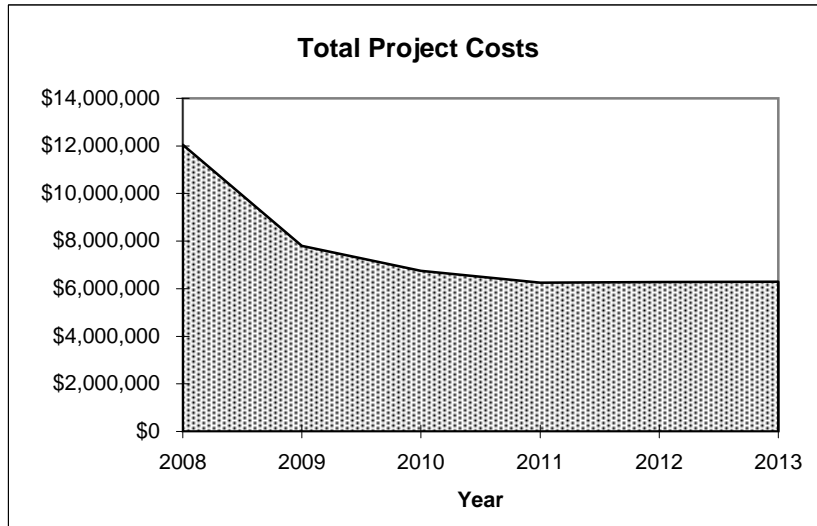


## 2008 Capital Budget Capital Improvement Program

Agency Name: **Sewer Utility**

Agency Number: 54

Project Name	Capital Budget	Future Year Estimates				
	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>
1 State Street - Phase 3	\$ 730,000	\$ 600,000	\$ 0	\$ 0	\$ 0	\$ 0
2 In-Place Sewer Rehabilitations	300,000	300,000	300,000	300,000	300,000	300,000
3 Additions To Collection System	1,500,000	250,000	250,000	250,000	250,000	250,000
4 Lift Station Rehabilitations	350,000	100,000	100,000	100,000	100,000	100,000
5 Improvements In Sewer Study Areas	200,000	200,000	100,000	0	0	0
6 Sewer with Reconstructed Streets	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
7 Lead Service Replacements	0	0	0	0	0	0
8 Hoard Area Sewer Replacements	0	325,000	325,000	0	0	0
9 East Washington Replacements	25,000	500,000	100,000	0	0	0
10 Felland Extension to Nelson	475,000	0	0	0	0	0
11 Lower Badger Mill Creek District	2,975,000	0	0	0	0	0
12 Replacement Vehicles & Equipment	500,000	525,000	575,000	600,000	625,000	650,000
13 Work Order/Asset Software	0	0	0	0	0	0
<b>Total</b>	<b>\$ 12,055,000</b>	<b>\$ 7,800,000</b>	<b>\$ 6,750,000</b>	<b>\$ 6,250,000</b>	<b>\$ 6,275,000</b>	<b>\$ 6,300,000</b>





## Capital Budget

### Sewer Utility

#### State Street - Phase 3

Project No. 1 Acct. No. 810284

GO \$ 0 This project is for the replacement of the existing sewer mains in the 500 and 600 Blocks of  
Other 730,000 State Street. The project began in 2004 and is anticipated to be concluded in 2008 with the  
\$ 730,000 reconstruction of the 500 and 600 Blocks of State Street and adjacent streets. This project  
was originally scheduled and budgeted for in 2007, but was delayed one year

#### In-Place Sewer Rehabilitations

Project No. 2 Acct. No. 810503

GO \$ 0 This project will rehabilitate failing sewers that meet certain criteria that does not necessitate  
Other 300,000 the need for a complete replacement by means of open cutting. New technology allows the  
\$ 300,000 lining of existing sewer mains using cameras and remote controlled tools. Some are also  
rehabilitated (or lined) to address inflow and infiltration problems, where clear water flow  
enters the sewer system reducing pipe capacity and increasing treatment costs. The main  
line item will repair approximately 1.5 miles of sewer main at a number of locations,  
strategically selected based on need city wide.

