvements (Looping)				
Job Description: Annual allowance for EWEB contribution to loop Water Mains for system need, beyond development				
Plan / Policy: N/A				
Project Driver: Water Quality, Reliability, Capacity				
CIP ID # WMI6				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$296,000	Bond-Rates		\$0 0%
2013 to 2017	\$359,000	Bond-SDC		\$0 0%
TOTAL (2008 to 2017)		\$655,000		Reimbursement \$0 0%
Budget Detail				Improvement \$0 0%
Engineering	\$65,500	10%	Total Unbonded Funding (2008 to 2017)	
Construction	\$543,650	83%	\$655,000 100%	
Administration	\$45,850	7%	Unbonded-Rates	
TOTAL		\$ 655,000 100%		Unbonded-SDC \$524,000 80%
Last Year (projected)				\$131,000 20%
Two years ago (Actual)				Reimbursement \$0 0%
				Improvement \$0 0%

Water Main Improvements – Project No. 14203

Job Name: Fire Flow Improvements				
Job Description: Annual allowance for EWEB initiated main improvements to improve fire flow.				
Plan / Policy: N/A				
Project Driver: Public Safety				
CIP ID # WMI6				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
				0%
2008 to 2012	\$296,000	Bond-Rates		\$0
2013 to 2017	\$359,000	Bond-SDC		\$0
TOTAL (2008 to 2017)		\$655,000		Reimbursement
				\$0
				0%
Budget Detail				Improvement
				\$0
				0%
Engineering	\$196,500	30%	Total Unbonded Funding (2008 to 2017)	
Construction	\$412,650	63%	\$655,000	
Administration	\$45,850	7%	100%	
TOTAL		\$ 655,000		Unbonded-Rates
				\$655,000
				100%
				Unbonded-SDC
				\$0
				0%
TOTAL		\$ 655,000		Reimbursement
				\$0
				0%
Last Year (projected)		\$50,006		Improvement
Two years ago (Actual)		\$0		\$0
				0%

Job Name: Shasta 975/Fairmont 975 Connector Pipeline				
Job Description: Pipeline connection between Shasta 975 and Fairmount 975. 900 feet of 10" up Spring Blvd from 29th Avenue.				
Plan / Policy: 2004 Water System Master Plan				
Project Driver: Reliability, Service Quality, Fire Protection, System Growth, Efficiency				
CIP ID # WMI7				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
				0%
2008 to 2012	\$244,000	Bond-Rates		\$0
2013 to 2017	\$0	Bond-SDC		\$0
TOTAL (2008 to 2017)		\$244,000		Reimbursement
				\$0
				0%
Budget Detail				Improvement
				\$0
				0%
Engineering	\$73,200	30%	Total Unbonded Funding (2008 to 2017)	
Construction	\$153,720	63%	\$244,000	
Administration	\$17,080	7%	100%	
TOTAL		\$ 244,000		Unbonded-Rates
				\$207,400
				85%
				Unbonded-SDC
				\$36,600
				15%
TOTAL		\$ 244,000		Reimbursement
				\$0
				0%
Last Year (projected)		\$30,546		Improvement
Two years ago (Actual)		\$0		\$0
				0%

Water Main Improvements – Project No. 14203

Job Name: Dillard 975 to Shasta 975 Connector Pipeline						
Job Description: South Shasta Loop (8") to Old Dillard Road (12"). Approximately 2000 feet. Crosses City of Eugene Park land.						
Plan / Policy: 2004 Water System Master Plan						
Project Driver: Reliability, Service Quality, Fire Protection, System Growth						
CIP ID # WMI8						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$0	Bond-Rates		\$0	0%	
2013 to 2017	\$480,000	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$480,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$144,000	30%	Total Unbonded Funding (2008 to 2017)		\$480,000 100%	
Construction	\$302,400	63%	Unbonded-Rates		\$96,000 20%	
Administration	\$33,600	7%	Unbonded-SDC		\$384,000 80%	
TOTAL		\$ 480,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0

Job Name: Willamette 1150 to Fox Hollow 1150 Connector						
Job Description: From Owl Road (10") to South Willamette Street. Crosses City of Eugene Park land. 2000 feet of 10". Not needed if Project #36 comes through.						
Plan / Policy: 2004 Water System Master Plan						
Project Driver: Reliability, System Growth, Fire Protection, Efficiency, Quality of Service						
CIP ID # WMI9						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$468,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$468,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$140,400	30%	Total Unbonded Funding (2008 to 2017)		\$468,000 100%	
Construction	\$294,840	63%	Unbonded-Rates		\$46,800 10%	
Administration	\$32,760	7%	Unbonded-SDC		\$421,200 90%	
TOTAL		\$ 468,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0

