

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.

2022 Budget Highlights

The 2022 Executive Budget includes funding for:

- An anticipated 5% rate increase based on increased sewage treatment costs and diminishing interest on reserves. The projected rate increase translates to approximately \$1.61 more per month for the average residential customer. In 2021, the Sewer Utility rate was increased by 10%.
- Savings from reallocation of positions across funds (\$296,100).
- Decreases to purchased services costs that reflect equipment repairs being paid through the Fleet rate and AutoCAD subscriptions being charged to capital (\$147,700).
- An anticipated decrease of \$202,200 in Madison Metropolitan Sewerage District disposal charges.
- An increase in Interdepartmental Charges to reflect the updated 2022 Cost Allocation Plan (\$316,600).

Sewer**Function: Public Works***Budget Overview*

Agency Budget by Fund

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Sewer Utility	44,424,661	51,329,180	48,010,231	49,553,720	49,553,720
TOTAL	\$ 44,424,661	\$ 51,329,180	\$ 48,010,231	\$ 49,553,720	\$ 49,553,720

Agency Budget by Service

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Sewer Engineering & Admin	14,967,087	16,662,587	15,022,217	15,264,228	14,980,034
Sewer Operations	29,457,575	34,666,593	32,988,014	34,289,492	34,573,686
TOTAL	\$ 44,424,661	\$ 51,329,180	\$ 48,010,231	\$ 49,553,720	\$ 49,553,720

Agency Budget by Major-Revenue

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Intergov Revenues	(116,482)	(78,030)	(78,030)	-	-
Charges For Services	(43,262,725)	(49,346,360)	(46,054,593)	(48,274,080)	(48,274,080)
Licenses & Permits	(16,421)	(51,600)	(12,750)	(51,600)	(51,600)
Fine & Forfeiture	(444,145)	(1,070,000)	(1,081,678)	(920,000)	(920,000)
Investments & Other Contributions	(260,387)	(650,000)	(650,000)	(170,000)	(170,000)
Misc Revenue	(1,394)	(1,390)	(1,380)	(1,390)	(1,390)
Other Financing Source	(292,084)	(131,800)	(131,800)	(136,650)	(136,650)
Transfer In	(31,024)	-	-	-	-
TOTAL	\$ (44,424,661)	\$ (51,329,180)	\$ (48,010,231)	\$ (49,553,720)	\$ (49,553,720)

Agency Budget by Major-Expenses

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Salaries	3,036,141	3,406,042	2,943,742	3,235,948	3,268,860
Benefits	993,954	1,635,252	1,006,812	1,516,489	1,522,862
Supplies	221,191	504,660	418,298	506,450	506,450
Purchased Services	30,366,622	31,404,396	29,785,505	30,999,974	30,999,974
Debt & Other Financing	6,950,917	10,327,585	9,214,940	8,853,576	8,873,314
Inter Depart Charges	3,124,985	3,034,245	3,623,934	3,410,283	3,351,260
Inter Depart Billing	(458,523)	(483,000)	(483,000)	(495,000)	(495,000)
Transfer Out	189,375	1,500,000	1,500,000	1,526,000	1,526,000
TOTAL	\$ 44,424,661	\$ 51,329,180	\$ 48,010,231	\$ 49,553,720	\$ 49,553,720

Sewer

Function: Public Works

Service Overview

Service: Sewer Engineering & Admin

Citywide Element: Effective Government

Service Description

This service is responsible for (1) the inspection, design, evaluation, and construction of the City’s sewer collection system, (2) reviewing and inspecting permits related to sanitary sewer system excavation and plugging, and (3) collection of sewer area connection fees as well as impact fees related to municipal sewer improvements. The goal of this service is to centrally plan and monitor the City’s sewer system.

Major Budget Changes

- Decreases contributions to the Sewer Utility's Contingent Reserve (\$1.0m).
- Decreases anticipated debt service costs associated with the Sewer Utility's borrowing (\$306,000).
- Savings from reallocation of positions across funds (\$173,100).
- Increases to supplies including postage and machinery and equipment to reflect actual costs (\$1,790).

