# 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.

## 2024 Budget Highlights

## **Agency-Wide Changes**

- o Includes an anticipated 9% rate increase (\$4.7 million) due to increased debt service for capital projects as construction costs continue to increase and increased treatment charges from the Madison Metropolitan Sewerage District (MMSD), which are projected to increase 13% over 2023. The projected rate increase translates to approximately \$3.08 more per month for the average residential customer.
- The Sewer Utility is a partner in the Madison Customer Assistance Program (MadCAP), and the goal of this program
  is to help reduce utility rates for residents with lower incomes. The Sewer Utility will continue to draw awareness
  to this program in 2024 in hopes to reach as many eligible residents as possible.

## Service: Sewer Engineering and Administration

- Decrease in expected revenues from Special Assessments by \$150,000 due to a change in the City's special assessment policy.
- Reflects a \$259,000 increase in debt service due to borrowing for capital projects and a \$283,300 increase in reserves generated to reduce borrowing for capital projects.
- Reflects a \$67,800 reduction in transfer out to capital projects due to not having any waste oil projects planned in the 2024 Capital Budget.

## Service: Sewer Operations

• Reflects a \$4.2 million increase in Purchased Services due to projected increase from the MMSD for sewerage treatment charges and lift station maintenance charges.

Budget Overview

# Agency Budget by Fund

Fund	2022 Actual	2023 Adopted	2023 Projected	2024 Request	2024 Executive
Sewer Utility	53,236,207	54,131,240	54,331,224	57,227,900	59,056,110
Total	\$ 53,236,207	\$ 54,131,240	\$ 54,331,224	\$ 57,227,900	\$ 59,056,110

# Agency Budget by Service

Service	2022 Actual	2023 Adopted	2023 Projected	2024 Request	2024 Executive
Sewer Engineering And Admin	18,887,467	17,219,883	15,564,373	18,008,886	17,901,737
Sewer Operations	34,348,740	36,911,357	38,766,851	39,219,014	41,154,372
	\$ 53.236.207	\$ 54.131.240	\$ 54.331.224	\$ 57.227.900	\$ 59.056.110

## Agency Budget by Major-Revenue

Major Revenue	2022 Actual	2023 Adopted	2023 Projected	2024 Request	2024 Executive
Intergov Revenues	(116,509)	-	-	-	-
Charges For Services	(50,824,160)	(52,692,000)	(52,225,743)	(55,485,200)	(57,313,410)
Licenses And Permits	(11,517)	(15,200)	(12,090)	(12,700)	(12,700)
Fine Forfeiture Asmt	(1,664,047)	(920,000)	(979,680)	(780,000)	(780,000)
Invest Other Contrib	(497,478)	(188,800)	(792,413)	(900,000)	(900,000)
Misc Revenue	(73,199)	-	-	-	-
Other Finance Source	(49,263)	(315,240)	(319,596)	(50,000)	(50,000)
Transfer In	(35)	-	(1,702)	-	-
Total	\$ (53,236,207)	\$ (54.131.240)	\$ (54.331.224)	\$ (57,227,900)	\$ (59.056.110)

# Agency Budget by Major-Expense

Major Expense	2022 Actual	2023 Adopted	2023 Projected	2024 Request	2024 Executive
Salaries	3,120,524	3,451,345	3,000,946	3,661,261	3,735,057
Benefits	1,052,370	1,596,507	1,546,340	1,598,851	1,661,485
Supplies	251,951	512,690	551,359	375,500	375,500
Purchased Services	33,044,864	33,537,439	35,568,106	35,929,530	37,757,740
Debt Othr Financing	12,775,435	11,101,624	9,727,585	11,724,792	11,574,298
Inter Depart Charges	3,165,433	3,321,635	3,326,887	3,395,766	3,409,830
Inter Depart Billing	(402,281)	(495,000)	(495,000)	(495,000)	(495,000)
Transfer Out	227,911	1,105,000	1,105,000	1,037,200	1,037,200
Total	\$ 53.236.207	\$ 54.131.240	\$ 54.331.224	\$ 57,227,900	\$ 59.056.110

