

WATER UTILITY PROJECTS FY 2009-2010

**WATER UTILITY CAPITAL IMPROVEMENT PROGRAM BUDGET FY 09-10
 PROJECT SUMMARY
 Fund 6700.67999**

PROJECTS (dollars in \$000)	Life to Date Actuals thru 6/30/09	Proposed FY 09-10	PROJECTED				Total Estimate
			FY 10-11	FY 11-12	FY 12-13	FY 13-14	
C00500101 Paula Lane Reservoir E. Washington St. (101 to Edith) 18" Water	758	\$ 2,470	\$ -	\$ -	\$ -	\$ -	\$ 3,228
C67401001 Main Replacement E. Washington St. (Edith to Bridge) 18"	-	1,550	-	-	-	-	1,550
C67401002 Water Main Replacement E. Washington St. North 18" Water Main	-	-	1,500	-	-	-	1,500
C67401003 Replacement	-	-	-	494	-	-	494
C67401004 Pump Stations Emergency Power Petaluma Blvd. North 12" Water Main	-	85	35	35	35	35	225
C67401005 Extension Casa Grande Road 16" Water Main	-	-	-	90	1,130	-	1,220
C67401006 Extension	-	-	-	-	100	1,250	1,350
C67401008 Water Main Replacements 2010 Various	-	15	15	475	980	1,230	2,715
C67500903 Automatic Meter Read Replacement	-	300	300	300	300	300	1,500
C67501007 Hardin Tank Exterior Recoating	-	-	-	-	25	250	275
C67501008 2010 Urban Water Management Plan	-	110	-	-	-	-	110
TOTAL	\$ 758	\$ 4,530	\$ 1,850	\$ 1,394	\$ 2,570	\$ 3,065	\$ 14,167

SOURCES (DOLLARS IN \$000)

Water Operating	\$ 758	\$ 2,122	\$ 1,850	\$ 1,394	\$ 1,440	\$ 1,815	\$ 9,379
Grant/Debt Proceeds	-	2,408	-	-	1,130	1,250	\$ 4,788
TOTAL	\$ 758	\$ 4,530	\$ 1,850	\$ 1,394	\$ 2,570	\$ 3,065	\$ 14,167

Project Title: Paula Lane Reservoir #2

C00500101

PROJECT PURPOSE AND DESCRIPTION

The Paula Lane Reservoir #2 is needed to increase the City's water storage capacity by 1.7 MG. This will provide the City with 14.7 MG of storage, which is almost equal to two days of average demand. This will improve the integrity and security of the City's water system, and support the future replacement of the Oak Hill Reservoir, which was constructed in the 1880s. This project will allow needed maintenance of the Paula Lane Reservoir #1 to occur. Reservoir No. 1 was built in 1963 and needs maintenance, including sand blasting and re-coating the interior, replacement of the vents with screens, recoating the exterior, and safety improvements.

PROJECT PARAMETERS

Environmental: Various
 Public Info: N/A
 Schedule * : Expected completion 2011. Project cost estimate through completion \$3,228,000.
 Permits: N/A
 Reference: Water Distribution System Master Plan

FINANCIAL OVERVIEW

C00500101

Project Summary			
	Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
USES (dollars in \$000)			
Planning/Environmental	58	192	250
Land & Easements	430	(10)	420
Design	340	(200)	140
Legal Services		5	5
Administration		5	5
Construction Contracts	1,795	100	1,895
Construction Management	150	100	250
Salaries/Benefits		13	13
Contingency	210	40	250
CIP Overheads	13	(13)	-
TOTAL	2,996	232	3,228

SOURCES (dollars in \$000)

Water Operating	841	(21)	820
Grants/Debt Proceeds	2,155	253	2,408
TOTAL	2,996	232	3,228

USES (dollars in \$000)

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
Planning/Environmental	210		40					250
Land & Easements	414		6					420
Design	18		122					140
Legal Services	3		2					5
Administration	1		4					5
Construction Contracts	99		1,796					1,895
Construction Management			250					250
Salaries/Benefits	13							13
Contingency			250					250
CIP Overheads								-
TOTAL USES	758	-	2,470	-	-	-	-	3,228

SOURCES (dollars in \$000)

Water Operating	758		62					820
Grant/Debt Proceeds			2,408					2,408
TOTAL FUNDS	758	-	2,470	-	-	-	-	3,228

**Project Title: E. Washington St. (101 to Edith) 18” Water Main Replacement
 C67401001**

PROJECT PURPOSE AND DESCRIPTION

This project will replace the existing 6-inch, 8-inch and 10-inch cast iron and steel water mains in Washington Street from Highway 101 to Edith Street with a new 18” water transition main, water services and fire hydrants. Some of the existing utilities are over 70 years old, are in poor condition, and need to be upgraded.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2010. Project cost estimate through completion \$1,550,000.
 Permits: N/A
 Reference: Water Distribution System Master Plan