Water Main Improvements – Project No. 14203

Job Name: Shasta 975 to Bloomberg 700 redundant connection on 30th				
Job Description: New connection between Shasta 975 & Bloomberg 700 system to back-up aging and under sized connection.				
Plan / Policy: N/A				
Project Driver: System reliability, Capacity				
CIP ID # WMI5				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$475,000	Bond-Rates		\$0 0%
2013 to 2017	\$0	Bond-SDC		\$0 0%
TOTAL (2008 to 2017)		\$475,000	Reimbursement	\$0 0%
Budget Detail		Improvement		\$0 0%
Engineering	\$47,500	10%	Total Unbonded Funding (2008 to 2017)	
Construction	\$394,250	83%	\$475,000 100%	
Administration	\$33,250	7%	Unbonded-Rates	
		Unbonded-SDC		\$427,500 90%
TOTAL		\$ 475,000	100%	Reimbursement
Last Year (projected)				\$0
Two years ago (Actual)				\$525
		Improvement		\$0 0%

Job Name: City View 800 to S. Louis Lane Connector				
Job Description: Pipeline Connection. 1200 Feet of 10" pipe. This project should be timed with Warren Reservoir Project.				
Plan / Policy: 2004 Water System Master Plan				
Project Driver: Reliability, Growth, Fire Protection, Quality of Service				
CIP ID # WMI10				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$0	Bond-Rates		\$0 0%
2013 to 2017	\$206,000	Bond-SDC		\$0 0%
TOTAL (2008 to 2017)		\$206,000	Reimbursement	\$0 0%
Budget Detail		Improvement		\$0 0%
Engineering	\$61,800	30%	Total Unbonded Funding (2008 to 2017)	
Construction	\$129,780	63%	\$206,000 100%	
Administration	\$14,420	7%	Unbonded-Rates	
		Unbonded-SDC		\$185,400 90%
TOTAL		\$ 206,000	100%	Reimbursement
Last Year (projected)				\$0
Two years ago (Actual)				\$0
		Improvement		\$0 0%

Water Main Improvements – Project No. 14203

Job Name: Dillard 800 to Willamette 800 Connection Upgrade						
Job Description: Pipeline improvements and additional connecting mains to improve hydraulic connection between zones						
Plan / Policy: N/A						
Project Driver: Reliability, System Growth, Efficiency						
CIP ID # WMI11						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$118,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$118,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$11,800	10%	Total Unbonded Funding (2008 to 2017)		\$118,000 100%	
Construction	\$97,940	83%	Unbonded-Rates		\$59,000 50%	
Administration	\$8,260	7%	Unbonded-SDC		\$59,000 50%	
TOTAL		\$ 118,000	100%	Reimbursement		\$0 0%
Last Year (projected)				\$0		
Two years ago (Actual)				\$0		

Water Main Relocations – Project No. 14339

CIP ID #	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
WMRL1	Umbrella Job for Street Rebuild Relocations	\$0	\$0	\$102,000	\$974,000	\$1,044,000	\$2,120,000	\$6,105,000
WMRL6	Old Coburg Road/Chad Drive	\$204,000	\$0	\$0	\$0	\$0	\$204,000	\$0
WMRL2	Elmira Road	\$163,000	\$0	\$0	\$0	\$0	\$163,000	\$0
WMRL4	Beaver/Hunsaker from Division to River	\$55,000	\$113,000	\$0	\$0	\$0	\$168,000	\$0
WMRL5	River Road to River Loop #1	\$109,000	\$0	\$0	\$0	\$0	\$109,000	\$0
WMRL7	Crest Drive Neighborhood Street Improvements	\$104,000	\$1,839,000	\$1,989,000	\$0	\$0	\$3,932,000	\$0
Total		\$635,000	\$1,952,000	\$2,091,000	\$974,000	\$1,044,000	\$6,696,000	\$6,105,000
2008 - 2017 Total							\$12,801,000	

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$0
Bond-Rates	\$0
Bond-SDC	\$0
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$12,801,000
Total Rate Funding	\$12,699,000
Total SDC Funding	\$102,000
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$12,801,000

Water Main Relocations – Project No. 14339

Job Name: Umbrella Job for Street Rebuild Relocations					
Job Description: Umbrella job for relocation of Water mains due street reconstruction projects.					
Plan / Policy: 2004 Water System Master Plan					
Project Driver: Aging infrastructure, Conflicts with street construction, External Agency CIP, R/W occupancy permit conditions					
CIP ID # WMRL1					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		
2008 to 2012	\$2,120,000	Bond-Rates		\$0	0%
2013 to 2017	\$6,105,000	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$8,225,000	Reimbursement		\$0
Budget Detail			Improvement		\$0
Engineering	\$411,250	5%	Total Unbonded Funding (2008 to 2017)		\$8,225,000
Construction	\$7,238,000	88%	Unbonded-Rates		\$8,225,000
Administration	\$575,750	7%	Unbonded-SDC		\$0
TOTAL		\$ 8,225,000	100%	Reimbursement	
Last Year (projected)		\$109,041	Improvement		\$0
Two years ago (Actual)		\$23,440			0%