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 813 miles of sewer main, 33 lift stations, and 22,000+ 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 also administers the billing for both restaurant properties and industrial properties, which produce higher strength wastewater and are therefore customers paying higher rates.. 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 for Public Works projects and public improvements associated with private developments.
- Utility Management & Administration: Plan, direct, and implement sanitary sewer infrastructure design, construction, operations, and maintenance. Oversee Utility administrative and technical activities.
- Sewer Design: Planning, technical design, preparation of construction plans and specifications, and project management for new, replacement, or rehabilitation of aging sanitary sewer infrastructure.
- Private Development Review: Review and evaluate private development proposals to ensure sanitary sewer system can adequately serve new developments.
- GIS: Create and maintain sanitary sewer infrastructure assets in GIS for asset and work order management.

#### Service Budget by Fund

	2022 Actual	2023 Adopted	2023 Projected	2024 Request	2024 Executive
General	-	=	=	-	=
Other-Expenditures	18,887,467	17,219,883	15,564,373	18,008,886	17,901,737
Total	\$ 18,887,467 \$	17,219,883 \$	15,564,373	\$ 18,008,886 \$	17,901,737

#### Service Budget by Account Type

309

	2	022 Actual	202	3 Adopted	2023 Pro	jected	2024	Request	2024 Executive
Revenue		(16,789,479)		(17,353,841)	(1	.6,245,598)		(18,008,886)	(18,008,886)
Personnel		1,186,904		1,917,896		1,718,677		2,236,410	2,265,691
Non-Personnel		15,280,818		12,830,661	1	1,375,519		13,227,020	13,076,526
Agency Charges		2,419,745		2,471,325		2,470,177		2,545,456	2,559,520
Total	\$	2,097,987	\$	(133,958) \$	;	(681,225)	\$	0	\$ (107,148)

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 813 miles of sewer main and 22,000+ sanitary sewer access structures. This system is supported by 33 lift stations and transports 23 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.
- Trenchless Rehab: Provide onsite inspection of trenchless rehab projects.
- · Flow Monitoring & Sampling Perform flow monitoring, 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

	2022 Actual	2023 Adopted	2023 Projected	2024 Request	2024 Executive
General	-	-	-	-	-
Other-Expenditures	34,348,740	36,911,357	38,766,851	39,219,014	41,154,372
Total	\$ 34,348,740 \$	36,911,357	38,766,851	\$ 39,219,014 \$	41,154,372

#### Service Budget by Account Type

310

	2	022 Actual	2023 Adopte	d	2	2023 Projected	2024 Request	2024 Executive
Revenue		(36,446,727)	(36,77	7,399)		(38,085,626)	(39,219,014)	(41,047,224)
Personnel		2,985,991	3,12	9,955		2,828,610	3,023,703	3,130,851
Non-Personnel		31,019,344	33,42	6,092		35,576,531	35,840,001	37,668,211
Agency Charges		343,406	35	5,310		361,710	355,310	355,310
Total	\$	(2,097,987) \$	13	3,958	\$	681,225	\$ -	\$ 107,148