Activities Performed by this Service

- Utility Management & Administration: Plan, direct, and implement storm water 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.
- Construction Inspection: Ensure sanitary sewer construction complies with plans and specifications.
- GIS: Create and maintain sanitary sewer infrastructure assets in GIS for asset and work order management.

Service Budget by Fund

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
General	-	-	-	-	-
Other-Expenditures	14,967,087	16,662,587	15,022,217	15,264,228	14,980,034
TOTAL	\$ 14,967,087	\$ 16,662,587	\$ 15,022,217	\$ 15,264,228	\$ 14,980,034

Service Budget by Account Type

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Revenue	(13,854,620)	(16,689,439)	(15,182,714)	(15,264,228)	(15,264,228)
Personnel	1,264,601	2,071,665	1,156,722	1,901,076	1,935,834
Non-Personnel	11,284,459	12,408,677	11,093,561	10,814,794	10,834,532
Agency Charges	2,418,026	2,182,245	2,771,934	2,548,358	2,209,668
TOTAL	\$ 1,112,466	\$ (26,852)	\$ (160,497)	\$ -	\$ (284,194)

Service Overview

Service: Sewer Operations

Citywide Element: Green and Resilient

Service Description

This service is responsible for the operation and maintenance of the City’s sanitary sewer system, which consists of nearly 790 miles of sanitary sewer mains connected by more than 18,000 sanitary access structures. This system is supported by 31 pumping stations and transports 27.8 million gallons of raw sewage per day from Madison homes and businesses to the Nine Springs Wastewater Treatment Plant (WWTP). The goal of this service is to eliminate preventable main backups and overflows and convey wastewater to the WWTP with minimum inflow, infiltration, and exfiltration to prevent public health hazards and protect the environment.

Major Budget Changes

- Anticipates a decrease to Madison Metropolitan Sewerage District waste disposal charges (\$202,200).
- Savings from reallocation of positions across funds (ongoing decrease: \$123,000).

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. 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

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
General	-	-	-	-	-
Other-Expenditures	29,457,575	34,666,593	32,988,014	34,289,492	34,573,686
TOTAL	\$ 29,457,575	\$ 34,666,593	\$ 32,988,014	\$ 34,289,492	\$ 34,573,686

Service Budget by Account Type

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Revenue	(30,570,041)	(34,639,741)	(32,827,517)	(34,289,492)	(34,289,492)
Personnel	2,765,494	2,969,629	2,793,831	2,851,361	2,855,888
Non-Personnel	26,443,646	31,327,964	29,825,182	31,071,206	31,071,206
Agency Charges	248,435	369,000	369,000	366,925	646,592
TOTAL	\$ (1,112,466)	\$ 26,852	\$ 160,497	\$ -	\$ 284,194

Sewer**Function: Public Works***Line Item Detail***Agency Primary Fund: Sewer Utility**

Intergovernmental Revenue

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Federal Revenues Operating	(92,570)	(78,030)	(78,030)	-	-
Other Unit Of Gov Rev Cap	(23,912)	-	-	-	-
TOTAL	\$ (116,482)	\$ (78,030)	\$ (78,030)	\$ -	\$ -

Charges for Service

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Misc Charges for Service	(149,903)	(100,000)	(131,699)	(150,000)	(150,000)
Engineering Services	(45,102)	(57,000)	(137,427)	(66,500)	(66,500)
Sale Of Recyclables	(3,420)	(5,000)	(4,437)	(5,000)	(5,000)
Reimbursement Of Expense	(918,593)	(350,000)	(350,000)	(350,000)	(350,000)
Utility Fee	(8,728,139)	(9,299,450)	(8,639,211)	(9,878,940)	(9,878,940)
Residential	(20,280,842)	(22,336,740)	(20,802,774)	(22,954,850)	(22,954,850)
Commercial	(7,231,836)	(9,277,000)	(8,615,016)	(8,185,350)	(8,185,350)
Industrial	(1,374,107)	(2,143,140)	(1,977,260)	(1,555,280)	(1,555,280)
Public Authorities	(4,530,784)	(5,778,030)	(5,396,769)	(5,128,160)	(5,128,160)
TOTAL	\$ (43,262,725)	\$ (49,346,360)	\$ (46,054,593)	\$ (48,274,080)	\$ (48,274,080)