Job Name: Old Coburg Road/Chad Drive					
Job Description: Relocate existing main with oversized main for future intertie prior to street improvements					
Plan / Policy: Intertie Feasibility Study					
Project Driver: Conflicts with street construction, System Growth					
CIP ID # WMRL6					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		
2008 to 2012	\$204,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$204,000	Reimbursement		\$0
Budget Detail			Improvement		\$0
Engineering	\$20,400	10%	Total Unbonded Funding (2008 to 2017)		\$204,000
Construction	\$169,320	83%	Unbonded-Rates		\$102,000
Administration	\$14,280	7%	Unbonded-SDC		\$102,000
TOTAL		\$ 204,000	100%	Reimbursement	
Last Year (projected)		\$0	Improvement		\$0
Two years ago (Actual)		\$0			0%

Water Main Relocations – Project No 14339

Job Name: Elmira Road				
Job Description: Relocation of Water main due to reconstruction of Elmira Road.				
Plan / Policy: N/A				
Project Driver: External Agency CIP, R/W occupancy permit conditions				
CIP ID # WMRL1				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$163,000	Bond-Rates	\$0	0%
2013 to 2017	\$0	Bond-SDC	\$0	0%
TOTAL (2008 to 2017)		\$163,000		0%
Budget Detail		Reimbursement		\$0
		Improvement		\$0
		Total Unbonded Funding (2008 to 2017)		\$163,000
Engineering	\$16,300	10%	Unbonded-Rates	\$163,000
Construction	\$135,290	83%	Unbonded-SDC	\$0
Administration	\$11,410	7%	Reimbursement	\$0
TOTAL		\$ 163,000	100%	0%
Last Year (projected)		\$88,000	Improvement	\$0
Two years ago (Actual)		\$0		0%

Job Name: Beaver/Hunsaker from Division to River				
Job Description: Relocation of water main due to reconstruction of Beaver St. / Hundaker Lane 850 ft in EWEB's Area. Remainder is in Santa Clara Water District. County--2006-2007.				
Plan / Policy: N/A				
Project Driver: External Agency CIP, R/W occupancy permit conditions				
CIP ID # WMRL4				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$168,000	Bond-Rates	\$0	0%
2013 to 2017	\$0	Bond-SDC	\$0	0%
TOTAL (2008 to 2017)		\$168,000		0%
Budget Detail		Reimbursement		\$0
		Improvement		\$0
		Total Unbonded Funding (2008 to 2017)		\$168,000
Engineering	\$5,040	3%	Unbonded-Rates	\$168,000
Construction	\$151,200	90%	Unbonded-SDC	\$0
Administration	\$11,760	7%	Reimbursement	\$0
TOTAL		\$ 168,000	100%	0%
Last Year (projected)		\$11,000	Improvement	\$0
Two years ago (Actual)		\$527		0%

Water Main Relocations – Project No 14339

Job Name: River Road to River Loop #1						
Job Description: 1870 ft. in EWEB's Area. Remainder is in Santa Clara Water District. County--2007-2008.						
Plan / Policy: N/A						
Project Driver: External Agency CIP, R/W occupancy permit conditions						
CIP ID # WMRL5						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$109,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$109,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$16,350	15%	Total Unbonded Funding (2008 to 2017)		\$109,000 100%	
Construction	\$85,020	78%	Unbonded-Rates		\$109,000 100%	
Administration	\$7,630	7%	Unbonded-SDC		\$0 0%	
TOTAL		\$ 109,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0 0%

Job Name: Crest Drive Neighborhood Street Improvements						
Job Description: Relocation of Water Mains due to street reconstruction in the Crest Drive Neighborhood						
Plan / Policy: N/A						
Project Driver: External Agency CIP, R/W occupancy permit conditions						
CIP ID # WMRL7						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$3,932,000	Bond-Rates		\$0	0%	
2013 to 2017	\$0	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$3,932,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$589,800	15%	Total Unbonded Funding (2008 to 2017)		\$3,932,000 100%	
Construction	\$3,066,960	78%	Unbonded-Rates		\$3,932,000 100%	
Administration	\$275,240	7%	Unbonded-SDC		\$0 0%	
TOTAL		\$ 3,932,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0 0%

