Water

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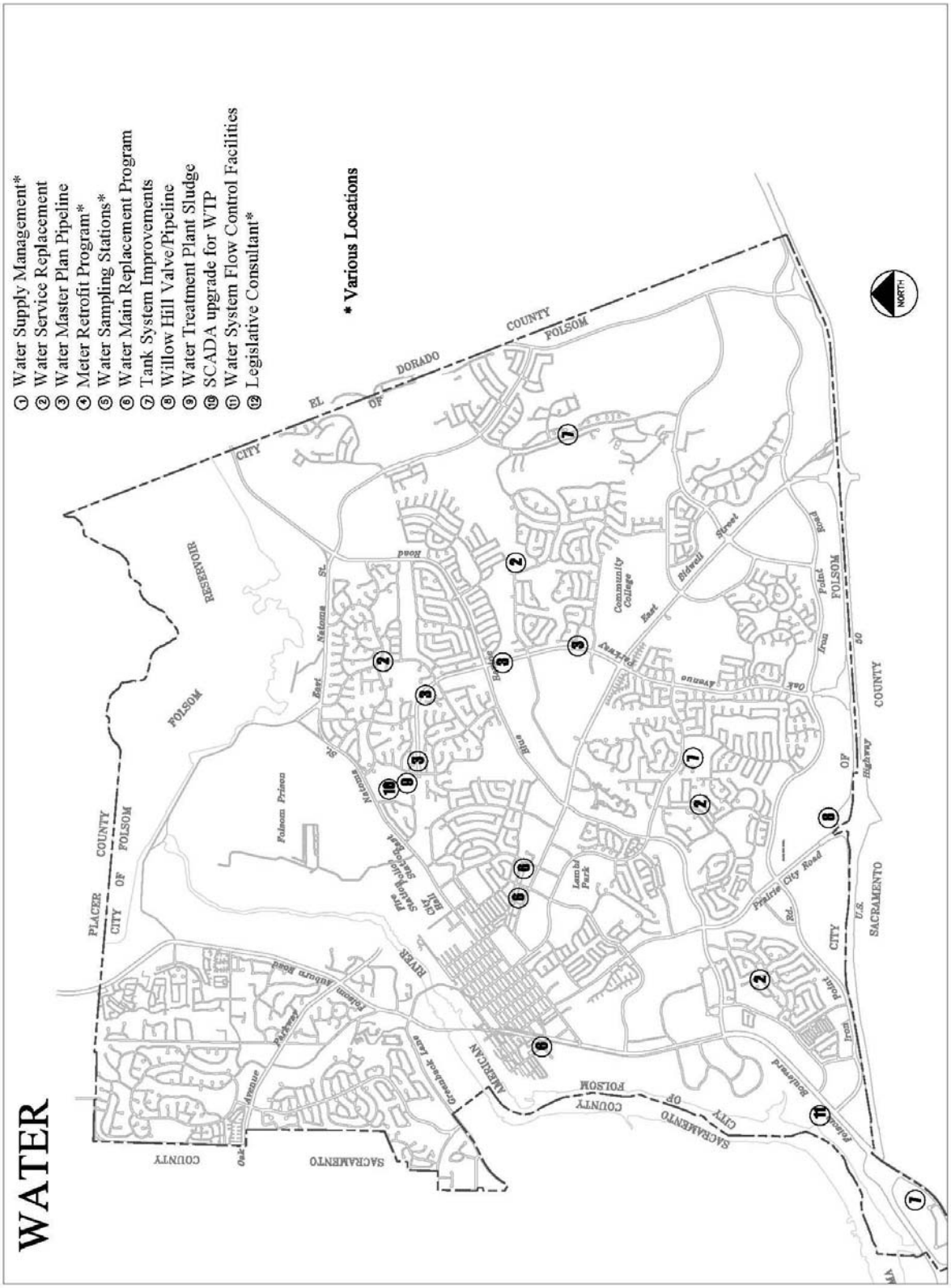
WATER
① Water Supply Management*
② Water Service Replacement
③ Water Master Plan Pipeline
④ Meter Retrofit Program*
⑤ Water Sampling Stations*
⑥ Water Main Replacement Program
⑦ Tank System Improvements
⑧ Willow Hill Valve/Pipeline
⑨ Water Treatment Plant Sludge
⑩ SCADA upgrade for WTP
⑪ Water System Flow Control Facilities
⑫ Legislative Consultant*
* Various Locations
NORTH
CITY OF EL DORADO COUNTY
FOLSOM RESERVOIR
PLACER COUNTY
CITY OF FOLSOM
SACRAMENTO COUNTY
CITY OF SACRAMENTO
FOLSOM COUNTY
AMERICAN RIVER
Folsom Prison
Folsom Auburn Road
Oak Avenue
Parkway
Greenback Lane
Natoma St.
East Natoma St.
Blue Ravine Road
Folsom Blvd
Iron Point Road
Oak Avenue Parkway
Bidwell Street
East Bidwell
Prairie City Road
Rd.
Lake Natoma
Lake Natoma Dam
Lake Natoma Spillway
Lake Natoma Pipeline
Lake Natoma Bridge
Lamb Park
Community College
Iron Point Road
Folsom Boulevard
Prairie City Road
U.S. 50
Highway
SACRAMENTO COUNTY