Licenses & Permits

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Building Permits	(2,575)	(2,600)	(1,950)	(2,600)	(2,600)
Street Opening Permits	(3,000)	(4,000)	(800)	(4,000)	(4,000)
Other Permits	(10,846)	(45,000)	(10,000)	(45,000)	(45,000)
TOTAL	\$ (16,421)	\$ (51,600)	\$ (12,750)	\$ (51,600)	\$ (51,600)

Fine Forfeiture & Assessments

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Spec Assessments Capital	(402,819)	(950,000)	(950,000)	(800,000)	(800,000)
Late Fees	(41,327)	(120,000)	(131,678)	(120,000)	(120,000)
TOTAL	\$ (444,145)	\$ (1,070,000)	\$ (1,081,678)	\$ (920,000)	\$ (920,000)

Investments & Contributions

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Interest	(260,387)	(650,000)	(650,000)	(170,000)	(170,000)
TOTAL	\$ (260,387)	\$ (650,000)	\$ (650,000)	\$ (170,000)	\$ (170,000)

Misc Revenue

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Miscellaneous Revenue	(1,394)	(1,390)	(1,380)	(1,390)	(1,390)
TOTAL	\$ (1,394)	\$ (1,390)	\$ (1,380)	\$ (1,390)	\$ (1,390)

Other Finance Sources

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Sale Of Assets	(200,631)	(25,000)	(25,000)	(25,000)	(25,000)
Trade In Allowance	(91,453)	(106,800)	(106,800)	(111,650)	(111,650)
TOTAL	\$ (292,084)	\$ (131,800)	\$ (131,800)	\$ (136,650)	\$ (136,650)

Sewer**Function: Public Works***Line Item Detail***Agency Primary Fund: Sewer Utility**

Transfer In

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Transfer In From Grants	(3,250)	-	-	-	-
Transfer In From Impact Fees	(11,679)	-	-	-	-
Transfer In From Insurance	(16,095)	-	-	-	-
TOTAL	\$ (31,024)	\$ -	\$ -	\$ -	\$ -

Salaries

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Permanent Wages	2,696,111	3,069,852	2,768,550	2,883,208	2,883,208
Salary Savings	-	(51,180)	-	(51,180)	(51,180)
Furlough Savings	-	-	(6)	-	-
Premium Pay	10,664	12,320	12,598	12,320	12,320
Workers Compensation Wages	1,936	-	20,557	-	-
Compensated Absence	182,127	80,000	5,158	84,000	84,000
Hourly Wages	17,109	35,000	33,630	47,550	47,550
Overtime Wages Permanent	127,582	258,460	102,960	258,460	258,460
Overtime Wages Hourly	281	1,590	295	1,590	1,590
Election Officials Wages	331	-	-	-	-
TOTAL	\$ 3,036,141	\$ 3,406,042	\$ 2,943,742	\$ 3,235,948	\$ 3,268,860

Benefits

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Comp Absence Escrow	39,469	100,000	-	100,000	100,000
Health Insurance Benefit	466,978	558,422	551,091	534,060	549,223
Wage Insurance Benefit	9,253	15,657	9,936	9,271	9,271
Health Insurance Retiree	-	36,653	-	-	-
WRS	196,521	224,768	194,257	212,172	204,967
FICA Medicare Benefits	212,084	274,398	213,460	237,032	235,447
Licenses & Certifications	47	1,500	79	100	100
Post Employment Health Plans	39,300	18,854	37,990	18,854	18,854
Other Post Employmnt Benefit	36,035	155,000	-	155,000	155,000
Pension Expense	(5,735)	250,000	-	250,000	250,000
TOTAL	\$ 993,954	\$ 1,635,252	\$ 1,006,812	\$ 1,516,489	\$ 1,522,862