#### Additions To Collection System

Project No. 3 Acct. No. 810335

GO \$ 0 This project is for construction of assessable sewer facilities for new development, including  
Other 1,500,000 easement acquisition where applicable. Projects for 2008 include: future phases of the  
\$ 1,500,000 Center for Industry and Commerce Plat and / or Interstate Commerce Park (\$100,000);  
Elderberry Neighborhood Extension (\$375,000); the Pumpkin Hollow Sewer Interceptor  
Extension (\$375,000); the Northeast (Sprecher) Neighborhood Extension (\$450,000); and,  
the I94/Gaston Road Door Creek Interceptor. The award of contracts for work will require  
assurances that private development will occur. The Utility's costs will be recovered by  
impact fees and / or special assessments.

#### Lift Station Rehabilitations

Project No. 4 Acct. No. 810334

GO \$ 0 This project is for capitalized repair and rehabilitation of the Utility's 30 wastewater lift stations  
Other 350,000 (LS). Repair and rehabilitation planned for 2008 includes a major electrical and mechanical  
\$ 350,000 upgrade at the Gettle Ave LS (\$300,000). Other projects for 2008 include the de-  
commissioning of the Nelson Road and Hawks Woods Lift Stations (\$25,000 each); the  
installation of telemetry equipment at the Lois Lowry LS and the Debs Road LS; and a fan  
replacement at Fremont LS. This item also covers any unanticipated major repairs and  
equipment replacement.

#### Improvements In Sewer Study Areas

Project No. 5 Acct. No. 810333

GO \$ 0 This project is for the continuing work on Inflow and Infiltration problems in specific areas.  
Other 200,000 Proposed projects for 2008 include finding I & I sources to the Wright Street Pumping Station  
\$ 200,000 (\$35,000) and rehabilitation of sewer structures in the Truax Area (\$165,000). This budget  
item anticipates continuing work in future years as more of the problems are better defined.

**Sewer with Reconstructed Streets** Project No. **6** Acct. No. 810332

GO \$ 0 This project involves replacement of older, problematic sanitary sewers in conjunction with street reconstruction projects and street resurfacing. The work provides for the replacement of 6 inch diameter clay sewers, which are difficult to maintain, and sewers nearing the end of their service life or determined to have a significant repair cost. Since 1997, the Utility has encouraged residents to replace the portion of their sewer lateral that lies within the public right-of-way by offering to pay for 75% of the cost. All 6 inch mains under 'reconstruction' streets will be replaced. Sewers beneath resurfaced streets are evaluated for replacement on a case-by-case basis. This work is coordinated with the Street Reconstruction and water main replacement priorities.

Other 5,000,000  
\$ 5,000,000

**Lead Service Replacements** Project No. **7** Acct. No. 810331

GO \$ 0 The City has embarked upon a program to replace existing water services that were installed using lead pipe. The goal of the program and a requirement of the stipulation executed by the City with the Wisconsin Department of Resources is to replace all lead services within 10 years commencing in 2001. This requires the replacement of approximately 650 - 660 services per year at an estimated average cost to the property owner of \$1,400 per service of which one-half the cost (up to \$1,000) is rebated by the City. The benefit of this program to the Utility is the avoidance of placing phosphates in the drinking water supply which would then have to be removed during wastewater treatment. The total program costs are also offset by revenue from rental of space on the water towers. It is now estimated that Tower Revenue will complete the project with no further funding from the Sewer Utility.

Other 0  
\$ 0

**Hoard Area Sewer Replacements** Project No. **8** Acct. No. 810329

GO \$ 0 In 1993 and again in 1996, residents residing in several blocks centering around Hoard and Kedzie Streets, suffered sanitary sewerage flooding into their basements. The City performed a detailed study to seek solutions to lessen the chance of future flooding. Implementation of the corrective action began with the replacement of the sewer interceptor on Johnson Street in 1997. This is for Phase 4, the final phase. Included streets will be Oak from East Johnson to Commercial, and Hoard from Oak to Street End. The budget for this item is only for sanitary sewer related costs. Street and Storm Sewer costs are budgeted separately. This budget provides for funding for further replacement, tentatively set for 2009 and 2010.

Other 0  
\$ 0

**East Washington Replacements** Project No. **9** Acct. No. 810330

GO \$ 0 This project is the replacement of existing, aged sanitary sewer facilities in the East Washington Avenue street right-of-way and some adjoining side streets, in conjunction with a major street reconstruction project, over several years. It is anticipated that the project shall consist of a few sewer main abandonments and many main replacements. Design work shall be completed in 2008 for the Final Phase (Segment 4), with construction to start in 2009. Cost estimates shall be refined for 2009 if needed and as engineering work progresses.