Project Cost Summary

Implementation Total All Projects, All Budgeted Costs
The table illustrates the Fiscal Year in which the funds will be spent.

Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013	Total
19,096,131	4,688,000	5,585,000	3,985,000	1,685,000	2,085,000	2,085,000	39,209,131

Total All Projects, All Budgeted Costs
The table below illustrates the total project costs, indicating the total budget for all projects planned in the current year, or in the year the project commences.

Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013	Total
39,209,131	-	-	-	-	-	-	39,209,131

Project Operating Impact Summary

Total All Projects (Expenditures minus Revenues)

FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
-	-	-	-	-	-

Project Name: **Miscellaneous Tank System Improvements**

Project Number: 7016

Project Contact: Utilities ~ utilitiesdept@folsom.ca.us

Project Description: This project involves the design and related site work (found necessary as a result of annual tank inspections) needed to maintain the City's existing water storage tanks. Work could include recoating of the tank's interior or exterior, adding cathodic protection, replacing deteriorated materials and fittings, and other such improvements to help prolong the life of these structures.

Justification: This project meets the City's CIP goal of ensuring that existing infrastructure is maintained. As the City's existing water system ages, interior and exterior coatings deteriorate. Without continued maintenance on these existing facilities, they will deteriorate to the point where they will need to be replaced which is extremely costly.

Relationship to other CIP: This project is independent of other projects and will be required as long as the City is the water purveyor.

Alternatives: Each tank will be evaluated on a case-by-case basis. Depending on the extent of maintenance needed, alternatives will be considered at that time.

Project Update / Progress Report: Interior coating has been replaced at Tower Reservoir and South Reservoir in the last two years. It is intended that the remaining tanks will continue to be inspected and, if appropriate, recoated at a rate of about one tank every other year. Three new tanks have or are about to be added to the water system as the East Area develops. However, their coatings should be adequate for at least the next 15 to 20 years.

Relationship to General Plan or other adopted plan: Storage tank inspections are recommended in the Water Master Plan to be conducted every 2 to 3 years which has been the City's practice. Once deteriorating conditions are found, the Master Plan recommends that appropriate action be taken to correct the problem.

Miscellaneous Tank System Improvements

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise	2,230,661	250,000	250,000	100,000	100,000	500,000	500,000	3,930,661
Loans/Grants								-
Impact Fees		250,000	250,000					500,000
Pay-Go								-
Other	43,271							43,271
Total	2,273,932	500,000	500,000	100,000	100,000	500,000	500,000	4,473,932

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design	60,000	40,000	40,000			40,000	40,000	220,000
Construction	2,093,932	420,000	420,000	100,000	100,000	420,000	420,000	3,973,932
Inspection		40,000	40,000			40,000	40,000	160,000
Project Management	30,000							30,000
Materials Testing								-
Construction Staking								-
Other								-
Contingencies	90,000							90,000
Total	2,273,932	500,000	500,000	100,000	100,000	500,000	500,000	4,473,932