Supplies

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Office Supplies	2,303	6,000	3,500	6,000	6,000
Copy Printing Supplies	2,706	6,000	4,200	6,000	6,000
Furniture	409	2,000	2,000	2,000	2,000
Hardware Supplies	3,031	10,000	2,156	10,000	10,000
Software Lic & Supplies	374	8,910	-	5,000	5,000
Postage	10,019	10,500	14,871	15,000	15,000
Books & Subscriptions	75	500	-	500	500
Work Supplies	129,566	195,000	194,444	195,000	195,000
Safety Supplies	6,071	15,000	8,310	15,000	15,000
Uniform Clothing Supplies	2,231	5,000	2,512	5,000	5,000
Food And Beverage	79	-	-	-	-
Building Supplies	112	9,950	9,950	9,950	9,950
Landscaping Supplies	1,649	2,000	462	2,000	2,000
Machinery And Equipment	175,774	133,800	128,230	135,000	135,000
Equipment Supplies	57,747	100,000	47,664	100,000	100,000
Contra Expense	(170,954)	-	-	-	-
TOTAL	\$ 221,191	\$ 504,660	\$ 418,298	\$ 506,450	\$ 506,450

Sewer

Function: Public Works

Line Item Detail

Agency Primary Fund: Sewer Utility

Purchased Services

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Natural Gas	8,434	11,340	12,588	12,286	12,286
Electricity	90,674	97,260	86,990	98,200	98,200
Water	31,849	34,810	32,084	35,570	35,570
Sewer	1,365	1,630	1,519	1,610	1,610
Stormwater	5,460	6,250	5,727	6,280	6,280
Telephone	4,033	2,098	1,020	1,820	1,820
Cellular Telephone	8,701	8,433	8,887	8,740	8,740
Building Improv Repair Maint	5,302	14,950	14,950	14,950	14,950
Waste Disposal	25,585,316	30,233,680	28,624,553	30,031,500	30,031,500
Custodial Bldg Use Charges	28,056	32,372	32,372	32,372	32,372
Landfill	3,220	3,000	2,866	3,500	3,500
Grounds Improv Repair Maint	2,000	-	-	-	-
Equipment Mntc	25,923	60,000	22,575	25,000	25,000
System & Software Mntc	67,589	67,722	67,722	60,185	60,185
Vehicle Repair & Mntc	1,267	79,800	997	1,500	1,500
Rental Of Equipment	64	3,500	54	500	500
Street Mntc	163,959	150,000	159,791	175,000	175,000
Plant In Service Mntc	4,236,596	425,000	564,097	300,000	300,000
Recruitment	209	1,200	-	500	500
Mileage	339	100	81	100	100
Conferences & Training	3,954	10,000	10,000	10,000	10,000
Memberships	1,130	1,241	1,172	1,191	1,191
Uniform Laundry	3,826	5,000	3,838	5,000	5,000
Medical Services	269	1,800	-	1,800	1,800
Audit Services	3,900	6,210	4,000	4,200	4,200
Delivery Freight Charges	679	1,000	674	1,000	1,000
Storage Services	620	720	103	720	720
Consulting Services	2,071	20,000	24	20,000	20,000
Advertising Services	1,349	1,500	1,313	1,500	1,500
Inspection Services	-	-	813	5,620	5,620
Locating Marking Services	15,600	15,050	15,600	16,090	16,090
Lab Services	3,700	8,500	8,500	8,500	8,500
Parking Towing Services	969	1,500	300	1,500	1,500
Security Services	55	-	-	-	-
Other Services & Expenses	34,185	36,700	37,898	50,200	50,200
Bad Debt Expense	9,223	45,000	45,000	45,000	45,000
Taxes & Special Assessments	4,266	4,530	5,016	5,540	5,540
Permits & Licenses	10,470	12,500	12,384	12,500	12,500
TOTAL	\$ 30,366,622	\$ 31,404,396	\$ 29,785,505	\$ 30,999,974	\$ 30,999,974

