

WATER UTILITY PROJECTS FY 2005-2006

PROJECT SUMMARY
 (dollars in \$000)

	Prior Years	05-06	Total Appro. thru 05-06	06-07	07-08	08-09	09-10	Est. Total
C501000 Water Service Replacements	2,837	-	2,837	-	-	-	-	2,837
C501200 Property Site Improvements	4,869	400	5,269	-	-	-	-	5,269
C500105 Reservoir Seismic Upgrades	79	-	79	856	978	-	-	1,913
C500101 Paula Lane Reservoir #2	828	1,948	2,776	-	-	-	-	2,776
TOTAL	\$ 8,613	\$ 2,348	\$ 10,961	\$ 856	\$ 978	\$ -	\$ -	\$ 12,795

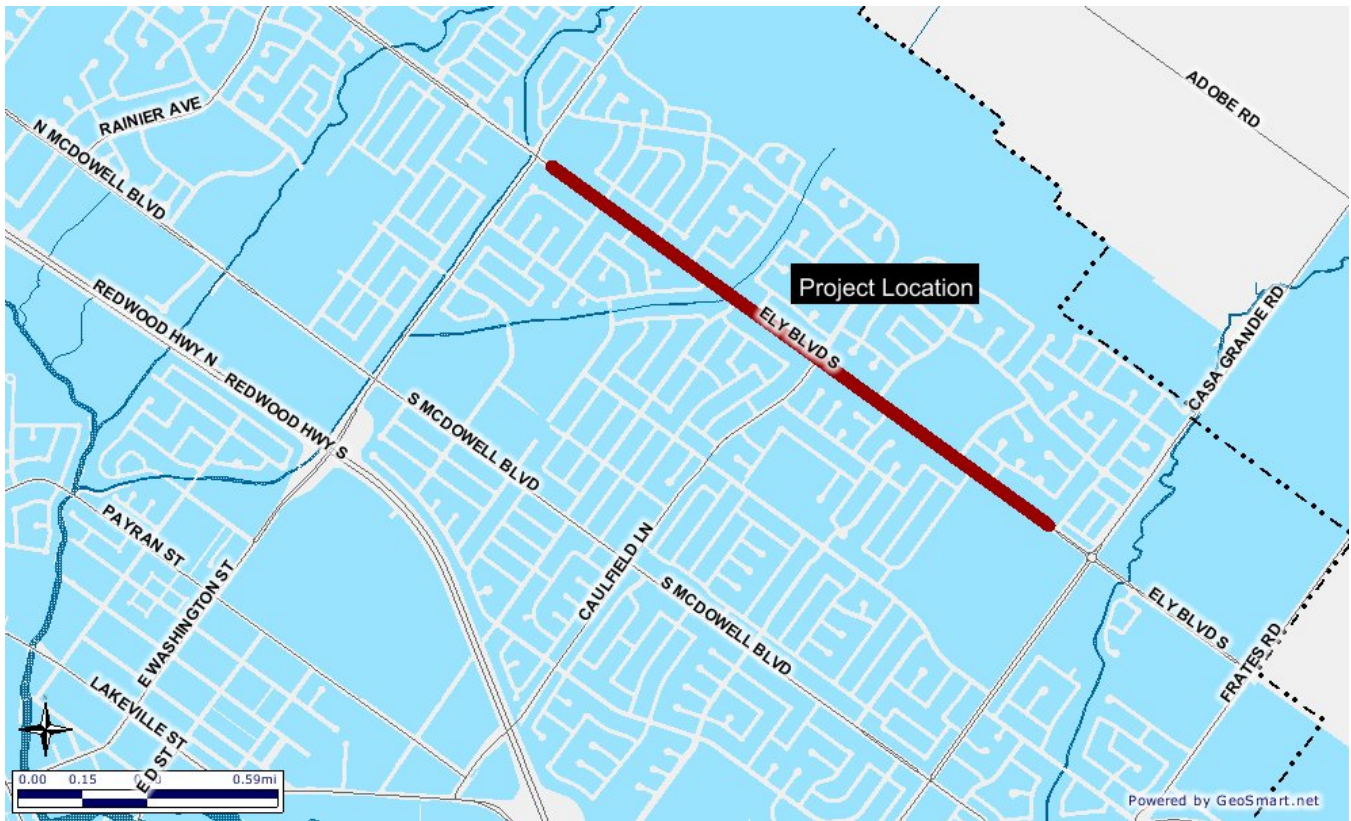
SOURCES
 (dollars in \$000)