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-

Project Name:	**Pipeline Water Master Plan**
Project Number:	2307
Project Contact:	Utilities ~ utilitiesdept@folsom.ca.us
Project Description:	Design and construction of major water mains to meet demands based on the recommendation of the Water Master Plan Update and other hydraulic analyses.
Justification:	Computer analyses have indicated that in order to provide the desired level of service to meet maximum day demands plus fire flows and to meet peak hour demand conditions, the proposed facilities are required. Therefore, in order to ensure that existing infrastructure can continue to meet demands as growth continues, this project is needed.
Relationship to other CIP:	This project is related to the Water Treatment Plant Expansion Phase IV and to the WTP Pump Station Expansion Projects in that both projects will provide the supply (treatment and pumping capacity) that is needed to meet the demands that these pipelines will serve.
Alternatives:	In order to meet water demands, pumps are increased, and additional mains are installed to meet demands. Both are being proposed as two CIP's to meet increased demands in accordance with the recommendations in the Water Master Plan Update and other hydraulic analyses.
Project Update / Progress Report:	Pre-design and design will begin upon the completion of the Water Master Plan Update. Pipeline Rehabilitation Projects have begun and will continue to ensure adequate infrastructure for supply.
Relationship to General Plan or other adopted plan:	This project is the result of the recent work in the Water Master Plan Update and other hydraulic analyses. Details regarding location and size are now known, so that the design can be started.

Pipeline Water Master Plan

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise	3,505,153	325,000	1,250,000	1,250,000	100,000	100,000	100,000	6,630,153
Loans/Grants								-
Impact Fees	1,889,667	325,000	1,250,000	1,250,000	100,000	100,000	100,000	5,014,667
Pay-Go								-
Other	380,000							380,000
Total	5,774,820	650,000	2,500,000	2,500,000	200,000	200,000	200,000	12,024,820

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design	1,594,820	50,000	200,000	200,000	20,000	20,000	20,000	2,104,820
Construction	3,780,000	550,000	2,100,000	2,100,000	160,000	160,000	160,000	9,010,000
Inspection	400,000	50,000	200,000	200,000	20,000	20,000	20,000	910,000
Project Management								-
Materials Testing								-
Construction Staking								-
Other								-
Contingencies								-
Total	5,774,820	650,000	2,500,000	2,500,000	200,000	200,000	200,000	12,024,820

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-

Project Name:	**SCADA Upgrade for Water Treatment Plant**
Project Number:	2328
Project Contact:	Utilities ~ utilitiesdept@folsom.ca.us
Project Description:	Upgrade hardware/software/architecture in the water distribution system and at various pump station locations.
Justification:	Supervisory Control And Data Acquisition (SCADA) upgrades will ensure the City will stay abreast with anticipated regulatory changes that will affect how the City operates its water system. As monitoring and control strategies change to meet those regulations, communications and hardware must be added/upgraded to help meet the challenge of providing high quality drinking water.
Relationship to other CIP:	A proposed new project called "Water Sampling Stations" has a similar goal: meet the challenge of current and changing regulations through better monitoring.
Alternatives:	Not upgrading SCADA was considered and rejected. Folsom has a very complex water system. Without proper monitoring and control strategies in place that complex system will suffer failures. Upgrading SCADA as changes occur in monitoring and control technologies and regulations provides an additional tool for management of the water system.
Project Update / Progress Report:	None.
Relationship to General Plan or other adopted plan:	None.

SCADA Upgrade for Water Treatment Plant

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise	460,638	100,000	70,000	70,000	70,000	70,000	70,000	910,638
Loans/Grants								-
Impact Fees								-
Pay-Go								-
Other								-
Total	460,638	100,000	70,000	70,000	70,000	70,000	70,000	910,638

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design		15,000						15,000
Construction	460,638	70,000	70,000	70,000	70,000	70,000	70,000	880,638
Inspection		15,000						15,000
Project Management								-
Materials Testing								-
Construction Staking								-
Other								-
Contingencies								-
Total	460,638	100,000	70,000	70,000	70,000	70,000	70,000	910,638

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-

Project Name: **Water Main Replacement Program**

Project Number: 9004

Project Contact: Utilities ~ utilitiesdept@folsom.ca.us

Project Description: This project involves the design and construction of new water mains, valves, and other control devices to replace aging and under-sized facilities within the existing water distribution system. It could also include miscellaneous improvements to the existing water facilities (i.e. telemetry upgrades, pump station modifications, etc.) found necessary to provide continued water service.