Debt & Other Financing

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Principal	-	4,521,000	4,340,000	4,470,000	4,470,000
Interest	1,602,198	1,650,000	1,660,000	1,540,000	1,540,000
Amortization	(164,731)	(170,000)	(313,100)	(315,000)	(315,000)
Bond Notes Issuance Services	180,617	-	-	-	-
Paying Agent Services	2,300	2,800	2,800	2,350	2,350
Depreciation	2,910,079	-	-	-	-
Fund Balance Generated	2,420,454	142,126	1,079,114	-	19,738
Contingent Reserve	-	4,181,659	2,446,126	3,156,226	3,156,226
TOTAL	\$ 6,950,917	\$ 10,327,585	\$ 9,214,940	\$ 8,853,576	\$ 8,873,314

Sewer**Function: Public Works***Line Item Detail***Agency Primary Fund: Sewer Utility**

Inter-Departmental Charges

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
ID Charge From GF	42,444	28,739	28,739	28,739	59,394
ID Charge From Attorney	3,447	6,088	6,088	6,088	4,193
ID Charge From Civil Rights	-	13,976	13,976	13,976	14,381
ID Charge From Clerk	388	-	-	-	-
ID Charge from EAP	513	-	-	-	3,013
ID Charge From Finance	56,854	148,314	148,314	148,314	136,686
ID Charge From Human Resource	12,608	19,524	19,524	19,524	26,623
ID Charge From Information Tec	18,387	18,186	18,186	18,186	39,156
ID Charge From Engineering	221,893	90,345	90,345	88,345	88,345
ID Charge From Fleet Services	323,151	92,311	350,000	350,000	244,478
ID Charge From Landfill	44,873	65,000	65,000	65,000	65,000
ID Charge From Mayor	14,923	27,080	27,080	27,080	24,960
ID Charge From Traffic Eng	2,020	2,043	2,043	4,392	4,392
ID Charge From Insurance	88,611	81,292	81,292	81,292	81,292
ID Charge From Workers Comp	32,249	36,347	36,347	36,347	36,347
ID Charge From Stormwater	197,186	300,000	300,000	300,000	300,000
ID Charge From Water	2,065,438	2,105,000	2,437,000	2,223,000	2,223,000
TOTAL	\$ 3,124,985	\$ 3,034,245	\$ 3,623,934	\$ 3,410,283	\$ 3,351,260

Inter-Departmental Billings

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
ID Billing To Engineering	(108,074)	(90,000)	(90,000)	(100,000)	(100,000)
ID Billing To Landfill	(20,382)	(18,000)	(18,000)	(20,000)	(20,000)
ID Billing To Stormwater	(330,067)	(375,000)	(375,000)	(375,000)	(375,000)
TOTAL	\$ (458,523)	\$ (483,000)	\$ (483,000)	\$ (495,000)	\$ (495,000)

Transfer Out

	2020 Actual	2021 Adopted	2021 Projected	2022 Request	2022 Executive
Transfer Out To Capital	6,200	1,500,000	1,500,000	1,526,000	1,526,000
Transfer Out To Water	183,175	-	-	-	-
TOTAL	\$ 189,375	\$ 1,500,000	\$ 1,500,000	\$ 1,526,000	\$ 1,526,000

Sewer Utility

Function: Public Works

Position Summary

Classification	CG	2021 Budget		2022 Budget			
		Adopted		Request		Executive	
		FTEs	Amount	FTEs	Amount	FTEs	Amount
ENGR OPER CLK-15	15	1.00	68,943	-	-	-	-
ENGR OPER CLK-15	20	-	-	1.00	52,280	1.00	52,281
PROGRAM ASST 2-20	20	1.00	64,987	1.00	60,388	1.00	60,388
S/D MAINT TECH 2	15	8.00	549,950	8.00	533,557	8.00	533,561
SSMO 1-15	15	6.00	361,651	6.00	360,568	6.00	360,570
SURVEYOR 1-15	15	1.00	80,842	1.00	81,740	1.00	81,740
TOTAL		17.00	1,126,373	17.00	1,088,533	17.00	1,088,540

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.