

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 waste water. The Sewer Utility transfers the waste water via design, construction, and maintenance of the sewer and lift station system throughout the City.

2020 Budget Highlights

The 2020 Executive Budget:

- Anticipates a 7% rate increase based on increased sewage treatment costs and projected debt service costs, which is approximately \$24 per year for an average residential customer (\$1,810,000). In 2019, the Sewer Utility rate was increased by 3%.
- Increases funding for the Utility's Contingent Reserve (\$1,413,750) and debt service payments based on projected borrowing (\$525,000).
- Increases Fleet costs based on 2020 rates (\$147,000).

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

Agency Budget by Fund

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Sewer Utility	39,821,979	40,684,110	42,644,698	45,968,310	46,176,529
TOTAL	\$ 39,821,979	\$ 40,684,110	\$ 42,644,698	\$ 45,968,310	\$ 46,176,529

Agency Budget by Service

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Sewer Engineering & Admin	11,784,692	12,428,824	12,678,149	14,590,851	14,377,990
Sewer Operations	28,037,287	28,255,286	29,966,549	31,377,459	31,798,539
TOTAL	\$ 39,821,979	\$ 40,684,110	\$ 42,644,698	\$ 45,968,310	\$ 46,176,529

Agency Budget by Major-Revenue

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Intergov Revenues	(115,155)	(111,060)	(109,949)	(98,270)	(98,270)
Charges For Services	(37,738,269)	(39,341,760)	(41,300,206)	(44,658,550)	(44,658,550)
Licenses & Permits	(51,202)	(20,000)	(19,800)	(30,200)	(30,200)
Fine & Forfeiture	(1,253,375)	(620,000)	(613,800)	(620,000)	(620,000)
Investments & Other Contributions	(549,674)	(480,000)	(475,200)	(450,000)	(450,000)
Misc Revenue	(1,355)	(1,290)	(1,277)	(1,290)	(1,290)
Other Financing Source	(107,249)	(110,000)	(108,900)	(110,000)	(318,219)
Transfer In	(5,700)	-	(15,565)	-	-
TOTAL	\$ (39,821,979)	\$ (40,684,110)	\$ (42,644,698)	\$ (45,968,310)	\$ (46,176,529)

Agency Budget by Major-Expenses

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Salaries	2,869,768	3,354,024	2,954,648	3,420,084	3,539,574
Benefits	1,178,380	1,250,641	1,232,004	1,347,107	1,401,922
Supplies	468,869	481,000	487,778	529,500	529,500
Purchased Services	25,414,552	25,056,304	26,947,392	28,239,857	28,239,857
Debt & Other Financing	7,195,150	7,406,771	7,887,507	9,360,621	9,360,621
Inter Depart Charges	3,107,797	3,491,870	3,491,870	3,505,141	3,539,055
Inter Depart Billing	(424,563)	(394,000)	(394,000)	(444,000)	(444,000)
Transfer Out	12,026	37,500	37,500	10,000	10,000
TOTAL	\$ 39,821,979	\$ 40,684,110	\$ 42,644,698	\$ 45,968,310	\$ 46,176,529

Sewer

Function: Public Works & Transportation

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 municipal sewer improvements. The goal of this service is to centrally plan and monitor the City's sewer system.

Major Budget Changes

- Increases budgeted reserves by \$1.4 million from \$1.8 million to \$3.3 million, a 77.8% increase.
- Increases assumed debt service payments by \$540,000 from \$5.5 million to \$6.1 million.

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

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
General	-	-	-	-	-
Other-Expenditures	11,784,692	12,428,824	12,678,149	14,590,851	14,377,990
TOTAL	\$ 11,784,692	\$ 12,428,824	\$ 12,678,149	\$ 14,590,851	\$ 14,377,990

Service Budget by Account Type

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Revenue	(11,989,614)	(12,823,037)	(12,910,660)	(14,590,851)	(14,377,990)
Personnel	1,433,132	1,874,949	1,575,255	1,900,004	1,959,356
Non-Personnel	7,959,936	8,010,218	8,559,237	9,921,836	9,921,836
Agency Charges	2,391,624	2,543,657	2,543,657	2,769,011	2,496,798
TOTAL	\$ (204,922)	\$ (394,213)	\$ (232,511)	\$ -	\$ -

Sewer

Function: Public Works & Transportation

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

- Increases waste disposal charges by \$3.2 million from \$24.0 million to \$27.2 million, a 13.3% increase.