Justification: This project meets the City's CIP goal of ensuring that the existing infrastructure is maintained and replaced. As the City's existing water system ages, steel and cast iron water mains deteriorate and need to be replaced. In other areas, providing adequate pressure and fire flow is at a minimum. These existing facilities will eventually need to be replaced to provide an appropriate level of service.

Relationship to other CIP: This project is independent of other projects and will be required as long as the City is the water purveyor.

Alternatives: For small size water mains, the least costly alternative is usually to replace the main with a new main. Other alternatives considered are "slip lining" with polyethylene pipe or using "insituform" lining, but these alternatives are usually more costly when service replacements are involved.

Project Update / Progress Report: This is an annual project, where several main replacements will be designed and replaced each year mainly in the older part of the City. These improvements were included in Zone 1 water system report and the Water Master Plan update. The order of main replacement may be modified over future years depending on reported mains leaks, problems, and the effect on water customers.

Relationship to General Plan or other adopted plan: This project is intended to follow the recommendation contained in the Boyle report entitled Zone 1 Water System Study & Improvements, dated December 2002. The project also follows the recommendations contained in the Water Master Plan Update regarding "Phase I Small Pipeline Improvement Projects" and water distribution operation condition assessment program.

Water Main Replacement Program

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise	3,067,475	2,036,000	1,500,000	500,000	500,000	500,000	500,000	8,603,475
Loans/Grants								-
Impact Fees								-
Pay-Go								-
Other								-
Total	3,067,475	2,036,000	1,500,000	500,000	500,000	500,000	500,000	8,603,475

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design	140,000	160,000	130,000	40,000	40,000	40,000	40,000	590,000
Construction	2,779,775	1,716,000	1,240,000	420,000	420,000	420,000	420,000	7,415,775
Inspection	4,000	160,000	130,000	40,000	40,000	40,000	40,000	454,000
Project Management	13,000							13,000
Materials Testing	17,000							17,000
Construction Staking								-
Other								-
Contingencies	113,700							113,700
Total	3,067,475	2,036,000	1,500,000	500,000	500,000	500,000	500,000	8,603,475

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-

Project Name:	**Water Sampling Stations**
Project Number:	2418
Project Contact:	Utilities ~ utilitiesdept@folsom.ca.us
Project Description:	Install 40-50 sampling stations for coliform bacteria monitoring in the water distribution system. These sites will be selected based on water system characteristics and will be randomly located throughout the system.
Justification:	State regulation requires all water systems to monitor for the presence of coliform bacteria in drinking water. These sampling stations will provide a more sanitary environment than outside faucets at businesses and residences, which are now used for collecting samples. Current sampling strategies increase the risk of returning false-positives for coliform.
Relationship to other CIP:	Once these sites are installed, they can be used for more than just collecting samples for coliform monitoring. The sites can be used to monitor for other water quality parameters to meet increasing water quality regulation for water systems. The Supervisory Control and Data Acquisition (SCADA) upgrade project for the Water Treatment Plant is intended not only to upgrade technologies but also to enhance and increase monitoring of the water system.
Alternatives:	Maintain current sampling strategy. Maintaining sanitary conditions at sites the City does not control is becoming increasingly difficult under the current strategy. Control of site and sanitary conditions caused us to reject this alternative.
Project Update / Progress Report:	Water sampling stations have been designed and installation is underway and will be part of the overall water distribution system installation.
Relationship to General Plan or other adopted plan:	None.