	Prior Years	05-06	Total Appro. thru 05-06	06-07	07-08	08-09	09-10	Est. Total
Water Operating	\$ 6,827	\$ 1,374	\$ 8,201	\$ 731	\$ 978	\$ -	\$ -	\$ 9,910
Water Capital	414	974	1,388	-	-	-	-	1,388
Waste Water Operating	1,372	-	1,372	-	-	-	-	1,372
Grants	-	-	-	125	-	-	-	125
TOTAL	\$ 8,613	\$ 2,348	\$ 10,961	\$ 856	\$ 978	\$ -	\$ -	\$ 12,795

Project Title: Water Service Replacements

Project #: C501000

This project includes replacing deteriorating saddles and services to improve system reliability, decrease maintenance costs and reduce manpower to repair water leaks and damaged streets. Approximately 150 existing service lines on Ely Boulevard South between East Washington Street and Casa Grande Road will be replaced to provide new connections from the water main to the water meter. The work will be coordinated with the Public Facilities and Services Department to minimize disruptions to the transportation system.



Water Service Replacements C501000

USES (dollars in \$000)	Prior	Total Appro.					Est.	
	Years	05-06	thru 05-06	06-07	07-08	08-09	09-10	Total
55011 CIP Intragovernment Overhead	\$ 153	\$ -	\$ 153	\$ -	\$ -	\$ -	\$ -	\$ 153
54153 Administration	-	-	-	-	-	-	-	-
54150 Planning and Environmental Services	-	-	-	-	-	-	-	-
54110 Design Services	120	-	120	-	-	-	-	120
54120 Legal Counsel	-	-	-	-	-	-	-	-
62110 Land and Easements	70	-	70	-	-	-	-	70
54152 Construction Management Services	200	-	200	-	-	-	-	200
54151 Construction Contracts	2,194	-	2,194	-	-	-	-	2,194
57310 Contingency	100	-	100	-	-	-	-	100
TOTAL	\$ 2,837	\$ -	\$ 2,837	\$ -	\$ -	\$ -	\$ -	\$ 2,837

SOURCES (dollars in \$000)	Prior	Total Appro.					Est.	
	Years	05-06	thru 05-06	06-07	07-08	08-09	09-10	Total
Water Operating	\$ 2,837	\$ -	\$ 2,837	\$ -	\$ -	\$ -	\$ -	\$ 2,837
TOTAL	\$ 2,837	\$ -	\$ 2,837	\$ -	\$ -	\$ -	\$ -	\$ 2,837

FUTURE MAINTENANCE COSTS OF CAPITAL IMPROVEMENT PROJECT

The Water Utility continues to make improvements to the water delivery system of the water utility. Future maintenance needs, including the future maintenance of these improvements, will be funded from water funds.