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

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
General	-	-	-	-	-
Other-Expenditures	28,037,287	28,255,286	29,966,549	31,377,459	31,798,539
TOTAL	\$ 28,037,287	\$ 28,255,286	\$ 29,966,549	\$ 31,377,459	\$ 31,798,539

Service Budget by Account Type

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Revenue	(27,832,365)	(27,861,073)	(29,734,038)	(31,377,459)	(31,798,539)
Personnel	2,615,016	2,729,716	2,611,396	2,867,187	2,982,140
Non-Personnel	25,130,661	24,971,357	26,800,939	28,218,142	28,218,142
Agency Charges	291,611	554,213	554,213	292,130	598,257
TOTAL	\$ 204,922	\$ 394,213	\$ 232,511	\$ -	\$ -

Sewer

Function: Public Works & Transportation

Line Item Detail

Agency Primary Fund: Sewer Utility

Intergovernmental Revenue

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Federal Revenues Operating	(115,155)	(111,060)	(109,949)	(98,270)	(98,270)
TOTAL	\$ (115,155)	\$ (111,060)	\$ (109,949)	\$ (98,270)	\$ (98,270)

Charges for Service

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Misc Charges for Service	(106,415)	(100,000)	(99,000)	(100,000)	(100,000)
Engineering Services	(51,874)	(60,000)	(59,400)	(60,000)	(60,000)
Sale Of Recyclables	(5,734)	(5,000)	(4,950)	(5,000)	(5,000)
Reimbursement Of Expense	(340,714)	(250,000)	(247,500)	(300,000)	(300,000)
Utility Fee	(7,059,398)	(7,180,910)	(7,542,949)	(8,152,480)	(8,152,480)
Residential	(17,558,974)	(18,238,450)	(19,158,005)	(20,706,130)	(20,706,130)
Commercial	(6,606,553)	(7,099,860)	(7,457,819)	(8,060,470)	(8,060,470)
Industrial	(1,511,636)	(1,393,020)	(1,463,250)	(1,581,490)	(1,581,490)
Public Authorities	(4,496,972)	(5,014,520)	(5,267,335)	(5,692,980)	(5,692,980)
TOTAL	\$ (37,738,269)	\$ (39,341,760)	\$ (41,300,206)	\$ (44,658,550)	\$ (44,658,550)

Licenses & Permits

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Building Permits	(2,325)	(2,000)	(1,980)	(2,200)	(2,200)
Street Opening Permits	(3,100)	(3,000)	(2,970)	(3,000)	(3,000)
Other Permits	(45,777)	(15,000)	(14,850)	(25,000)	(25,000)
TOTAL	\$ (51,202)	\$ (20,000)	\$ (19,800)	\$ (30,200)	\$ (30,200)

Fine Forfeiture & Assessments

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Spec Assessments Capital	(1,136,579)	(500,000)	(495,000)	(500,000)	(500,000)
Late Fees	(116,795)	(120,000)	(118,800)	(120,000)	(120,000)
TOTAL	\$ (1,253,375)	\$ (620,000)	\$ (613,800)	\$ (620,000)	\$ (620,000)

Investments & Contributions

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Interest	(549,674)	(480,000)	(475,200)	(450,000)	(450,000)
TOTAL	\$ (549,674)	\$ (480,000)	\$ (475,200)	\$ (450,000)	\$ (450,000)

Misc Revenue

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Miscellaneous Revenue	(1,355)	(1,290)	(1,277)	(1,290)	(1,290)
TOTAL	\$ (1,355)	\$ (1,290)	\$ (1,277)	\$ (1,290)	\$ (1,290)

Other Finance Sources

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Sale Of Assets	(21,674)	(25,000)	(24,750)	(25,000)	(25,000)
Trade In Allowance	(85,575)	(85,000)	(84,150)	(85,000)	(85,000)
Fund Balance Applied	-	-	-	-	(208,219)
TOTAL	\$ (107,249)	\$ (110,000)	\$ (108,900)	\$ (110,000)	\$ (318,219)

Transfer In

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Transfer In From Insurance	(5,700)	-	(15,565)	-	-
TOTAL	\$ (5,700)	\$ -	\$ (15,565)	\$ -	\$ -

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

Salaries

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Permanent Wages	2,504,147	2,877,516	2,595,165	2,955,224	3,074,714
Salary Savings	-	(51,180)	-	(51,180)	(51,180)
Pending Personnel	-	11,648	-	-	-
Premium Pay	8,608	10,500	8,702	10,500	10,500
Workers Compensation Wages	8,730	-	-	-	-
Compensated Absence	80,803	155,000	90,000	155,000	155,000
Hourly Wages	21,239	90,490	28,564	90,490	90,490
Overtime Wages Permanent	244,262	258,460	231,271	258,460	258,460
Overtime Wages Hourly	1,363	1,590	304	1,590	1,590
Election Officials Wages	616	-	642	-	-
TOTAL	\$ 2,869,768	\$ 3,354,024	\$ 2,954,648	\$ 3,420,084	\$ 3,539,574

