

Sewer Utility

Agency Overview

Agency Mission

The mission of the Sewer Utility is to provide waste water collection for the City of Madison.

Agency Overview

The Agency oversees the collection, conveyance, and treatment of City wastewater. The Sewer Utility transfers the wastewater via design, construction, and maintenance of the sewer and lift station system throughout the City.

2023 Budget Highlights

Agency-Wide Changes

- Includes an anticipated 5% rate increase based on increased debt service and anticipated increases in treatment charges from the Madison Metropolitan Sewerage District. The projected rate increase translates to approximately \$1.70 more per month for the average residential customer. In 2022, the Sewer Utility rate was increased by 5%.
- Includes a package of Engineering position changes, including new positions and reclassifications of existing positions, that are cost-neutral to the general fund. The position changes that are funded in part by Sewer are listed below, by service.

Service: Sewer Engineering and Administration

- Reduces hourly wages by \$24,351 and reallocates funding to a new permanent GIS specialist position (1.0 FTE)
- Recreates an Operations Clerk to an Account Technician or Accountant Trainee

Service: Sewer Operations

- Funds a portion of the following new positions: 2.0 FTE Leadworker 1 and 1.0 FTE Operator 2. For 6 months of the year these positions work with **mi-te** (Madison Infrastructure Training – Engineering) Program trainees performing concrete flat work and sanitary and storm sewer structure repairs. The remainder of the year they will supplement existing crews. The Sewer Utility will fund sewer related work performed by these positions.
- Provides funding for the following changes to existing positions:
 - Reclassifies the Engineering Financial Manager
 - Recreates a Program Assistant 1 as a HR Analyst Trainee
 - Recreates 3.0 Engineer 3s as Engineer 4s
 - Recreates an IT Specialist 3 as a GIS Coordinator
 - Recreates a 1.0 Maintenance Mechanic 1 as a Maintenance Mechanic 2

SewerFunction: **Public Works***Budget Overview*

Agency Budget by Fund

Fund	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Sewer Utility	49,108,042	49,553,720	51,061,850	54,131,240	54,390,759
Total	\$ 49,108,042	\$ 49,553,720	\$ 51,061,850	\$ 54,131,240	\$ 54,390,759

Agency Budget by Service

Service	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Sewer Engineering And Admin	10,411,172	14,996,792	15,017,298	17,353,841	17,550,781
Sewer Operations	38,696,869	34,556,928	36,044,552	36,777,399	36,839,977
Total	\$ 49,108,042	\$ 49,553,720	\$ 51,061,850	\$ 54,131,240	\$ 54,390,759

Agency Budget by Major-Revenue

Major Revenue	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Charges For Services	(47,486,718)	(48,274,080)	(50,540,235)	(52,692,000)	(52,692,000)
Licenses And Permits	(12,342)	(51,600)	(10,559)	(15,200)	(15,200)
Fine Forfeiture Asmt	(1,086,362)	(920,000)	(104,970)	(920,000)	(920,000)
Invest Other Contrib	(193,587)	(170,000)	(5,006)	(188,800)	(188,800)
Misc Revenue	(1,001)	(1,390)	(1,632)	-	-
Other Finance Source	(317,147)	(136,650)	(399,448)	(315,240)	(574,759)
Transfer In	(10,885)	-	-	-	-
Total	\$ (49,108,042)	\$ (49,553,720)	\$ (51,061,850)	\$ (54,131,240)	\$ (54,390,759)

Agency Budget by Major-Expense

Major Expense	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Salaries	2,954,214	3,264,772	3,060,999	3,211,954	3,458,786
Benefits	853,459	1,526,901	1,431,823	1,643,657	1,583,088
Supplies	274,253	506,450	390,511	512,690	512,690
Purchased Services	33,345,815	30,999,974	32,438,202	33,537,439	33,537,439
Debt Othr Financing	8,921,840	8,978,112	9,371,184	11,367,121	11,367,121
Inter Depart Charges	3,052,504	3,246,511	3,338,131	3,248,379	3,321,635
Inter Depart Billing	(483,808)	(495,000)	(495,000)	(495,000)	(495,000)
Transfer Out	189,765	1,526,000	1,526,000	1,105,000	1,105,000
Total	\$ 49,108,042	\$ 49,553,720	\$ 51,061,850	\$ 54,131,240	\$ 54,390,759

Sewer**Function:****Public Works***Service Overview***Service:** Sewer Engineering And Admin*Service Description*