FINANCIAL OVERVIEW

C67401001

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
		-
		-
50		50
		-
		-
1,200		1,200
120		120
		-
180		180
		-
TOTAL	-	1,550

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

SOURCES (dollars in \$000)

Water Operating

	1,550		1,550
TOTAL	1,550	-	1,550

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
Planning/Environmental								-
Land & Easements								-
Design			50					50
Legal Services								-
Administration								-
Construction Contracts			1,200					1,200
Construction Management			120					120
Salaries/Benefits								-
Contingency			180					180
CIP Overheads								-
TOTAL USES	-	-	1,550	-	-	-	-	1,550

SOURCES (dollars in \$000)

Water Operating

			1,550					1,550
TOTAL FUNDS	-	-	1,550	-	-	-	-	1,550

**Project Title: E. Washington St. (Edith to Bridge) 18" Water Main Replacement
 C67401002**

PROJECT PURPOSE AND DESCRIPTION

This project will replace the existing 6-inch, 8-inch and 10-inch cast iron water mains in Washington Street from Edith Street to Petaluma River Bridge with a new 18" water transition main, water services and fire hydrants. The existing utilities are over 60 years old, are in poor condition, and need to be upgraded.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2011. Project cost estimate through completion \$1,500,000.
 Permits: N/A
 Reference: Water Distribution System Master Plan

FINANCIAL OVERVIEW

C67401002

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
		-
		-
		-
		-
		-
	1,200	1,200
	120	120
		-
	180	180
		-
TOTAL	-	1,500

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

SOURCES (dollars in \$000)

Water Operating

	1,500	1,500
TOTAL	-	1,500

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
								-
								-
								-
								-
				1,200				1,200
				120				120
								-
				180				180
								-
TOTAL USES	-	-	-	1,500	-	-	-	1,500

SOURCES (dollars in \$000)

Water Operating

			1,500					1,500
TOTAL FUNDS	-	-	-	1,500	-	-	-	1,500

**Project Title: E Washington St 18" (101 to Maria) Water Main Replacement
 C67401003**

PROJECT PURPOSE AND DESCRIPTION

This project will replace the existing 8-inch, 10-inch and 12-inch cast iron water mains in East Washington Street from Highway 101 to Edith Street with a new 18" water transition main, water services and fire hydrants. The existing utilities are over 60 years old, are in poor condition, and need to be upgraded.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2012. Project cost estimate through completion \$494,000.
 Permits: N/A
 Reference: Water Distribution System Master Plan

FINANCIAL OVERVIEW

C67401003

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
		-
		-
	50	50
		-
	1	1
	350	350
	40	40
		-
	53	53
		-
TOTAL	-	494

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

SOURCES (dollars in \$000)

Water Operating

	494	494
TOTAL	-	494

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
								-
								-
					50			50
								-
					1			1
					350			350
								-
								-
					53			53
								-
TOTAL USES	-	-	-	-	494	-	-	494

SOURCES (dollars in \$000)

Water Operating

				494				494
TOTAL FUNDS	-	-	-	494	-	-	-	494

Project Title: Pump Stations Emergency Power

C67401004

PROJECT PURPOSE AND DESCRIPTION

The project will replace the existing power service to the City's wells and replace them with a new service that will allow the proper and safe connection of the well service to a portable power generation unit. This project is meant to fully address General plan directive to be able to operate the wells in an emergency mode.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2015. Project cost estimate through completion \$225,000.
 Permits: N/A
 Reference: General Plan

FINANCIAL OVERVIEW

C67401004	Project Summary		
	Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
USES (dollars in \$000)			
Planning/Environmental			-
Land & Easements			-
Design		50	50
Legal Services			-
Administration			-
Construction Contracts		150	150
Construction Management			-
Salaries/Benefits			-
Contingency		25	25
CIP Overheads			-
TOTAL	-	225	225

SOURCES (dollars in \$000)			
Water Operating		225	225
TOTAL	-	225	225

C67401004	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
USES (dollars in \$000)								
Planning/Environmental								-
Land & Easements								-
Design			50					50
Legal Services								-
Administration								-
Construction Contracts			30	30	30	30	30	150
Construction Management								-
Salaries/Benefits								-
Contingency			5	5	5	5	5	25
CIP Overheads								-
TOTAL USES	-	-	85	35	35	35	35	225

SOURCES (dollars in \$000)								
Water Operating			85	35	35	35	35	225
TOTAL FUNDS	-	-	85	35	35	35	35	225