General Plant – Project No. 19948

CIP ID #	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
GPA1	Water Division Vehicle Allowance	\$340,000	\$147,000	\$457,000	\$197,000	\$73,000	\$1,214,000	\$797,000
GPA2	Misc. General Plant from IS (Water's 14%)	\$174,000	\$169,000	\$155,000	\$161,000	\$166,000	\$825,000	\$930,000
GPA3	Misc. General Plant from other Divisions	\$47,000	\$49,000	\$48,000	\$50,000	\$52,000	\$246,000	\$287,000
GPA4	General Plant - Hayden Bridge Annual Allowance	\$28,000	\$29,000	\$30,000	\$31,000	\$32,000	\$150,000	\$181,000
GPA5	General Plant - Water Operations Annual Allowance	\$118,000	\$58,000	\$58,000	\$88,000	\$113,000	\$435,000	\$479,000
GPA6	Water System GIS Upgrades & Plug-ins/WMS/CMMS	\$82,000	\$85,000	\$36,000	\$38,000	\$39,000	\$280,000	\$222,000
GPA7	Water Source Protection Program Annual Allowance	\$12,000	\$12,000	\$13,000	\$13,000	\$14,000	\$64,000	\$78,000
0	Sample Station Replacements	\$94,000	\$98,000	\$102,000	\$0	\$0	\$294,000	\$0
GPA8	Hydraulic Model Software Acquisition	\$5,000	\$12,000	\$4,000	\$4,000	\$4,000	\$29,000	\$23,000
Total		\$900,000	\$659,000	\$903,000	\$582,000	\$493,000	\$3,537,000	\$2,997,000
2008 - 2017 Total							\$6,534,000	

General Plant – Project No. 19948

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$0
Bond-Rates	\$0
Bond-SDC	\$0
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$6,534,000
Total Rate Funding	\$6,534,000
Total SDC Funding	\$0
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$6,534,000

General Plant – Project No. 19948

Job Name: Water Division Vehicle Allowance						
Job Description: Annual allowance for purchasing of vehicles.						
Plan / Policy: 2004 Water System Master Plan						
Project Driver: Aging Infrastructure, System Growth, Efficiency						
CIP ID # GPA1						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$1,214,000	Bond-Rates		\$0	0%	
2013 to 2017	\$797,000	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$2,011,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$0	0%	Total Unbonded Funding (2008 to 2017)		\$2,011,000 100%	
Construction	\$0	0%	Unbonded-Rates		\$2,011,000 100%	
Administration	\$2,011,000	100%	Unbonded-SDC		\$0 0%	
TOTAL		\$ 2,011,000	100%	Reimbursement		\$0 0%
Last Year (projected)				\$0		
Two years ago (Actual)				\$0		

Job Name: Misc. General Plant from IS (Water's 14%)						
Job Description: Annual allowances for Water divisions share of capital purchases by Information Systems.						
Plan / Policy: N/A						
Project Driver: Aging Infrastructures, System Growth, Efficiency						
CIP ID # GPA2						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$825,000	Bond-Rates		\$0	0%	
2013 to 2017	\$930,000	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$1,755,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$175,500	10%	Total Unbonded Funding (2008 to 2017)		\$1,755,000 100%	
Construction	\$1,456,650	83%	Unbonded-Rates		\$1,755,000 100%	
Administration	\$122,850	7%	Unbonded-SDC		\$0 0%	
TOTAL		\$ 1,755,000	100%	Reimbursement		\$0 0%
Last Year (projected)				\$361,000		
Two years ago (Actual)				\$0		

General Plant – Project No. 19948

Job Name: Misc. General Plant from other Divisions					
Job Description: Water Division allocation of corporate capital Equipment Needs.					
Plan / Policy: 2004 Water System Master Plan					
Project Driver: Aging Infrastructures, System Growth, Efficiency					
CIP ID # GPA3					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
					0%
2008 to 2012	\$246,000	Bond-Rates		\$0	0%
2013 to 2017	\$287,000	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$533,000	Reimbursement		\$0
			Improvement		\$0
Budget Detail			Total Unbonded Funding (2008 to 2017)		\$533,000
					100%
Engineering	\$79,950	15%	Unbonded-Rates		\$533,000
Construction	\$415,740	78%	Unbonded-SDC		\$0
Administration	\$37,310	7%	Reimbursement		\$0
TOTAL		\$ 533,000	100%	Improvement	
Last Year (projected)		\$26,000			\$0
Two years ago (Actual)		\$16,508			0%