CALCULATION OF FUTURE SAVINGS

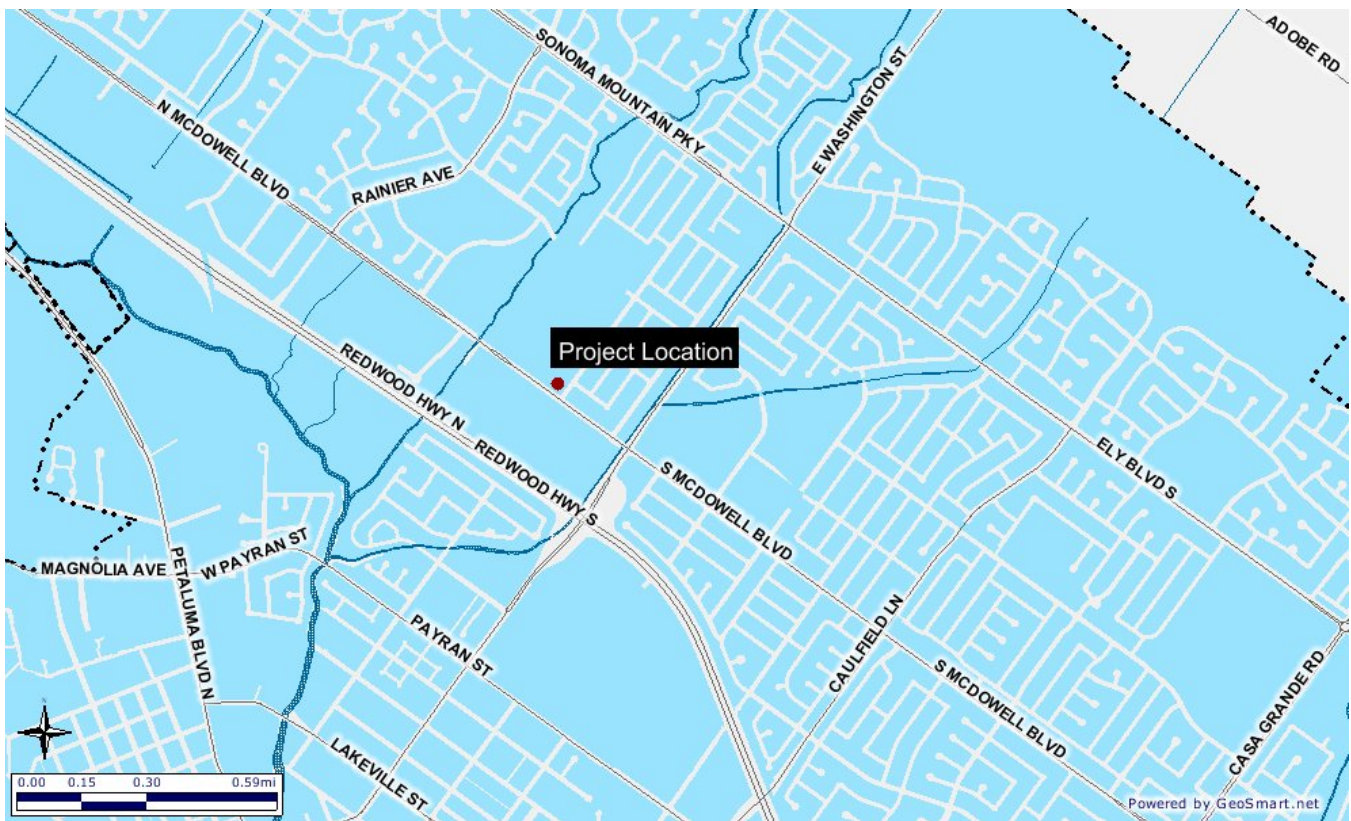
With the improvements to the water system, there will be savings in ongoing maintenance that is now required and a reduction in lost water. Those costs are not quantifiable at this time.

Project Title: Property Site Improvements

Project #: C501200

This project will make improvements to the Operations and Maintenance site for the Department of Water Resources and Conservation located at 202 North McDowell Boulevard. This work is necessary to resolve serious safety issues identified in a report prepared by Doug Farelli Structural Engineering in April 2001, as well as to provide adequate maintenance, repair, storage, and office space for the Department. The yard area is also being expanded to accommodate the additional equipment and personnel resulting from the January 2000 reorganization of the Department and for future growth.

The perimeter sound wall was constructed in Spring 2003. Design and bid documents were completed for the new building in Summer 2003. Construction of the new facility began in February 2004.



Property Site Improvements C501200

USES (dollars in \$000)	Prior	Total Appro.					Est.	
	Years	05-06	thru 05-06	06-07	07-08	08-09	09-10	Total
55011 CIP Intragovernment Overhead	\$220	-	220	-	-	-	-	\$ 220
54153 Administration	-	-	-	-	-	-	-	\$ -
54150 Planning and Environmental Services	\$100	-	100	-	-	-	-	\$ 100
54110 Design Services	\$204	100	304	-	-	-	-	\$ 304
54120 Legal Counsel	-	-	-	-	-	-	-	\$ -
62110 Land and Easements	-	-	-	-	-	-	-	\$ -
54152 Construction Management Services	\$360	-	360	-	-	-	-	\$ 360
54151 Construction Contracts	\$3,740	300	4,040	-	-	-	-	\$ 4,040
57310 Contingency	\$245	-	245	-	-	-	-	\$ 245
TOTAL	\$ 4,869	\$ 400	\$ 5,269	\$ -	\$ -	\$ -	\$ -	\$ 5,269

SOURCES (dollars in \$000)	Prior	Total Appro.					Est.	
	Years	05-06	thru 05-06	06-07	07-08	08-09	09-10	Total
Water Operating	\$ 3,497	400	3,897	-	-	-	-	3,897
Waste Water Operating	\$1,372	-	\$1,372	-	-	-	-	1,372
TOTAL	\$ 4,869	\$ 400	\$ 5,269	\$ -	\$ -	\$ -	\$ -	\$ 5,269

FUTURE MAINTENANCE COSTS OF CAPITAL IMPROVEMENT PROJECT

Future resources from the Water Utility fund and the Water Pollution Control fund will provide maintenance of this facility. Both of these resources have the ability to raise rates to provide for ongoing costs.