Water Sampling Stations

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise	67,299	65,000	15,000	15,000	15,000	15,000	15,000	207,299
Loans/Grants								-
Impact Fees								-
Pay-Go								-
Other								-
Total	67,299	65,000	15,000	15,000	15,000	15,000	15,000	207,299

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design		10,000						10,000
Construction	67,299	45,000	15,000	15,000	15,000	15,000	15,000	187,299
Inspection		10,000						10,000
Project Management								-
Materials Testing								-
Construction Staking								-
Other								-
Contingencies								-
Total	67,299	65,000	15,000	15,000	15,000	15,000	15,000	207,299

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-

Project Name:	**Water Service Replacement**
Project Number:	2226
Project Contact:	Utilities ~ utilitiesdept@folsom.ca.us
Project Description:	Installation of cathodic protection or replacement of copper water services, which is necessary due to development in areas of the city with corrosive soil conditions. This funding is used for ongoing projects as the deficiencies are discovered.
Justification:	Replace failed copper water services, while providing uninterrupted service to City residents.
Relationship to other CIP:	None.
Alternatives:	None.
Project Update / Progress Report:	Annual corrosion protection installation and service replacement completed by operation staff.
Relationship to General Plan or other adopted plan:	None.

Water Service Replacement

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise	1,130,000	250,000	250,000	250,000	250,000	250,000	250,000	2,630,000
Loans/Grants								-
Impact Fees								-
Pay-Go								-
Other								-
Total	1,130,000	250,000	250,000	250,000	250,000	250,000	250,000	2,630,000

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design								-
Construction	1,130,000	250,000	250,000	250,000	250,000	250,000	250,000	2,630,000
Inspection								-
Project Management								-
Materials Testing								-
Construction Staking								-
Other								-
Contingencies								-
Total	1,130,000	250,000	250,000	250,000	250,000	250,000	250,000	2,630,000

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-

Project Name:	**Water System Flow Control Facilities**
Project Number:	2509
Project Contact:	Utilities ~ utilitiesdept@folsom.ca.us
Project Description:	Over the next 5 years, the water division will modify existing flow control facilities to increase control, reliability, and service life of facilities. Modifications will reduce employees' exposure to hazardous conditions and environments.
Justification:	Maintain infrastructure, regulatory compliance, and water availability.
Relationship to other CIP:	None
Alternatives:	Reduce service life of facility. Replace facilities more frequently. Defer maintenance. Replace facility upon failure. Increase labor force, training, and safety equipment to meet confined space regulations.
Project Update / Progress Report:	The city installed five pressure/flow control facilities in the past three years.
Relationship to General Plan or other adopted plan:	None.

Water System Flow Control Facilities

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise	571,967	87,000	50,000	50,000	50,000	50,000	50,000	908,967
Loans/Grants								-
Impact Fees								-
Pay-Go								-
Other								-
Total	571,967	87,000	50,000	50,000	50,000	50,000	50,000	908,967

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design								-
Construction	571,967	87,000	50,000	50,000	50,000	50,000	50,000	908,967
Inspection								-
Project Management								-
Materials Testing								-
Construction Staking								-
Other								-
Contingencies								-
Total	571,967	87,000	50,000	50,000	50,000	50,000	50,000	908,967

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-

Project Name:	**Water Treatment Plant Improvement Projects**
Project Number:	New
Project Contact:	Utilities ~ utilitiesdept@folsom.ca.us
Project Description:	Over the next 5 years, the water division will modify and upgrade facilities at the water treatment plant. Projects will include backup sodium hypochlorite system, cathodic protection, drainage improvements and site security upgrades stated in the Vulnerability and Assessment report.
Justification:	In order to maintain infrastructure, regulatory compliance, and water availability, the water treatment plant will need to install miscellaneous improvements over the next several years.
Relationship to other CIP:	Supervisory Control And Data Acquisition (SCADA) Upgrades for water.
Alternatives:	Reduce service life of facility. Replace facilities more frequently. Defer maintenance. Replace facility upon failure. Increase labor force, training, and safety equipment to meet confined space regulations.
Project Update / Progress Report:	The Water Treatment Plant Expansion Phase 4B was completed in February 2007. The Zone 2/3 Pump Station Improvements are scheduled to be complete in November 2007.
Relationship to General Plan or other adopted plan:	N/A