Job Name: General Plant - Hayden Bridge Annual Allowance					
Job Description: Capital Equipment Needs for Hayden Bridge Filtration Plant and Water Quality Lab.					
Plan / Policy: 2004 Water System Master Plan					
Project Driver: Aging Infrastructures, System Growth, Efficiency					
CIP ID # GPA4					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
					0%
2008 to 2012	\$150,000	Bond-Rates		\$0	0%
2013 to 2017	\$181,000	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$331,000	Reimbursement		\$0
			Improvement		\$0
Budget Detail			Total Unbonded Funding (2008 to 2017)		\$331,000
					100%
Engineering	\$9,930	3%	Unbonded-Rates		\$331,000
Construction	\$297,900	90%	Unbonded-SDC		\$0
Administration	\$23,170	7%	Reimbursement		\$0
TOTAL		\$ 331,000	100%	Improvement	
Last Year (projected)		\$800,000			\$0
Two years ago (Actual)		\$0			0%

General Plant – Project No. 19948

Job Name: General Plant - Water Operations Annual Allowance				
Job Description: Capital Equipment Needs for Water Operations (Distribution).				
Plan / Policy: 2004 Water System Master Plan				
Project Driver: Aging Infrastructures, System Growth, Efficiency				
CIP ID # GPA5				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
				0%
2008 to 2012	\$435,000	Bond-Rates		\$0
2013 to 2017	\$479,000	Bond-SDC		\$0
TOTAL (2008 to 2017)		\$914,000		Reimbursement
				\$0
				0%
Budget Detail				Improvement
				\$0
				0%
Engineering	\$137,100	15%	Total Unbonded Funding (2008 to 2017)	
Construction	\$712,920	78%	\$914,000	
Administration	\$63,980	7%	100%	
TOTAL		\$ 914,000		Unbonded-Rates
				\$914,000
				100%
				Unbonded-SDC
				\$0
				0%
				Reimbursement
				\$0
				0%
Last Year (projected)		\$195,000		Improvement
Two years ago (Actual)		\$0		\$0
				0%

Job Name: Water System GIS Upgrades & Plug-ins/WMS/CMMS				
Job Description: Capital software purchases for GIS maintenance upgrade (Land Base), Work management/scheduling, and management systems.				
Plan / Policy: 2004 Water System Master Plan				
Project Driver: Efficiency, Reliability				
CIP ID # GPA6				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
				0%
2008 to 2012	\$280,000	Bond-Rates		\$0
2013 to 2017	\$222,000	Bond-SDC		\$0
TOTAL (2008 to 2017)		\$502,000		Reimbursement
				\$0
				0%
Budget Detail				Improvement
				\$0
				0%
Engineering	\$25,100	5%	Total Unbonded Funding (2008 to 2017)	
Construction	\$441,760	88%	\$502,000	
Administration	\$35,140	7%	100%	
TOTAL		\$ 502,000		Unbonded-Rates
				\$502,000
				100%
				Unbonded-SDC
				\$0
				0%
				Reimbursement
				\$0
				0%
Last Year (projected)		\$0		Improvement
Two years ago (Actual)		\$0		\$0
				0%

General Plant – Project No. 19948

Job Name: Water Source Protection Program Annual Allowance				
Job Description: Misc. equipment associated with source water protection program.				
Plan / Policy: 2004 Water System Master Plan, 1995 Water Supply Plan				
Project Driver: Source Protection, Water Quality				
CIP ID # GPA7				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
				0%
2008 to 2012	\$64,000	Bond-Rates	\$0	0%
2013 to 2017	\$78,000	Bond-SDC	\$0	0%
TOTAL (2008 to 2017)		Reimbursement	\$0	0%
		Improvement	\$0	0%
Budget Detail		Total Unbonded Funding (2008 to 2017)		\$142,000
				100%
Engineering	\$14,200	10%	Unbonded-Rates	\$142,000
Construction	\$117,860	83%	Unbonded-SDC	\$0
Administration	\$9,940	7%	Reimbursement	\$0
TOTAL		\$ 142,000	100%	Improvement
Last Year (projected)		\$53,134		\$0
Two years ago (Actual)		\$0		0%

Job Name: Sample Station Replacements				
Job Description: Replacement of Water Quality aging sample stations with new and improved sample stations				
Plan / Policy: N/A				
Project Driver: Water Quality, Aging Infrastructure, Regulatory compliance				
CIP ID # 0				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
				0%
2008 to 2012	\$294,000	Bond-Rates	\$0	0%
2013 to 2017	\$0	Bond-SDC	\$0	0%
TOTAL (2008 to 2017)		Reimbursement	\$0	0%
		Improvement	\$0	0%
Budget Detail		Total Unbonded Funding (2008 to 2017)		\$294,000
				100%
Engineering	\$29,400	10%	Unbonded-Rates	\$294,000
Construction	\$244,020	83%	Unbonded-SDC	\$0
Administration	\$20,580	7%	Reimbursement	\$0
TOTAL		\$ 294,000	100%	Improvement
Last Year (projected)		\$11,000		\$0
Two years ago (Actual)		\$0		0%

