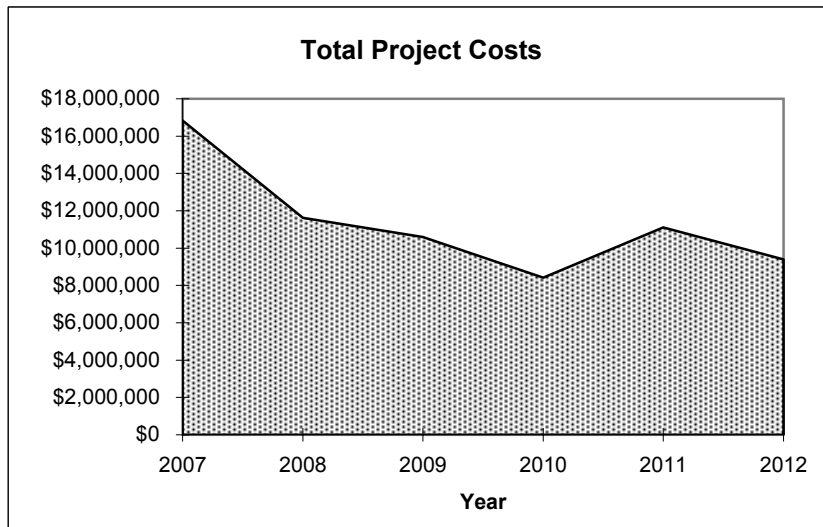


2007 Capital Budget Capital Improvement Program

Agency Name: **Water Utility**

Agency Number: 64

Project Name	Capital Budget	Future Year Estimates				
	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
1 Meter Program	\$ 408,000	\$ 325,000	\$ 332,000	\$ 339,000	\$ 346,000	\$ 353,000
2 Water Mains - New	1,926,000	983,000	1,032,000	1,084,000	1,138,000	1,195,000
3 Water Mains - Replacement	7,535,000	4,028,000	4,979,000	5,190,000	5,450,000	5,723,000
4 Land Acquisition	150,000	150,000	150,000	150,000	150,000	150,000
5 Construct Unit Well	1,306,100	152,000	2,746,625	164,000	2,970,000	178,000
6 Booster Station/Elevated Storage	112,500	1,192,500	0	0	0	0
7 Drill New Wells	56,000	578,000	60,000	625,000	63,000	676,000
8 Misc Capital Projects	597,000	675,800	762,600	864,900	985,480	1,127,796
9 Upgrade SCADA System	970,000	0	0	0	0	0
10 Operations Center Renovation	400,000	2,500,000	0	0	0	0
11 Unit Well #29 Remediation	2,354,000	0	0	0	0	0
12 Lead Service Replacements	1,020,000	1,040,000	530,000	0	0	0
Total	\$ 16,834,600	\$ 11,624,300	\$ 10,592,225	\$ 8,416,900	\$ 11,102,480	\$ 9,402,796



Capital Budget

Water Utility

Meter Program

Project No. 1 Acct. No. 810454

GO \$ 0 Purchase and set new meters for new residential and commercial customers. Explore
Other 408,000 reading and metering technologies that will best serve the customers at the most
\$ 408,000 advantageous cost. Periodic replacement and testing of water meters ranging in size from
5/8" to 10" in accordance with Wisconsin Public Service Commission rules.

Water Mains - New

Project No. 2 Acct. No. 810455

GO \$ 0 Install new water mains to help serve the growing Madison area. In 2007 a new water main
Other 1,926,000 will be constructed from the Felland Road Reservoir to hook into the existing distribution
\$ 1,926,000 system at an estimated cost of \$990,000. The balance of funding in 2007 and future years is
not earmarked for specific projects, but will be used as needed to extend water service to
new areas of the city.

Water Mains - Replacement

Project No. 3 Acct. No. 810455

GO \$ 0 Install replacement water mains. The Utility attempts to replace water mains in conjunction
Other 7,535,000 with street reconstruction. In 2007 the Utility is including 2,893 feet of water-only
\$ 7,535,000 replacements and 24,846 feet of main replacements due to street reconstruction or sanitary
replacement with resurfacing. The Utility completed an Infrastructure Management Plan in
November 2005, and the increased funding in 2007 reflects the need for additional
replacements as outlined in the Infrastructure Management Plan.