This service is responsible for the inspection, planning, design, evaluation, and construction of the City's sanitary sewer collection system. The sanitary sewer collection system includes 800 miles of sewer main, 30 lift stations, and 20,000+ sanitary sewer access structures. The Sanitary Sewer Utility reviews and inspects permits related to sanitary sewer system excavation and plugging. The Sanitary Sewer Utility also collects sewer area connection fees as well as impact fees related to municipal sewer improvements. The Sanitary Sewer Utility consistently implements measures to reduce inflow and infiltration (I&I); one of these measures is lining of approximately 9 miles of sanitary sewer per year. The Sanitary Sewer Utility also completes all regulatory reporting requirements with City's CMOM (Capacity, Management, Operation and Maintenance) for the WDNR (Wisconsin Department of Natural Resources).

Activities Performed by this Service

- Construction Inspection: Ensure sanitary sewer construction complies with plans and specifications.
- Utility Management & Administration: Plan, direct, and implement sanitary sewer infrastructure design, construction, operations, and maintenance. Oversee Utility administrative and technical activities.
- Sewer Design: Planning, design, and project management for new and replacement or rehabilitation of aging sanitary sewer infrastructure.
- GIS: Create and maintain sanitary sewer infrastructure assets in GIS for asset and work order management.

Service Budget by Fund

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
General	-	-	-	-	-
Other-Expenditures	10,411,172	14,996,792	15,017,298	17,353,841	17,550,781
Total	\$ 10,411,172	\$ 14,996,792	\$ 15,017,298	\$ 17,353,841	\$ 17,550,781

Service Budget by Account Type

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Revenue	(15,698,922)	(15,264,228)	(15,097,842)	(17,353,841)	(17,613,360)
Personnel	1,029,514	1,914,138	1,572,530	1,859,614	1,983,298
Non-Personnel	7,144,947	10,939,330	11,214,960	13,096,158	13,096,158
Agency Charges	2,236,711	2,143,324	2,229,808	2,398,069	2,471,325
Total	\$ (5,287,750)	\$ (267,436)	\$ (80,545)	\$ 0	\$ (62,578)

Sewer**Function:****Public Works***Service Overview***Service:** Sewer Operations*Service Description*

This service is responsible for the operation and maintenance of the City's sanitary sewer system, which consists of 800 miles of sewer main and 20,000+ sanitary sewer access structures. This system is supported by 30 lift stations and transports 262.4 million gallons of raw sewage per day from Madison homes and businesses to the Nine Springs Wastewater Treatment Plant (WWTP).

Activities Performed by this Service

- Preventative Maintenance: Scheduled sewer main cleaning to maintain existing system functionality and eliminate preventable sewer main backups.
- Repair: Pipe and structure repairs to maintain existing system functionality, reduce inflow and infiltration, and extend useful life.
- Inspection & Condition Assessment: Internal pipeline and structure inspection to assess condition and develop asset condition rating score. Provide onsite inspection of trenchless rehab projects. Perform testing and sampling to support capacity and determine billing rates.
- Utility Locating and Marking: Respond to Diggers Hotline requests to locate and mark underground sanitary sewer utilities to prevent damage during excavation.
- Contracted Services: Provide sewer cleaning and inspection services for other City agencies and external customers.
- Emergency Response: Respond to reports of sewer backups, sanitary sewer overflows, sewer gas odors, missing covers, etc.
- Public Response and Oversight: Respond to calls from residents reporting dead animals on roadsides or sinkholes, and inspect and oversee maintenance of public waste oil site.

Service Budget by Fund

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
General	-	-	-	-	-
Other-Expenditures	38,696,869	34,556,928	36,044,552	36,777,399	36,839,977
Total	\$ 38,696,869	\$ 34,556,928	\$ 36,044,552	\$ 36,777,399	\$ 36,839,977

Service Budget by Account Type

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Revenue	(33,409,119)	(34,289,492)	(35,964,007)	(36,777,399)	(36,777,399)
Personnel	2,778,158	2,877,535	2,920,292	2,995,997	3,058,575
Non-Personnel	35,586,726	31,071,206	32,510,937	33,426,092	33,426,092
Agency Charges	331,985	608,187	613,323	355,310	355,310
Total	\$ 5,287,750	\$ 267,436	\$ 80,545	\$ -	\$ 62,578

Sewer

Function:

Public Works

Line Item Detail

Agency Primary Fund: Sewer Utility

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Charges For Services					
Miscellaneous Chrgs For Servic	(139,600)	(150,000)	(137,209)	(150,000)	(150,000)
Engineering Services	(111,185)	(66,500)	(30,976)	(63,100)	(63,100)
Sale Of Recyclables	(6,401)	(5,000)	(3,518)	(5,000)	(5,000)
Reimbursement Of Expense	(390,102)	(350,000)	(162,279)	(350,000)	(350,000)
Utility Fee	(9,818,742)	(9,878,940)	(10,508,795)	(10,794,600)	(10,794,600)
Residential	(21,671,635)	(22,954,850)	(22,760,496)	(25,082,400)	(25,082,400)
Commercial	(8,406,992)	(8,185,350)	(9,125,467)	(8,944,000)	(8,944,000)
Industrial	(1,729,275)	(1,555,280)	(2,013,297)	(1,699,400)	(1,699,400)
Public Authorities	(5,212,785)	(5,128,160)	(5,798,198)	(5,603,500)	(5,603,500)
Charges For Services Total	\$ (47,486,718)	\$ (48,274,080)	\$ (50,540,235)	\$ (52,692,000)	\$ (52,692,000)
Licenses And Permits					
Building Permits	(2,205)	(2,600)	(1,482)	(2,200)	(2,200)
Street Opening Permits	(2,500)	(4,000)	(1,440)	(3,000)	(3,000)
Other Permits	(7,637)	(45,000)	(7,637)	(10,000)	(10,000)
Licenses And Permits Total	\$ (12,342)	\$ (51,600)	\$ (10,559)	\$ (15,200)	\$ (15,200)
Fine Forfeiture Asmt					
Spec Assessments Capital	(959,293)	(800,000)	-	(800,000)	(800,000)
Late Fees	(127,069)	(120,000)	(104,970)	(120,000)	(120,000)
Fine Forfeiture Asmt Total	\$ (1,086,362)	\$ (920,000)	\$ (104,970)	\$ (920,000)	\$ (920,000)
Invest Other Contrib					
Interest	(193,587)	(170,000)	(5,006)	(188,800)	(188,800)
Invest Other Contrib Total	\$ (193,587)	\$ (170,000)	\$ (5,006)	\$ (188,800)	\$ (188,800)
Misc Revenue					
Miscellaneous Revenue	(1,001)	(1,390)	(1,632)	-	-
Misc Revenue Total	\$ (1,001)	\$ (1,390)	\$ (1,632)	\$ -	\$ -
Other Finance Source					
Sale Of Assets	(225,585)	(25,000)	(19,326)	(200,000)	(200,000)
Trade In Allowance	(110,500)	(111,650)	-	(115,240)	(115,240)
(Gain) Loss On Sale Of Asset	333,319	-	-	-	-
Capital Contributions	(314,382)	-	-	-	-
Fund Balance Applied	-	-	(380,122)	-	(259,519)
Other Finance Source Total	\$ (317,147)	\$ (136,650)	\$ (399,448)	\$ (315,240)	\$ (574,759)
Transfer In					
Transfer In From Impact Fees	(10,885)	-	-	-	-
Transfer In Total	\$ (10,885)	\$ -	\$ -	\$ -	\$ -