General Plant – Project No. 19948

Job Name: Hydraulic Model Software Acquisition					
Job Description: A move to a network license may be required in 2007. Purchase of InfoSurge for 2008. Possible UDF module purchase in 2010.					
Plan / Policy: N/A					
Project Driver: Efficiency, Supports design of other projects					
CIP ID # GPA8					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$29,000	Bond-Rates		\$0	0%
2013 to 2017	\$23,000	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)		\$52,000	Reimbursement		\$0
Budget Detail			Improvement		\$0
Engineering	\$5,200	10%	Total Unbonded Funding (2008 to 2017)		\$52,000
Construction	\$43,160	83%	Unbonded-Rates		\$52,000
Administration	\$3,640	7%	Unbonded-SDC		\$0
TOTAL		\$ 52,000	100%	Reimbursement	
Last Year (projected)		\$42,000	Improvement		\$0
Two years ago (Actual)		\$0			0%

Instrumentation and Control General Plant – Project No. 19948

CIP ID #	Job Name	2008	2009	2010	2011	2012	2008-2012	2013-2017
0	Replacement of Leased Lines w/ Radio/Fiber Links	\$55,000	\$57,000	\$59,000	\$61,000	\$64,000	\$296,000	\$359,000
0	Replacement of Remote Monitoring Equipment (CL-17's etc.)	\$11,000	\$11,000	\$12,000	\$12,000	\$13,000	\$59,000	\$71,000
0	Access Control & Alarm Replacement Program	\$47,000	\$49,000	\$51,000	\$53,000	\$55,000	\$255,000	\$311,000
GPA9	Migration from RTU's to PLC-based Controllers	\$55,000	\$57,000	\$59,000	\$61,000	\$64,000	\$296,000	\$359,000
GPA10	Addition of New Remote Water Quality Monitoring Sites	\$82,000	\$85,000	\$0	\$0	\$0	\$167,000	\$0
GPA11	New Itanium Servers to replace Alpha Servers	\$55,000	\$57,000	\$59,000	\$0	\$0	\$171,000	\$0
0	Upgrade SCADA System	\$0	\$0	\$0	\$0	\$0	\$0	\$1,045,000
GPA12	Migration to single data base and quad redundant system	\$55,000	\$113,000	\$0	\$0	\$0	\$168,000	\$0
Project Total		\$360,000	\$429,000	\$240,000	\$187,000	\$196,000	\$1,412,000	\$2,145,000
2008 - 2017 Total							\$3,557,000	

Instrumentation and Control General Plant – Project No. 19948

Project Funding Summary (2008 to 2017)	
Total Bond Funding	\$0
Bond-Rates	\$0
Bond-SDC	\$0
Reimbursement	\$0
Improvement	\$0
Total Unbonded Funding	\$3,557,000
Total Rate Funding	\$3,557,000
Total SDC Funding	\$0
Reimbursement	\$0
Improvement	\$0
Project Funding Total	\$3,557,000

Instrumentation and Control General Plant – Project No. 19948

Job Name: Replacement of Leased Lines w/ Radio/Fiber Links						
Job Description: Rreplacement of leased copper lines with radio link; to the EWEB fiber network.						
Plan / Policy: N/A						
Project Driver: Reliability, Cost savings						
CIP ID # 0						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$296,000	Bond-Rates		\$0	0%	
2013 to 2017	\$359,000	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$655,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$196,500	30%	Total Unbonded Funding (2008 to 2017)		\$655,000 100%	
Construction	\$412,650	63%	Unbonded-Rates		\$655,000 100%	
Administration	\$45,850	7%	Unbonded-SDC		\$0 0%	
TOTAL		\$ 655,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0 0%

Job Name: Replacement of Remote Monitoring Equipment (CL-17's etc.)						
Job Description: Replacement of Remote water quality monitoring equipment such as Chlorine PH and turbidity monitors.						
Plan / Policy: N/A						
Project Driver: Aging infrastructure, Reliability, Water Quality						
CIP ID # 0						
Year Job Open / Designed						
Year Job Constructed						
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%	
2008 to 2012	\$59,000	Bond-Rates		\$0	0%	
2013 to 2017	\$71,000	Bond-SDC		\$0	0%	
TOTAL (2008 to 2017)		\$130,000	Reimbursement		\$0 0%	
Budget Detail			Improvement		\$0 0%	
Engineering	\$39,000	30%	Total Unbonded Funding (2008 to 2017)		\$130,000 100%	
Construction	\$81,900	63%	Unbonded-Rates		\$130,000 100%	
Administration	\$9,100	7%	Unbonded-SDC		\$0 0%	
TOTAL		\$ 130,000	100%	Reimbursement		\$0 0%
Last Year (projected)				Improvement		\$0 0%
Two years ago (Actual)						\$0 0%