Project Title: Petaluma Blvd. North 12" Water Main Extension

C67401005

PROJECT PURPOSE AND DESCRIPTION

This project will install a new 12-inch water main in Petaluma Boulevard North between Corona Road and Oak Lane. This project will complete a gap in the existing water system. It will also install a 12-inch water main in Petaluma Boulevard North between Magnolia Avenue and Lakeview Street to provide higher a capacity main to improve service to central Petaluma. This project will increase levels of water service by improving infrastructure and increasing fire protection.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2014. Project cost estimate through completion \$1,220,000.
 Permits: N/A
 Reference: Water Distribution System Master Plan

FINANCIAL OVERVIEW

C67401005

	Project Summary		
	Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
USES (dollars in \$000)			
Planning/Environmental			-
Land & Easements			-
Design		90	90
Legal Services			-
Administration			-
Construction Contracts		890	890
Construction Management		90	90
Salaries/Benefits			-
Contingency		150	150
CIP Overheads			-
TOTAL	-	1,220	1,220

	SOURCES (dollars in \$000)		
Water Operating		90	90
Grants/Debt Proceeds		1,130	1,130
TOTAL	-	1,220	1,220

	ACTUALS		PROPOSED	PROJECTED			Total Estimate *	
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13		Estimate FY 13-14
USES (dollars in \$000)								
Planning/Environmental							-	
Land & Easements							-	
Design					90		90	
Legal Services							-	
Administration							-	
Construction Contracts						890	890	
Construction Management						90	90	
Salaries/Benefits							-	
Contingency						150	150	
CIP Overheads							-	
TOTAL USES	-	-	-	-	90	1,130	-	1,220

	SOURCES (dollars in \$000)							Total Estimate *
Water Operating					90			90
Grant/Debt Proceeds						1,130		1,130
TOTAL FUNDS	-	-	-	-	90	1,130	-	1,220

Project Title: Casa Grande Road 16" Water Main Extension

C67401006

PROJECT PURPOSE AND DESCRIPTION

This project will install a new 16-inch water main in Casa Grande Road between Adobe Road and Cross Creek Street. This project will improve utilization of the Manor Lane Reservoir by providing an improved transmission main and reducing interference with the Frates pumping station operations. This project will reduce maintenance costs.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2015. Project cost estimate through completion \$1,350,000.
 Permits: N/A
 Reference: Water Distribution System Master Plan

FINANCIAL OVERVIEW

C67401006

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
		-
		-
	100	100
	-	-
	-	-
	1,000	1,000
	100	100
		-
	150	150
		-
TOTAL	-	1,350

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

TOTAL

SOURCES (dollars in \$000)

Water Operating
 Grants/Debt Proceeds

TOTAL

	100	100
	1,250	1,250
TOTAL	-	1,350

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
USES (dollars in \$000)								-
Planning/Environmental								-
Land & Easements								-
Design						100		100
Legal Services								-
Administration								-
Construction Contracts							1,000	1,000
Construction Management							100	100
Salaries/Benefits								-
Contingency							150	150
CIP Overheads								-
TOTAL USES	-	-	-	-	-	100	1,250	1,350

SOURCES (dollars in \$000)

Water Operating
 Grant/Debt Proceeds

TOTAL FUNDS

						100		100
							1,250	1,250
TOTAL FUNDS	-	-	-	-	-	100	1,250	1,350

Project Title: Water Main Replacements 2010 Various

C67401008

PROJECT PURPOSE AND DESCRIPTION

This project is part of an ongoing effort to maintain levels of water service by preserving and improving infrastructure, replacing water mains as necessary and improving water transmission facilities. This project replaces old, deteriorated, and undersized water mains throughout the city with new water mains, water services and fire hydrants to reduce maintenance costs and to improve flow. Locations will be determined based on condition of the water mains and in coordination with planned road improvement projects.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2011. Project cost estimate through completion \$2,715,000.
 Permits: N/A
 Reference: N/A

FINANCIAL OVERVIEW

C67401008

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
	45	45
	-	-
	445	445
	-	-
	-	-
	-	-
	2,150	2,150
	75	75
	-	-
	-	-
TOTAL	-	2,715

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

SOURCES (dollars in \$000)

Water Operating

	2,715	2,715
TOTAL	-	2,715

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
					15	15	15	45
						95	150	200
			15	15	350	800	1,000	2,150
					15	15	15	75
TOTAL USES	-	-	15	15	475	980	1,230	2,715

SOURCES (dollars in \$000)