Line Item Detail

Agency Primary Fund: Sewer Utility

		2022 Actual	:	2023 Adopted	:	2023 Projected	2024 Request	20	024 Executive
Intergov Revenues									
Other Unit Of Gov Revenues (	Cá	(116,509)		-		-	-		-
Intergov Revenues Total	\$	(116,509)	\$	-	\$	- \$	- :	\$	-
Charges For Services									
Miscellaneous Chrgs For Servi	ic	(126,301)		(150,000)		(192,221)	(150,000)		(150,000
Engineering Services		(64,706)		(63,100)		(63,100)	(65,000)		(65,000)
Sale Of Recyclables		(3,950)		(5,000)		(4,233)	(5,000)		(5,000)
Reimbursement Of Expense		(277,005)		(350,000)		(285,412)	(300,000)		(300,000)
Utility Fee		(10,854,333)		(10,794,600)		(11,285,030)	(11,383,000)		(11,383,000)
Customer Credits		145		-		40,653	-		-
Residential		(22,299,390)		(25,082,400)		(22,286,380)	(26,449,700)		(28,277,910)
Commercial		(9,564,211)		(8,944,000)		(10,093,070)	(9,431,500)		(9,431,500)
Industrial		(2,036,685)		(1,699,400)		(2,433,270)	(1,792,000)		(1,792,000)
Public Authorities		(5,597,723)		(5,603,500)		(5,623,680)	(5,909,000)		(5,909,000)
Charges For Services Total	\$	(50,824,160)	\$	(52,692,000)	\$	(52,225,743) \$		\$	(57,313,410
Licenses And Permits  Building Permits  Street Opening Permits  Other Permits  Licenses And Permits Total	\$	(1,905) (2,200) (7,412) (11,517)	\$	(2,200) (3,000) (10,000) (15,200)	\$	(2,000) (2,310) (7,780) (12,090) \$	(2,200) (3,000) (7,500) (12,700)	\$	(2,200 (3,000 (7,500 <b>(12,700</b>
Fine Forfeiture Asmt									
Spec Assessments Capital		(1,531,355)		(800,000)		(800,000)	(650,000)		(650,000
Late Fees		(132,692)		(120,000)		(179,680)	(130,000)		(130,000
Fine Forfeiture Asmt Total	\$	(1,664,047)	\$	(920,000)	\$	(979,680) \$	(780,000)	\$	(780,000)
Invest Other Contrib									
Interest		(497,478)		(188,800)		(792,413)	(900,000)		(900,000
Invest Other Contrib Total	\$	(497,478)	\$	(188,800)	\$	(792,413) \$	(900,000)	\$	(900,000
Misc Revenue									
Miscellaneous Revenue		(73,199)		_		_	_		_
Misc Revenue Total	\$	(73,199)	\$	-	\$	- \$	- :	\$	-
Other Finance Source									
Sale Of Assets		(49,263)		(200,000)		(200,000)	(50,000)		(50,000
Trade In Allowance		-		(115,240)		(119,596)	-		-
Other Finance Source Total	\$	(49,263)	\$	(315,240)	\$	(319,596) \$	(50,000)	\$	(50,000

Line Item Detail

Agency Primary Fund: Sewer Utility

	2022 Act	ual	2023	Adopted	2	023 Projected	2024 Request	:	2024 Executive
_									
Transfer In									
Transfer In From Impact Fees		(35)		-		-	-		-
Transfer In From Insurance		-		-		(1,702)	<u>-</u>		-
Transfer In Total	\$	(35)	\$	-	\$	(1,702)	\$ -	\$	-
Salaries									
Permanent Wages	2.7	754,544		3,030,809		2,871,572	3,300,83	4	3,375,45
Salary Savings	_,.	-		(55,868)		-	(32,72		(32,7
Pending Personnel		_		93,742		_	10,85		10,0
Premium Pay		11,184		14,060		12,887	11,24		11,2
Workers Compensation Wages		10,161		14,000		12,887	-	U	11,2
Compensated Absence		10,101		84,000		6,064	84,00	n	84,0
Hourly Wages	-	27,300		-		•	27,00		27,0
	,			24,552		16,466			
Overtime Wages Permanent	•	192,190		258,460		93,576	258,46		258,4
Overtime Wages Hourly		315		1,590		382	1,59	U	1,5
Election Officials Wages	ć 2.	5	\$	2 451 245	_	- 2 000 046		1 6	2 725 0
Salaries Total	\$ 3,1	120,524	<b>&gt;</b>	3,451,345	\$	3,000,946	\$ 3,661,26	1 \$	3,735,0
Benefits		25 427		400.000		100.000	400.00	•	400.0
Comp Absence Escrow	_	35,427		100,000		100,000	100,00		100,0
Health Insurance Benefit		547,475		574,240		568,914	532,62		583,1
Wage Insurance Benefit		9,274		8,490		9,862	9,54		9,6
WRS		196,831		224,491		203,802	243,86		252,3
FICA Medicare Benefits	2	225,425		246,201		221,458	268,36		271,8
Licenses & Certifications		334		100		887	50		5
Post Employment Health Plans		37,605		37,985		36,418	38,95	2	38,9
Other Post Emplymnt Benefit		-		155,000		155,000	155,00	0	155,0
Pension Expense		-		250,000		250,000	250,00	0	250,0
Benefits Total	\$ 1,0	)52,370	\$	1,596,507	\$	1,546,340	\$ 1,598,85	1 \$	1,661,4
Supplies		2 200		6.000		2.044	C 00	^	6.0
Office Supplies		2,298		6,000		3,041	6,00		6,0
Copy Printing Supplies		2,724		6,000		2,481	6,00		6,0
Furniture		310		2,000		2,000	1,00		1,0
Hardware Supplies		6,366		10,000		4,900	10,00		10,0
Software Lic & Supplies		664		5,000		2,373	1,00		1,0
Postage		12,147		15,000		18,596	15,00		15,0
Books & Subscriptions		32		500		500	50		5
Work Supplies	-	143,363		195,000		244,846	195,00		195,0
Safety Supplies		8,123		15,000		21,322	10,00		10,0
Uniform Clothing Supplies		3,590		5,000		4,124	5,00	0	5,0
Food And Beverage		94		-		96	-		-
<b>Building Supplies</b>		-		9,950		-	5,00	0	5,0
Landscaping Supplies		573		2,000		1,032	1,00	0	1,0
Machinery And Equipment		4,599		141,240		175,627	20,00	0	20,0
<b>Equipment Supplies</b>		67,069		100,000		70,421	100,00	0	100,0
Supplies Total	\$ 2	251,951	ć	512,690	ć	551,359	\$ 375,50	0 \$	375,5