Instrumentation and Control General Plant – Project No. 19948

Job Name: Access Control & Alarm Replacement Program					
Job Description: Removes WTP particle counters from the existing stand-alone monitoring system and integrates the data into the plant control system.					
Plan / Policy: 2004 Water System Master Plan					
Project Driver: 0					
CIP ID # 0					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$255,000		Bond-Rates	\$0	0%
2013 to 2017	\$311,000		Bond-SDC	\$0	0%
TOTAL (2008 to 2017)		\$566,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$169,800	30%	Total Unbonded Funding (2008 to 2017)		\$566,000 100%
Construction	\$356,580	63%	Unbonded-Rates	\$566,000	100%
Administration	\$39,620	7%	Unbonded-SDC	\$0	0%
TOTAL		\$ 566,000 100%		Reimbursement	\$0 0%
Last Year (projected)		\$0		Improvement	\$0 0%
Two years ago (Actual)		\$0			

Job Name: Migration from RTU's to PLC-based Controllers					
Job Description: Replaces existing 36 RTUs with new PLCs and standardizes the entire system on Allen-Bradley family controllers.					
Plan / Policy: 2004 Water System Master Plan					
Project Driver: Aging Infrastructure, Reliability					
CIP ID # GPA9					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$296,000		Bond-Rates	\$0	0%
2013 to 2017	\$359,000		Bond-SDC	\$0	0%
TOTAL (2008 to 2017)		\$655,000		Reimbursement	\$0 0%
Budget Detail				Improvement	\$0 0%
Engineering	\$196,500	30%	Total Unbonded Funding (2008 to 2017)		\$655,000 100%
Construction	\$412,650	63%	Unbonded-Rates	\$655,000	100%
Administration	\$45,850	7%	Unbonded-SDC	\$0	0%
TOTAL		\$ 655,000 100%		Reimbursement	\$0 0%
Last Year (projected)		\$52,110		Improvement	\$0 0%
Two years ago (Actual)		\$0			

Instrumentation and Control General Plant – Project No. 19948

Job Name: Addition of New Remote Water Quality Monitoring Sites				
Job Description: Adds three new remote SCADA sites for water quality monitoring.				
Plan / Policy: 2004 Water System Master Plan, Stage-II, DBP Rule				
Project Driver: Regulatory, Security				
CIP ID # GPA10				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2008 to 2017)		\$0
2008 to 2012	\$167,000	Bond-Rates		\$0
2013 to 2017	\$0	Bond-SDC		\$0
TOTAL (2008 to 2017)		Reimbursement		\$0
		Improvement		\$0
Budget Detail		Total Unbonded Funding (2008 to 2017)		\$167,000
Engineering	\$50,100	30%	Unbonded-Rates	
Construction	\$105,210	63%	Unbonded-SDC	
Administration	\$11,690	7%	Reimbursement	
TOTAL		\$ 167,000	100%	\$0
Last Year (projected)				\$0
Two years ago (Actual)				\$0

Job Name: New Itanium Servers to replace Alpha Servers				
Job Description: Replacement of older servers with new, faster and larger capacity Itaniums.				
Plan / Policy: N/A				
Project Driver: Aging Infrastructure, Capacity, Efficiency				
CIP ID # GPA11				
Year Job Open / Designed				
Year Job Constructed				
Job Costs		Total Bond Funding (2007 to 2016)		\$0
2008 to 2012	\$171,000	Bond-Rates		\$0
2013 to 2017	\$0	Bond-SDC		\$0
TOTAL (2008 to 2017)		Reimbursement		\$0
		Improvement		\$0
Budget Detail		Total Unbonded Funding (2007 to 2016)		\$171,000
Engineering	\$51,300	30%	Unbonded-Rates	
Construction	\$107,730	63%	Unbonded-SDC	
Administration	\$11,970	7%	Reimbursement	
TOTAL		\$ 171,000	100%	\$0
Last Year (projected)				\$0
Two years ago (Actual)				\$0

Instrumentation and Control General Plant – Project No. 19948

Job Name: Upgrade SCADA System					
Job Description: Upgrade SCADA system to current state of the art hardware and software					
Plan / Policy: N/A					
Project Driver: Aging Infrastructure, Capacity, Efficiency					
CIP ID # 0					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$0	Bond-Rates		\$0	0%
2013 to 2017	\$1,045,000	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)	\$1,045,000	Reimbursement		\$0	0%
Budget Detail			Improvement		\$0 0%
Engineering	\$313,500	30%	Total Unbonded Funding (2008 to 2017)		\$1,045,000 100%
Construction	\$658,350	63%	Unbonded-Rates		\$1,045,000 100%
Administration	\$73,150	7%	Unbonded-SDC		\$0 0%
TOTAL	\$ 1,045,000	100%	Reimbursement		\$0 0%
Last Year (projected)			Improvement		\$0 0%
Two years ago (Actual)					\$0 0%