Water Treatment Plant Improvement Projects

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise		300,000	500,000	500,000	500,000	500,000	500,000	2,800,000
Loans/Grants								-
Impact Fees								-
Pay-Go								-
Other								-
Total	-	300,000	500,000	500,000	500,000	500,000	500,000	2,800,000

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design			50,000	50,000	50,000	50,000	50,000	250,000
Construction		300,000	400,000	400,000	400,000	400,000	400,000	2,300,000
Inspection			50,000	50,000	50,000	50,000	50,000	250,000
Project Management								-
Materials Testing								-
Construction Staking								-
Other								-
Contingencies								-
Total	-	300,000	500,000	500,000	500,000	500,000	500,000	2,800,000

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-

Project Name:	**Water Treatment Pump Station Expansion**
Project Number:	2343
Project Contact:	Utilities ~ utilitiesdept@folsom.ca.us
Project Description:	Construction of pump station improvements for zones 2 and 3 at water treatment plant.
Justification:	In order to meet future demands because of growth and to improve the existing operation of the pump station, the pump station needs to be expanded and upgraded. This project was identified in the Water Master Plan and subsequent design reports.
Relationship to other CIP:	This project is tied to the WTP drinking water improvement project as this pump station distributes the treated water to the system.
Alternatives:	Leave pump station as is, but system demand won't be met.
Project Update / Progress Report:	Pre-design report to be completed first in order to better identify design project and funding requirements. Project is currently under construction and will be completed by December 2007. Cost for FY 2007-2008 are for potential contract change orders.
Relationship to General Plan or other adopted plan:	Project identified in the City's water master plan updates and technical memoranda.

Water Treatment Pump Station Expansion

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise	1,885,000	150,000						2,035,000
Loans/Grants								-
Impact Fees	1,885,000	150,000						2,035,000
Pay-Go								-
Other								-
Total	3,770,000	300,000	-	-	-	-	-	4,070,000

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design	400,000							400,000
Construction	3,000,000	300,000						3,300,000
Inspection	370,000							370,000
Project Management								-
Materials Testing								-
Construction Staking								-
Other								-
Contingencies								-
Total	3,770,000	300,000	-	-	-	-	-	4,070,000

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-

Project Name:	**Willow Hill Raw Waterline Relocation**
Project Number:	2417
Project Contact:	Utilities ~ utilitiesdept@folsom.ca.us
Project Description:	Installation of a second valve on the outlet of the dam on Willow Hill Reservoir and relocation or replacement of the Willow Hill raw waterline in specific problem areas.
Justification:	The Department of Safety of Dams has required the City to install a second valve on the outlet pipe of the Willow Hill Reservoir. The existing raw water line is presently on private property and realignment would alleviate existing problems within private property.
Relationship to other CIP:	None.
Alternatives:	Leave the pipeline as is, but maintenance of line and citizen issues warrant relocation.
Project Update / Progress Report:	None.
Relationship to General Plan or other adopted plan:	None.

Willow Hill Raw Waterline Relocation

Financial Impact

Funding Sources:

Sources	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
General Obligation Bonds								-
Revenue Bonds								-
COP's								-
Redevelopment								-
Enterprise	1,980,000	400,000	200,000					2,580,000
Loans/Grants								-
Impact Fees								-
Pay-Go								-
Other								-
Total	1,980,000	400,000	200,000	-	-	-	-	2,580,000

Project Cost Estimates:

Elements	Prior Years	FY2007-2008	FY 2008-2009	FY2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	Total
Land/ROW								-
Environmental								-
Plan Check								-
Design	150,000	35,000	20,000					205,000
Construction	1,680,000	330,000	160,000					2,170,000
Inspection	150,000	35,000	20,000					205,000
Project Management								-
Materials Testing								-
Construction Staking								-
Other								-
Contingencies								-
Total	1,980,000	400,000	200,000	-	-	-	-	2,580,000

Operating Impact

Net Operating Effect:

	Prior Years	FY 2007 - 2008	FY 2008 - 2009	FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013
Net Operating Effect		-	-	-	-		-