Line Item Detail

Agency Primary Fund: Sewer Utility

	2022 Actual	2023 Adopted	2023 Projected	2024 Request	2024 Executive
Purchased Services					
	16,207	17.610	17.020	20.252	20.253
Natural Gas	•	17,610 95,000	17,020 105,730	20,252	20,252 115,790
Electricity	100,700	· ·	•	115,790	•
Water	27,805	38,840	29,190	50,880	50,880
Sewer	2,091	2,660	2,190	2,230	2,230 5,400
Stormwater	5,167	6,160	5,030	5,400	1,01
Telephone Cellular Telephone	1,049	1,106	1,030	1,015	
Building Improv Repair Maint	8,431	9,392	9,058	10,496	10,49
•	1,549	14,950	2,246	10,000	10,000
Waste Disposal	30,171,503	32,402,500	34,362,361	34,722,500	36,550,71
Custodial Bldg Use Charges	28,767	32,372	32,372	27,933	27,93
Landfill	2,129	3,500	2,230	3,500	3,50
Equipment Mntc	24,947	50,000	28,001	50,000	50,00
System & Software Mntc	66,554	108,116	102,831	78,267	78,26
Vehicle Repair & Mntc	265	1,500	2,638	1,500	1,50
Rental Of Equipment	2,072	500	500	500	50
Street Mntc	89,423	175,000	139,152	175,000	175,00
Plant In Service Mntc	2,371,552	300,000	359,516	360,000	360,00
Recruitment	213	500	850	1,000	1,00
Mileage	32	100	-	100	10
Conferences & Training	7,207	10,000	10,000	15,000	15,00
Memberships	1,839	1,833	1,833	1,477	1,47
Uniform Laundry	4,331	5,000	3,630	5,000	5,00
Medical Services	2,798	1,800	1,800	2,800	2,80
Audit Services	4,100	4,200	4,200	4,350	4,35
Credit Card Services	1,154	-	-	-	-
Delivery Freight Charges	726	1,000	1,000	1,000	1,00
Storage Services	727	960	1,200	960	96
Consulting Services	24,768	20,000	103,235	25,000	25,00
Advertising Services	1,171	1,500	2,708	1,500	1,50
Inspection Services	-	410	1,801	600	60
Locating Marking Services	13,346	15,030	16,669	20,000	20,00
Lab Services	3,524	8,500	8,500	8,500	8,50
Parking Towing Services	-	1,500	87	500	50
Program Services	-	100,000	100,000	100,000	100,00
Other Services & Expenses	43,837	35,300	46,020	35,300	35,30
Bad Debt Expense	(210)	45,000	45,000	45,000	45,00
Taxes & Special Assessments	6,150	13,100	5,979	13,680	13,68
Permits & Licenses	8,939	12,500	12,500	12,500	12,50
Purchased Services Total	\$ 33,044,864	\$ 33,537,439	\$ 35,568,106	\$ 35,929,530	\$ 37,757,740
Debt Othr Financing					
Principal	-	5,471,000	4,470,000	5,500,000	5,500,00
Interest	1,558,428	1,640,000	1,570,000	1,870,000	1,870,00
Amortization	(313,012)	(375,400)	(313,100)	(445,170)	(445,17
Bond Notes Issuance Services	96,454	-	-	-	-
Paying Agent Services	2,450	2,850	2,500	3,000	3,00
Contingent Reserve	11,431,115	4,363,174	3,998,185	4,796,962	4,646,46
Debt Othr Financing Total	\$ 12,775,435				\$ 11,574,29