Job Name: Migration to single data base and quad redundant system					
Job Description: Combine Distribution SCADA and Plant SCADA Data bases into one and convert to two dual-redundant systems into a quad-redundant system.					
Plan / Policy: N/A					
Project Driver: Reliability, Efficiency					
CIP ID # GPA12					
Year Job Open / Designed					
Year Job Constructed					
Job Costs			Total Bond Funding (2008 to 2017)		\$0 0%
2008 to 2012	\$168,000	Bond-Rates		\$0	0%
2013 to 2017	\$0	Bond-SDC		\$0	0%
TOTAL (2008 to 2017)	\$168,000	Reimbursement		\$0	0%
Budget Detail			Improvement		\$0 0%
Engineering	\$50,400	30%	Total Unbonded Funding (2008 to 2017)		\$168,000 100%
Construction	\$105,840	63%	Unbonded-Rates		\$168,000 100%
Administration	\$11,760	7%	Unbonded-SDC		\$0 0%
TOTAL	\$ 168,000	100%	Reimbursement		\$0 0%
Last Year (projected)			Improvement		\$0 0%
Two years ago (Actual)					\$0 0%

APPENDIX A

FINANCIAL SUMMARY

2008 - 2017 Capital Improvement Plan Summary *

Project Number	Project Area	Draft CIP 2008	Draft CIP 2009	Draft CIP 2010	Draft CIP 2011	Draft CIP 2012	Total CIP 2008- 2012	Total CIP 2013-2017	Total CIP 2008-2017
14196	Water Source Additions	412,000	889,000	6,237,000	1,896,000	426,000	9,860,000	25,739,000	35,599,000
14270	Water Production Additions & Improvements	5,461,000	6,240,000	2,126,000	1,176,000	857,000	15,860,000	9,873,000	25,733,000
14204	Pump Station Improvements	364,000	657,000	561,000	646,000	624,000	2,852,000	477,000	3,329,000
14017	Water Reservoir Additions	1,384,000	2,939,000	1,470,000	1,674,000	728,000	8,195,000	4,266,000	12,461,000
14507	Water Transmission Improvements	-	338,000	-	-	-	338,000	-	338,000
14018	Water Services & Meters	55,000	69,000	71,000	74,000	77,000	346,000	474,000	820,000
14152	Water Main Replacements	1,359,000	1,445,000	1,539,000	1,686,000	1,917,000	7,946,000	12,433,000	20,379,000
14203	Water Main Improvements	1,202,000	707,000	1,008,000	575,000	521,000	4,013,000	3,920,000	7,933,000
14339	Water Main Relocations	635,000	1,952,000	2,091,000	974,000	1,044,000	6,696,000	6,105,000	12,801,000
19948	General Plant Additions	900,000	659,000	903,000	582,000	493,000	3,537,000	2,997,000	6,534,000
19948	Instrumentation and Contral General Plant	360,000	429,000	240,000	187,000	196,000	1,412,000	2,145,000	3,557,000
	TOTAL CAPITAL BUDGET	12,132,000	16,324,000	16,246,000	9,470,000	6,883,000	61,055,000	68,429,000	129,484,000
	DEBT SERVICE Total	1,944,000	2,560,000	3,168,000	3,038,000	3,039,000	13,749,000	15,869,000	29,618,000
	TOTAL BUDGET w/Debt Service	14,076,000	18,884,000	19,414,000	12,508,000	9,922,000	74,804,000	84,298,000	159,102,000
FUNDING SOURCES									
	RATE Funding	7,611,000	10,735,350	13,289,500	8,580,150	5,311,450	45,527,450	57,206,150	102,733,600
	SDC Funding	4,521,000	5,588,650	2,956,500	889,850	1,571,550	15,527,550	11,222,850	26,750,400
	FUNDING TOTAL	12,132,000	16,324,000	16,246,000	9,470,000	6,883,000	61,055,000	68,429,000	129,484,000
	Debt Service Funding	1,944,000	2,560,000	3,168,000	3,038,000	3,039,000	13,749,000	15,869,000	29,618,000
	TOTAL FUNDING W/Debt Service	14,076,000	18,884,000	19,414,000	12,508,000	9,922,000	74,804,000	84,298,000	159,102,000

* Expenditures are adjusted at 4% per year as per ENR Construction Cost Index