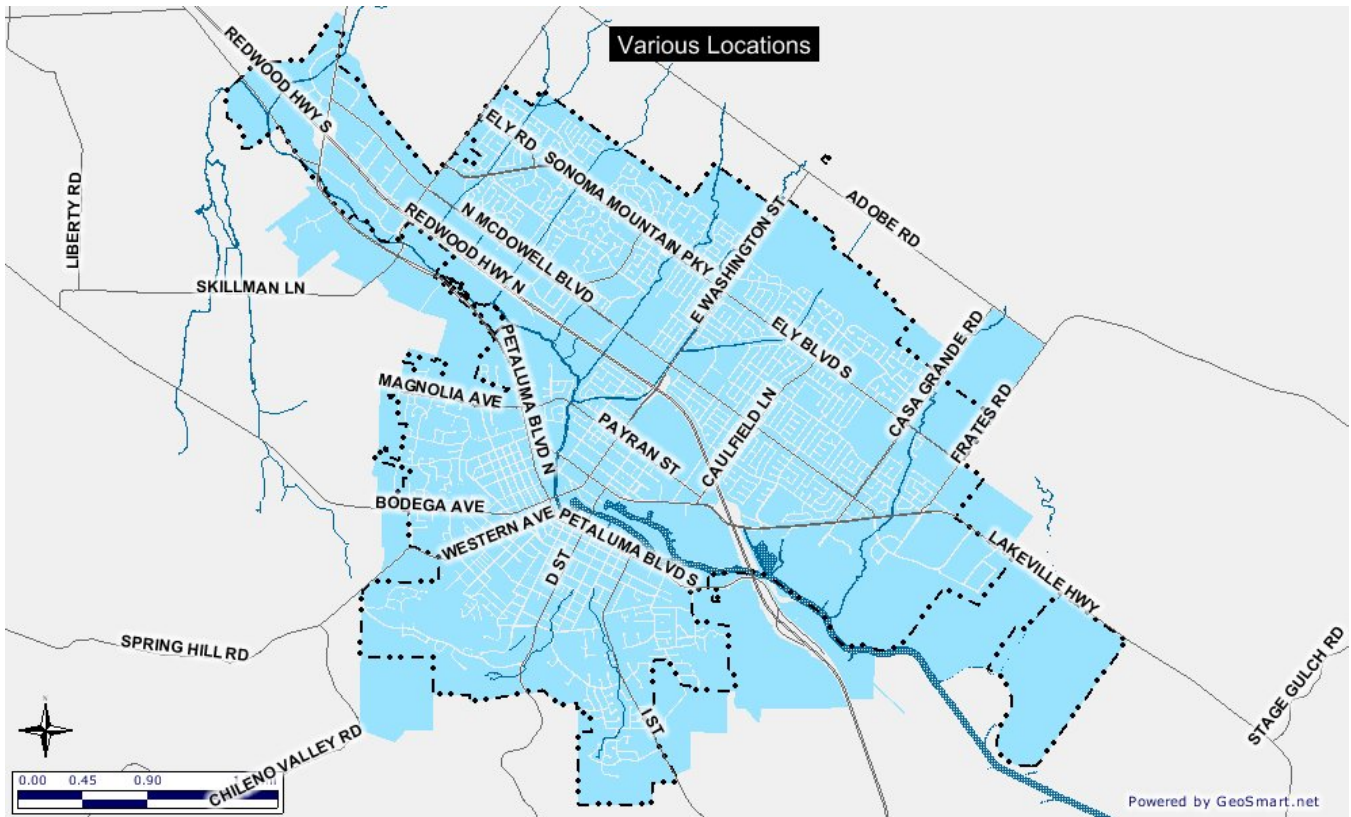
Project Title: Reservoir Seismic Upgrades

Project #: 500105

Preliminary assessment of the City's potable water reservoirs was performed to determine the seismic and security risks of the existing facilities. This preliminary assessment recommended proceeding with a detailed, in-depth evaluation to better identify the seismic and security vulnerabilities of all the City's above-ground steel reservoir sites. This project will determine the site specific improvements required to meet current seismic design criteria. Anticipated improvements to be constructed by this project include flexible joints on pipe connections, anchor bolt modifications, replacement of existing ring foundations, and installation of additional security measures and monitoring equipment.