Line Item Detail

Agency Primary Fund: Sewer Utility

	2022 Actual	2023 Adopted	2023 Projected	2024 Request	2024 Executive
Inter Depart Charges					
ID Charge From GF	30,665	38,138	38,138	37,098	39,417
ID Charge From Attorney	4,193	-	-	2,376	2,524
ID Charge From Civil Rights	14,381	4,273	4,273	6,885	7,311
ID Charge From Finance	136,686	116,633	116,633	93,350	99,135
ID Charge From Human Resour	26,623	5,124	5,124	18,238	19,370
ID Charge From Information Te	39,156	28,374	28,374	58,198	60,534
ID Charge From Mayor	24,960	7,718	7,718	12,088	12,838
ID Charge from EAP	3,013	1,079	1,079	1,815	1,928
ID Charge From Engineering	80,174	76,504	82,304	71,729	71,729
ID Charge From Fleet Services	351,361	333,420	333,420	360,828	361,883
ID Charge From Landfill	65,173	70,000	70,000	70,000	70,000
ID Charge From Traffic Eng	4,008	4,156	3,608	4,156	4,150
ID Charge From Insurance	81,301	75,859	75,859	96,368	96,368
ID Charge From Workers Comp	37,600	35,357	35,357	37,637	37,637
ID Charge From Stormwater	265,886	300,000	300,000	300,000	300,000
ID Charge From Water	2,000,252	2,225,000	2,225,000	2,225,000	2,225,000
Inter Depart Charges Total	\$ 3,165,433	\$ 3,321,635	\$ 3,326,887	\$ 3,395,766	\$ 3,409,830
Inter Depart Billing					
ID Billing To Engineering	(101,896)	(100,000)	(100,000)	(100,000)	(100,000
ID Billing To Landfill	(21,917)	(20,000)	(20,000)	(20,000)	(20,000
ID Billing To Stormwater	(278,468)	(375,000)	(375,000)	(375,000)	(375,000
Inter Depart Billing Total	\$ (402,281)	\$ (495,000)	\$ (495,000)	\$ (495,000)	\$ (495,000
Transfer Out					
Transfer Out to Impact Fees	10,885	-	-	-	-
Transfer Out To Capital	47,843	1,105,000	1,105,000	1,037,200	1,037,200
Transfer Out 10 Capital	,				
Transfer Out To Water	169,183	-	-	-	-

Sewer Utility Function: Public Works

Position Summary

315

		2023 Budget		2024 Budget			
		Adopted		Request		Executive	
Classification	CG	FTEs	Amount	FTEs	Amount	FTEs	Amount
ACCOUNTANT 1	20	1.00	56,625	-	-	-	-
ENGR OPER CLK-15	15	-	-	1.00	62,143	1.00	62,746
PROGRAM ASST 2-20	20	1.00	63,234	1.00	69,469	1.00	70,142
S/D MAINT TECH 2	15	8.00	547,833	8.00	588,610	8.00	594,316
SSMO 1-15	15	6.00	369,680	6.00	354,022	6.00	357,454
SURVEYOR 1-15	15	1.00	85,592	1.00	92,216	1.00	93,110
		17.00	\$1,122,964	17.00	\$1,166,460	17.00	\$1,177,768

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.