Water Operating

			15	15	475	980	1,230	2,715
TOTAL FUNDS	-	-	15	15	475	980	1,230	2,715

Project Title: Automatic Meter Read Replacement

C67500903

PROJECT PURPOSE AND DESCRIPTION

The City currently issues bi-monthly water bills based on water meters which are manually read every 60 days. This project includes replacement of the City's manual read water meters with new automatic read water meters which are fitted with radio transmitting devices that allow the meters to be read remotely. Automatic Meter Read (AMR) technology offers many benefits, including support of monthly billing, timely identification of leaks, which reduces costs for adjustments and unused water, improved accuracy, which reduces the number of re-reads and work orders, lower labor costs, improved customer service and satisfaction, improved worker safety, and is unobtrusive to the customer. Approximately 1,200 of the City's 19,000 meters are AMR, mostly because they have been required in new developments. This project will continue this trend. In FY 08-09, a further analysis of the cost/benefits of an enhanced AMR meter replacement program will be completed. If the results are favorable, a pilot program will be initiated in FY 08-09, followed by more replacements in the following fiscal years.

PROJECT PARAMETERS

Environmental: N/A
 Public Info: N/A
 Schedule * : Expected completion 2013. Project cost estimate through completion \$1,500,000.
 Permits: N/A
 Reference: N/A

FINANCIAL OVERVIEW

C67500903

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
		-
		-
100	(100)	-
		-
		-
500	750	1,250
		-
	250	250
		-
		-
TOTAL	900	1,500

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

SOURCES (dollars in \$000)

Water Operating
 Grants/Debt Proceeds

	1,500	1,500
600	(600)	-
TOTAL	900	1,500

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

	ACTUALS		PROPOSED	PROJECTED			Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	
							-
							-
							-
							-
			250	250	250	250	1,250
							-
			50	50	50	50	250
							-
							-
TOTAL USES	-	-	300	300	300	300	1,500

SOURCES (dollars in \$000)

Water Operating

		300	300	300	300	300	1,500
TOTAL FUNDS	-	-	300	300	300	300	1,500

Project Title: Hardin Tank Exterior Recoating

C67501007

PROJECT PURPOSE AND DESCRIPTION

This project will apply a new surface to the existing water tank and remove old and deteriorated paint. This project will improve the life of the tank and well as improve the aesthetics.

PROJECT PARAMETERS

Environmental: Notice of Exemption
 Public Info: N/A
 Schedule * : Expected completion 2015. Project cost estimate through completion \$275,000.
 Permits: N/A
 Reference: N/A

FINANCIAL OVERVIEW

C67501007

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
	25	25
	-	-
	-	-
	200	200
	50	50
		-
		-
		-
TOTAL	-	275

USES (dollars in \$000)

Planning/Environmental
 Land & Easements
 Design
 Legal Services
 Administration
 Construction Contracts
 Construction Management
 Salaries/Benefits
 Contingency
 CIP Overheads

TOTAL

SOURCES (dollars in \$000)

Water Operating

TOTAL

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
						25		
							200	200
							50	50
								-
								-
								-
TOTAL USES	-	-	-	-	-	25	250	275

SOURCES (dollars in \$000)

Water Operating

TOTAL FUNDS

						25	250	275
TOTAL FUNDS	-	-	-	-	-	25	250	275

Project Title: Urban Water Management Plan

C67501008

PROJECT PURPOSE AND DESCRIPTION

The City of Petaluma’s Urban Water Management Plan must be prepared in accordance with the Urban Water Management Planning Act. It addresses the City’s water system and includes a description of the water supply sources, magnitudes of historical and projected water use, and a comparison of water supply to water demands during normal, single-dry, and multiple-dry years.

PROJECT PARAMETERS

Environmental: N/A
 Public Info: N/A
 Schedule * : Project complete by December 2010. Cost \$110,000
 Reference: 2005 Urban Water Management Plan

FINANCIAL OVERVIEW

C67501008

Project Summary		
Total Estimate thru 6/30/09	Adjustments FY 09-10	Total Estimate thru 6/30/10
	80	80
		-
		-
		-
		-
		-
		-
	30	30
		-
		-
TOTAL	-	110

SOURCES (dollars in \$000)

Water Operating	110	110
TOTAL	-	110

	ACTUALS		PROPOSED	PROJECTED				Total Estimate *
	Life to Date thru 6/30/08	Estimate FY 08-09	Budget FY 09-10	Estimate FY 10-11	Estimate FY 11-12	Estimate FY 12-13	Estimate FY 13-14	
			80					80
								-
								-
								-
								-
								-
			30					30
								-
								-
TOTAL USES	-	-	110	-	-	-	-	110

SOURCES (dollars in \$000)

Water Operating		110						110
TOTAL FUNDS	-	-	110	-	-	-	-	110