Other 25,000  
\$ 25,000

**Felland Extension to Nelson**Project No. **10** Acct. No. 810548

GO \$ 0  
 Other 475,000  
\$ 475,000

This project shall acquire necessary easements and extend sanitary sewer service to the North of the Felland Neighborhood, and to Nelson Road. This shall provide service to this developing area North of Burke Road and both East and West of Felland. This will also relieve the Nelson Road Lift Station, which is nearing capacity and precluding further development. It is anticipated that an Impact Fee District shall be established to recover the costs of this project. The cost recovery shall occur over time as development occurs with pro rata payments indexed to the Construction Cost Index. The land acquisitions and construction may be linked with extension of an interim drainage system to also serve the area (budgeted separately). Design and the acquisition process began in 2007. Construction is budgeted with this item for 2008.

**Lower Badger Mill Creek District**Project No. **11** Acct. No. 810550

GO \$ 0  
 Other 2,975,000  
\$ 2,975,000

This project shall extend sanitary sewer service to the Lower Badger Mill Creek Watershed, from a proposed lift station at Mid Town Road to just North of Mineral Point Road. Final plans were completed in 2007, and property acquisitions were begun. Lift station design was also completed in 2007. Construction of the interceptor is dependent on the property owner support and documentation of the development investments. It is tentatively scheduled for 2008.

**Replacement Vehicles & Equipment**Project No. **12** Acct. No. 810323

GO \$ 0  
 Other 500,000  
\$ 500,000

This project is for the replacement of existing vehicles and equipment which have exceeded their useful life. Vehicles proposed for replacement include #3310 - 2000 Ford F450H 4x4 Sewer Rodder; #8416 - 6" CH&E Ford Pump; #1349 - Trench Shield; #3915 - 2000 International Tandem; #3117 - 2002 Vactor w/FL Chassis. Life cycle cost analysis and fuel efficiency are important considerations in the specification of replacement vehicles. Cost represents Sewer Utility portion only.

**Work Order/Asset Software**Project No. **13** Acct. No. 0

GO \$ 0  
 Other 0  
\$ 0

Sewer Utility's portion of licensing and implementation of a city-wide asset management system that will track and manage assets and resources, and provide automated solutions for costing, inventory, maintenance, investigations, and inspections. The project will automate all the activities associated with tracking and managing sewer utility assets and resources and improve efficiency, reduce costs, and ensure highest quality services are provided to citizens. The system will integrate with existing GIS and SCADA systems to analyze data on assets and provide necessary information to evaluate the condition of an asset.

Other funding may be derived from Sewer Utility reserves, revenue bonds, or special assessments.

**2008  
Capital Budget  
Summary**

**Agency Name: Sewer Utility**

**Agency Number: 54**

Project Name	Agency Request	CIRC	Executive	Adopted		
				G.O. Debt	Other Funding	Total
1 State Street - Phase 3	\$ 730,000	\$ 730,000	\$ 730,000	\$ 0	\$ 730,000	\$ 730,000
2 In-Place Sewer Rehabilitations	300,000	300,000	300,000	0	300,000	300,000
3 Additions To Collection System	1,500,000	1,500,000	1,500,000	0	1,500,000	1,500,000
4 Lift Station Rehabilitations	350,000	350,000	350,000	0	350,000	350,000
5 Improvements In Sewer Study Areas	200,000	200,000	200,000	0	200,000	200,000
6 Sewer with Reconstructed Streets	5,000,000	5,000,000	5,000,000	0	5,000,000	5,000,000
7 Lead Service Replacements	0	0	0	0	0	0
8 Hoard Area Sewer Replacements	0	0	0	0	0	0
9 East Washington Replacements	25,000	25,000	25,000	0	25,000	25,000
10 Felland Extension to Nelson	475,000	475,000	475,000	0	475,000	475,000
11 Lower Badger Mill Creek District	2,975,000	2,975,000	2,975,000	0	2,975,000	2,975,000
12 Replacement Vehicles & Equipment	500,000	500,000	500,000	0	500,000	500,000
13 Work Order/Asset Software	50,000	0	0	0	0	0
<b>Total</b>	<b>\$ 12,105,000</b>	<b>\$ 12,055,000</b>	<b>\$ 12,055,000</b>	<b>\$ 0</b>	<b>\$ 12,055,000</b>	<b>\$ 12,055,000</b>