The reservoir sites included in this project are:

- Washington (old)
- Washington (new)
- Mountain View
- Paula Lane
- La Cresta (old)
- La Cresta (new)
- Manor Lane
- Hardin Lane
- Country Club



Reservoir Seismic Upgrades

C500105

USES (dollars in \$000)	Prior	Total Appro.					Est.	
	Years	05-06	thru 05-06	06-07	07-08	08-09	09-10	Total
55011 CIP Intragovernment Overhead	\$ 4	\$ -	\$ 4	\$ 41	\$ 33	\$ -	\$ -	\$ 78
54153 Administration	-	-	-	-	-	-	-	-
54150 Planning and Environmental Services	-	-	-	-	-	-	-	-
54110 Design Services	75	-	75	150	30	-	-	255
54120 Legal Counsel	-	-	-	-	-	-	-	-
62110 Land and Easements	-	-	-	-	-	-	-	-
54152 Construction Management Services	-	-	-	40	40	-	-	80
54151 Construction Contracts	-	-	-	550	800	-	-	1,350
57310 Contingency	-	-	-	75	75	-	-	150
TOTAL	\$ 79	\$ -	\$ 79	\$ 856	\$ 978	\$ -	\$ -	\$ 1,913

SOURCES (dollars in \$000)	Prior	Total Appro.					Est.	
	Years	05-06	thru 05-06	06-07	07-08	08-09	09-10	Total
Water Operating	\$ 79	\$ -	\$ 79	\$ 731	\$ 978	\$ -	\$ -	\$ 1,788
Grants	-	-	-	125	-	-	-	125
TOTAL	\$ 79	\$ -	\$ 79	\$ 856	\$ 978	\$ -	\$ -	\$ 1,913

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

The Water Utility continues to make improvements to the water storage facilities. Maintenance needs for the reservoirs will continue to be funded from water funds.