Sewer

Function: **Public Works**

Line Item Detail

Agency Primary Fund: Sewer Utility

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Salaries					
Permanent Wages	2,703,543	2,912,032	2,811,593	3,232,039	2,937,945
Salary Savings	-	(51,180)	-	(55,868)	(55,868)
Salary Reimbursed	-	-	-	(438,619)	-
Pending Personnel	-	-	-	91,740	194,047
Furlough Savings	(8)	-	-	-	-
Premium Pay	14,059	12,320	8,947	14,060	14,060
Workers Compensation Wages	18,592	-	16,220	-	-
Compensated Absence	3,798	84,000	35,281	84,000	84,000
Hourly Wages	40,761	47,550	15,489	24,552	24,552
Overtime Wages Permanent	173,260	258,460	173,260	258,460	258,460
Overtime Wages Hourly	210	1,590	210	1,590	1,590
Salaries Total	\$ 2,954,214	\$ 3,264,772	\$ 3,060,999	\$ 3,211,954	\$ 3,458,786
Benefits					
Comp Absence Escrow	39,484	100,000	-	100,000	100,000
Health Insurance Benefit	542,011	549,223	570,655	600,353	574,240
Wage Insurance Benefit	9,571	9,271	9,185	9,422	8,490
WRS	200,171	206,842	189,032	228,478	218,176
FICA Medicare Benefits	219,706	237,611	220,267	262,319	239,097
Licenses & Certifications	50	100	261	100	100
Post Employment Health Plans	37,990	18,854	37,423	37,985	37,985
Other Post Emplmnt Benefit	75,561	155,000	155,000	155,000	155,000
Pension Expense	(271,085)	250,000	250,000	250,000	250,000
Benefits Total	\$ 853,459	\$ 1,526,901	\$ 1,431,823	\$ 1,643,657	\$ 1,583,088
Supplies					
Office Supplies	2,482	6,000	1,929	6,000	6,000
Copy Printing Supplies	2,360	6,000	3,712	6,000	6,000
Furniture	670	2,000	2,000	2,000	2,000
Hardware Supplies	244	10,000	4,912	10,000	10,000
Software Lic & Supplies	-	5,000	1,477	5,000	5,000
Postage	8,304	15,000	12,182	15,000	15,000
Books & Subscriptions	34	500	-	500	500
Work Supplies	178,344	195,000	135,335	195,000	195,000
Safety Supplies	7,836	15,000	8,816	15,000	15,000
Uniform Clothing Supplies	4,138	5,000	3,592	5,000	5,000
Food And Beverage	23	-	121	-	-
Building Supplies	-	9,950	-	9,950	9,950
Landscaping Supplies	711	2,000	95	2,000	2,000
Machinery And Equipment	118,715	135,000	130,190	141,240	141,240
Equipment Supplies	66,891	100,000	86,149	100,000	100,000
Contra Expense	(116,500)	-	-	-	-
Supplies Total	\$ 274,253	\$ 506,450	\$ 390,511	\$ 512,690	\$ 512,690

Sewer

Function:

Public Works

Line Item Detail

Agency Primary Fund: Sewer Utility

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Purchased Services					
Natural Gas	10,051	12,286	15,480	17,610	17,610
Electricity	83,626	98,200	92,000	95,000	95,000
Water	29,057	35,570	33,415	38,840	38,840
Sewer	1,482	1,610	2,626	2,660	2,660
Stormwater	5,949	6,280	5,187	6,160	6,160
Telephone	1,841	1,820	1,052	1,106	1,106
Cellular Telephone	8,793	8,740	8,754	9,392	9,392
Building Improv Repair Maint	1,218	14,950	907	14,950	14,950
Waste Disposal	30,155,326	30,031,500	31,504,372	32,402,500	32,402,500
Custodial Bldg Use Charges	26,992	32,372	32,372	32,372	32,372
Landfill	2,809	3,500	3,000	3,500	3,500
Equipment Mntc	41,681	25,000	20,502	50,000	50,000
System & Software Mntc	64,382	60,185	61,809	108,116	108,116
Vehicle Repair & Mntc	1,123	1,500	205	1,500	1,500
Rental Of Equipment	64	500	3,050	500	500
Street Mntc	143,683	175,000	167,450	175,000	175,000
Plant In Service Mntc	2,663,740	300,000	339,537	300,000	300,000
Recruitment	-	500	66	500	500
Mileage	91	100	77	100	100
Conferences & Training	11,042	10,000	10,000	10,000	10,000
Memberships	1,197	1,191	639	1,833	1,833
Uniform Laundry	3,865	5,000	4,000	5,000	5,000
Medical Services	-	1,800	2,174	1,800	1,800
Audit Services	4,000	4,200	4,100	4,200	4,200
Delivery Freight Charges	378	1,000	614	1,000	1,000
Storage Services	832	720	775	960	960
Consulting Services	182	20,000	23,175	20,000	20,000
Advertising Services	1,348	1,500	1,637	1,500	1,500
Inspection Services	407	5,620	-	410	410
Locating Marking Services	14,438	16,090	16,668	15,030	15,030
Lab Services	7,333	8,500	7,500	8,500	8,500
Parking Towing Services	387	1,500	-	1,500	1,500
Program Services	-	-	-	100,000	100,000
Other Services & Expenses	40,671	50,200	53,522	35,300	35,300
Bad Debt Expense	2,295	45,000	2,500	45,000	45,000
Taxes & Special Assessments	5,075	5,540	5,439	13,100	13,100
Permits & Licenses	10,457	12,500	13,599	12,500	12,500
Purchased Services Total	\$ 33,345,815	\$ 30,999,974	\$ 32,438,202	\$ 33,537,439	\$ 33,537,439
Debt Othr Financing					
Principal	-	4,470,000	4,470,000	5,471,000	5,471,000
Interest	1,676,297	1,540,000	1,520,920	1,640,000	1,640,000
Amortization	(313,012)	(315,000)	(313,100)	(375,400)	(375,400)
Paying Agent Services	3,150	2,350	2,350	2,850	2,850
Depreciation	2,943,355	-	-	-	-
Fund Balance Generated	4,612,050	124,536	65,579	-	-
Contingent Reserve	-	3,156,226	3,625,435	4,628,671	4,628,671
Debt Othr Financing Total	\$ 8,921,840	\$ 8,978,112	\$ 9,371,184	\$ 11,367,121	\$ 11,367,121