Land Acquisition

Project No. 4 Acct. No. 810457

GO \$ 0 Purchase sites for reservoirs and wells as needed. Site is needed for a unit well at West Side
Other 150,000 Public Works. Site is needed in the Raymond Road area for an elevated tank reservoir.
\$ 150,000

Construct Unit Well

Project No. 5 Acct. No. 810459

GO \$ 0 Construct pumphouses and reservoirs per the Master Plan. Locations are as follows:
Other 1,306,100 2007 - Unit Well #31 pumphouse only in Reservoir Park pending the outcome of test
\$ 1,306,100 pumping; a reservoir already exists at this site.
2009 - Unit Well #32 Westside Public Works pumphouse and 400,000 gallon ground
reservoir.
2010/11 - Unit Well #33 Femrite Drive pumphouse and 400,000 gallon ground reservoir.

Booster Station/Elevated Storage

Project No. 6 Acct. No. 810516

GO \$ 0 Design in 2007 and construct in 2008 a 1,000,000 gallon elevated tank reservoir in the
Other 112,500 Raymond Road area.
\$ 112,500

Drill New WellsProject No. **7** Acct. No. 810517

GO \$ 0 2007 - Drill test well for Westside Public Works.
 Other 56,000 2008 - Drill production well for Westside Public Works.
\$ 56,000 2009 - Drill test well for Femrite Drive.
 2010 - Drill production well for Femrite Drive.
 2011 - Drill test well for Whitney Way.
 2012 - Drill production well for Whitney Way.

Misc Capital ProjectsProject No. **8** Acct. No. 810458

GO \$ 0 Many smaller projects are capitalized under Public Service Commission of Wisconsin
 Other 597,000 guidelines. These include additions, modifications, and repairs to unit wells, telemetry
\$ 597,000 systems, safety equipment, the operations center and main office.

Upgrade SCADA SystemProject No. **9** Acct. No. 810458

GO \$ 0 Upgrade SCADA (Supervisory Control and Data Acquisition) system by replacing remote
 Other 970,000 facility rtu's (remote terminal units) with current technology PLC's (programmable logic
\$ 970,000 controllers) and upgrading the master computer.

Operations Center RenovationProject No. **10** Acct. No. 810563

GO \$ 0 Major renovation of the Water Utility field operations center at 110 S. Paterson St., including
 Other 400,000 the demolition and rebuilding of the vehicle maintenance facility. Construction of a metal
\$ 400,000 building for dry storage of clean fill and paving of the lot adjacent to the vehicle storage
 building located at 115 S. Paterson St.

Unit Well #29 RemediationProject No. **11** Acct. No. 810564

GO \$ 0 Construction of an accessory well or installation of a filter for removal of manganese and iron
 Other 2,354,000 at Unit Well #29 on Mesta Road. The decision on whether to proceed with construction of an
\$ 2,354,000 accessory well or to install a filter will be made on the basis of the outcome of hydrologic
 studies and filter pilot testing to be completed by Spring 2007. The Water Utility will report the
 results of these studies to the Board of Water Commissioners and the Common Council prior
 to proceeding with this project.

Lead Service ReplacementsProject No. **12** Acct. No. 810456

GO \$ 0 Replace lead water laterals as required to meet federally mandated goals.
 Other 1,020,000
\$ 1,020,000

All funding is from Water Utility resources.

**2007
Capital Budget
Summary**

Agency Name: Water Utility

Agency Number: 64

Project Name	Agency Request	CIRC	Executive	Adopted		
				G.O. Debt	Other Funding	Total
1 Meter Program	\$ 408,000	\$ 408,000	\$ 408,000	\$ 0	\$ 408,000	\$ 408,000
2 Water Mains - New	1,926,000	1,926,000	1,926,000	0	1,926,000	1,926,000
3 Water Mains - Replacement	6,237,000	7,535,000	7,535,000	0	7,535,000	7,535,000
4 Land Acquisition	150,000	150,000	150,000	0	150,000	150,000
5 Construct Unit Well	1,306,100	1,306,100	1,306,100	0	1,306,100	1,306,100
6 Booster Station/Elevated Storage	112,500	112,500	112,500	0	112,500	112,500
7 Drill New Wells	56,000	56,000	56,000	0	56,000	56,000
8 Misc Capital Projects	597,000	597,000	597,000	0	597,000	597,000
9 Upgrade SCADA System	970,000	970,000	970,000	0	970,000	970,000
10 Operations Center Renovation	2,350,000	400,000	400,000	0	400,000	400,000
11 Unit Well #29 Remediation	2,354,000	2,354,000	2,354,000	0	2,354,000	2,354,000
12 Lead Service Replacements	1,020,000	1,020,000	1,020,000	0	1,020,000	1,020,000
Total	\$ 17,486,600	\$ 16,834,600	\$ 16,834,600	\$ 0	\$ 16,834,600	\$ 16,834,600