CALCULATION OF FUTURE SAVINGS

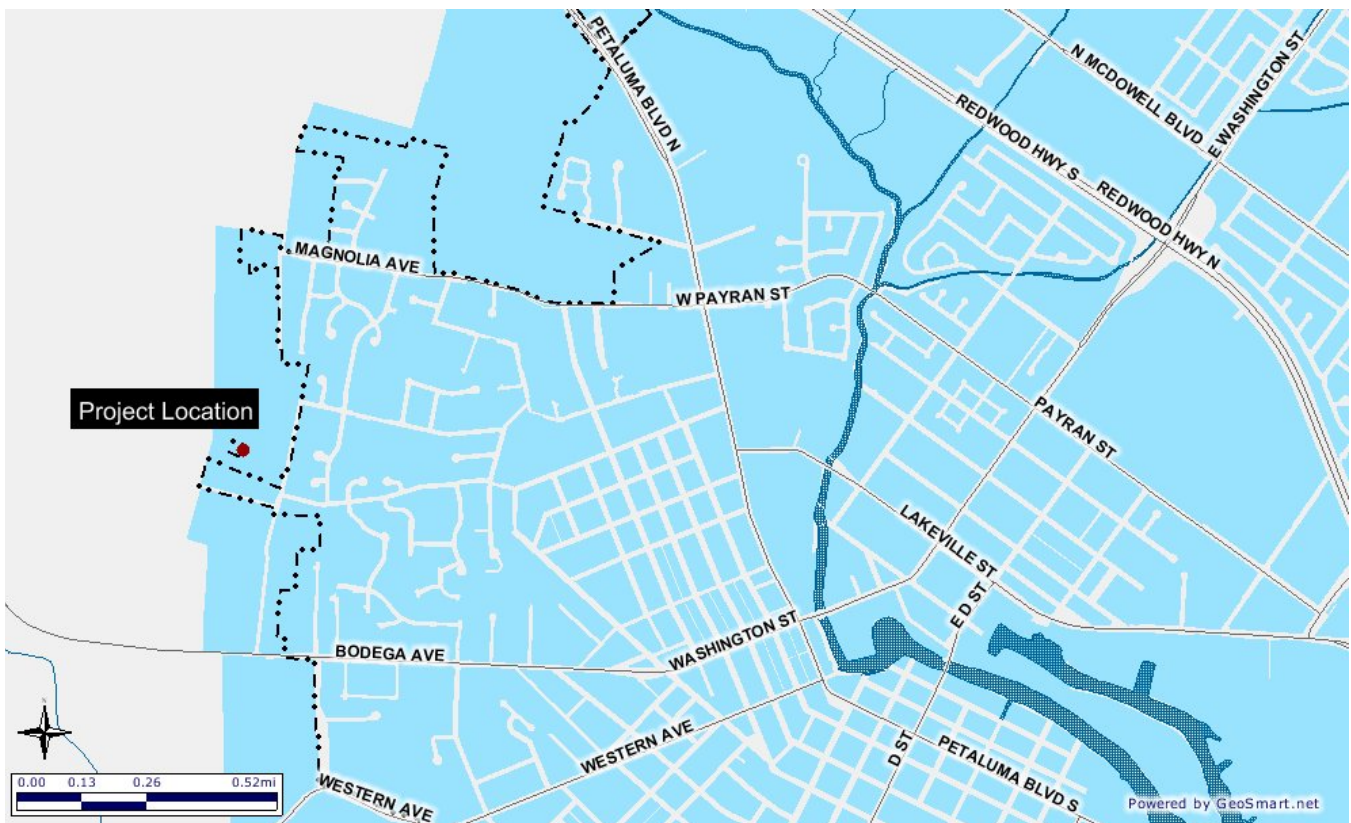
Reservoir seismic upgrades will provide for more reliable service and more efficient operation of the water utility. Cost savings associated with this system upgrade are not quantifiable at this time.

Project Title: Paula Lane Reservoir #2

Project #: C500101

A new reservoir for water storage needs to be built to increase the storage capacity in Zone II. This site was selected due to the availability of land and the small existing storage reservoir located there.

Property acquisition was completed during FY 02-03. Drainage improvements were constructed in FY 03-04. Design of the new reservoir is planned for FY 04-05 and completion of construction in FY 06-07.



Paula Lane Reservoir #2

C500101

USES (dollars in \$000)	Prior	Total Appro.					Est.	
	Years	05-06	thru 05-06	06-07	07-08	08-09	09-10	Total
55011 CIP Intragovernment Overhead	\$ 47	\$ 93	\$ 140	\$ -	\$ -	\$ -	\$ -	\$ 140
54153 Administration	-	-	-	-	-	-	-	-
54150 Planning and Environmental Services	31	-	31	-	-	-	-	31
54110 Design Services	190	25	215	-	-	-	-	215
54120 Legal Counsel	-	-	-	-	-	-	-	-
62110 Land and Easements	430	-	430	-	-	-	-	430
54152 Construction Management Services	-	130	130	-	-	-	-	130
54151 Construction Contracts	120	1,500	1,620	-	-	-	-	1,620
57310 Contingency	10	200	210	-	-	-	-	210
TOTAL	\$ 828	\$ 1,948	\$ 2,776	\$ -	\$ -	\$ -	\$ -	\$ 2,776

SOURCES (dollars in \$000)	Prior	Total Appro.					Est.	
	Years	05-06	thru 05-06	06-07	07-08	08-09	09-10	Total
Water Operating	\$ 414	\$ 974	\$ 1,388	\$ -	\$ -	\$ -	\$ -	\$ 1,388
Water Capital	414	974	1,388	-	-	-	-	1,388
TOTAL	\$ 828	\$ 1,948	\$ 2,776	\$ -	\$ -	\$ -	\$ -	\$ 2,776

FUTURE MAINTENANCE OF CAPITAL IMPROVEMENT PROJECT

The Water Utility continues to make improvements to the water storage facilities. Future maintenance needs for this new reservoir will be funded from water funds.

CALCULATION OF FUTURE SAVINGS

Additional storage volume at this location will allow for improved service and more efficient operation of the water utility. Cost savings associated with this system upgrade are not quantifiable at this time.