Sewer

Function:

Public Works

Line Item Detail

Agency Primary Fund: Sewer Utility

	2021 Actual	2022 Adopted	2022 Projected	2023 Request	2023 Executive
Inter Depart Charges					
ID Charge From GF	28,739	30,655	30,655	38,138	38,138
ID Charge From Attorney	6,088	4,193	4,193	-	-
ID Charge From Civil Rights	13,976	14,381	14,381	4,273	4,273
ID Charge From Finance	148,315	136,686	136,686	116,633	116,633
ID Charge From Human Resour	19,523	26,623	26,623	5,124	5,124
ID Charge From Information Te	18,186	39,156	39,156	28,374	28,374
ID Charge From Mayor	27,080	24,960	24,960	7,718	7,718
ID Charge from EAP	-	3,013	3,013	1,079	1,079
ID Charge From Engineering	87,360	12,335	76,664	76,504	76,504
ID Charge From Fleet Services	281,111	244,478	342,304	323,900	333,420
ID Charge From Landfill	67,576	65,000	65,000	70,000	70,000
ID Charge From Traffic Eng	1,885	4,392	61	4,156	4,156
ID Charge From Insurance	81,292	81,292	81,292	12,123	75,859
ID Charge From Workers Comp	36,347	36,347	36,347	35,357	35,357
ID Charge From Stormwater	278,074	300,000	300,000	300,000	300,000
ID Charge From Water	1,956,951	2,223,000	2,156,796	2,225,000	2,225,000
Inter Depart Charges Total	\$ 3,052,504	\$ 3,246,511	\$ 3,338,131	\$ 3,248,379	\$ 3,321,635
Inter Depart Billing					
ID Billing To Engineering	(99,844)	(100,000)	(100,000)	(100,000)	(100,000)
ID Billing To Landfill	(18,732)	(20,000)	(20,000)	(20,000)	(20,000)
ID Billing To Stormwater	(365,233)	(375,000)	(375,000)	(375,000)	(375,000)
Inter Depart Billing Total	\$ (483,808)	\$ (495,000)	\$ (495,000)	\$ (495,000)	\$ (495,000)
Transfer Out					
Transfer Out To Capital	428	1,526,000	1,526,000	1,105,000	1,105,000
Transfer Out To Water	189,337	-	-	-	-
Transfer Out Total	\$ 189,765	\$ 1,526,000	\$ 1,526,000	\$ 1,105,000	\$ 1,105,000

Sewer Utility

Function: Public Works

Position Summary

Classification	CG	2022 Budget Adopted		2023 Budget			
				Request		Executive	
		FTEs	Amount	FTEs	Amount	FTEs	Amount
ACCT TECH 1	20	-	-	1.00	54,890	1.00	54,890
ENGR OPER CLK-15	15	1.00	52,804	-	-	-	-
PROGRAM ASST 2-20	20	1.00	60,992	1.00	61,297	1.00	61,297
S/D MAINT TECH 2	15	8.00	538,896	8.00	531,047	8.00	531,047
SSMO 1-15	15	6.00	364,176	6.00	358,353	6.00	358,353
SURVEYOR 1-15	15	1.00	82,557	1.00	82,970	1.00	82,970
TOTAL		17.00	1,099,425.00	17.00	1,088,556.79	17.00	1,088,556.79

Salary amounts recorded on this page are for total budgeted salaries; this amount may differ from budgeted permanent wages as presented in the Line Item Detail due to payroll allocations to other funding sources (capital projects, grants, etc.) or inter-agency services are not reflected in this summary page.