Benefits

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Comp Absence Escrow	108,830	40,000	100,000	100,000	100,000
Health Insurance Benefit	507,259	484,478	470,891	485,495	509,980
Wage Insurance Benefit	8,358	13,196	8,459	14,329	14,329
Health Insurance Retiree	-	36,653	-	36,653	36,653
WRS	187,710	190,639	181,338	207,669	221,642
FICA Medicare Benefits	212,086	221,198	207,655	237,607	253,964
Licenses & Certifications	67	1,500	400	1,500	1,500
Post Employment Health Plans	17,658	17,977	18,261	18,854	18,854
Other Post Emplmnt Benefit	89,929	80,000	80,000	80,000	80,000
Pension Expense	46,483	165,000	165,000	165,000	165,000
TOTAL	\$ 1,178,380	\$ 1,250,641	\$ 1,232,004	\$ 1,347,107	\$ 1,401,922

Supplies

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Office Supplies	4,171	6,000	4,841	6,000	6,000
Copy Printing Supplies	5,611	6,000	5,600	6,000	6,000
Furniture	532	2,000	1,000	2,000	2,000
Hardware Supplies	1,553	5,000	3,147	10,000	10,000
Software Lic & Supplies	-	12,000	2,350	10,000	10,000
Postage	9,561	10,500	10,235	10,500	10,500
Books & Subscriptions	-	500	-	500	500
Work Supplies	191,990	150,000	157,632	195,000	195,000
Safety Supplies	23,679	12,000	13,372	15,000	15,000
Uniform Clothing Supplies	2,209	5,000	2,789	5,000	5,000
Food And Beverage	135	-	130	-	-
Building Supplies	372	-	1,199	-	-
Easements & Encroachments	1,002	-	-	-	-
Landscaping Supplies	827	2,000	1,500	2,000	2,000
Machinery And Equipment	142,986	170,000	199,970	167,500	167,500
Equipment Supplies	84,241	100,000	84,016	100,000	100,000
TOTAL	\$ 468,869	\$ 481,000	\$ 487,778	\$ 529,500	\$ 529,500

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

Purchased Services

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Natural Gas	8,575	9,200	9,998	9,610	9,610
Electricity	96,894	97,400	100,874	92,580	92,580
Water	25,575	36,360	25,096	34,670	34,670
Sewer	1,615	1,720	1,453	1,540	1,540
Stormwater	4,489	4,710	4,955	5,480	5,480
Telephone	966	1,150	985	4,901	4,901
Cellular Telephone	3,027	3,032	3,057	8,291	8,291
Building Improv Repair Maint	15,206	5,000	80,500	5,000	5,000
Waste Disposal	24,594,417	24,004,000	25,783,096	27,164,900	27,164,900
Custodial Bldg Use Charges	28,630	32,189	32,189	32,372	32,372
Landfill	2,017	5,600	2,806	5,600	5,600
Equipment Mntc	55,867	60,000	57,760	60,000	60,000
System & Software Mntc	35,948	59,493	79,244	79,903	79,903
Vehicle Repair & Mntc	85,865	79,800	70,958	79,800	79,800
Rental Of Equipment	1,431	3,500	2,000	3,500	3,500
Street Mntc	70,191	100,000	123,600	100,000	100,000
Plant In Service Mntc	241,565	425,000	422,579	425,000	425,000
Recruitment	1,209	750	700	1,200	1,200
Mileage	4,615	5,500	5,555	5,500	5,500
Conferences & Training	8,873	15,000	9,210	10,000	10,000
Memberships	1,104	750	630	1,140	1,140
Uniform Laundry	4,317	5,000	3,832	5,000	5,000
Medical Services	1,581	1,000	886	1,500	1,500
Audit Services	3,700	5,430	3,750	6,000	6,000
Delivery Freight Charges	597	1,000	701	1,000	1,000
Storage Services	597	720	604	720	720
Mortgage & Title Services	105	-	-	-	-
Consulting Services	21,146	20,000	20,000	20,000	20,000
Advertising Services	862	1,500	1,286	1,500	1,500
Locating Marking Services	14,508	13,500	14,463	15,000	15,000
Lab Services	4,196	8,500	4,200	8,500	8,500
Parking Towing Services	860	1,500	221	1,500	1,500
Other Services & Expenses	58,443	32,000	63,856	32,000	32,000
Taxes & Special Assessments	3,317	3,500	3,329	3,650	3,650
Permits & Licenses	12,244	12,500	13,020	12,500	12,500
TOTAL	\$ 25,414,552	\$ 25,056,304	\$ 26,947,392	\$ 28,239,857	\$ 28,239,857

Debt & Other Financing

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Principal	3,545,000	3,950,000	4,320,000	4,475,000	4,475,000
Interest	1,619,018	1,585,000	1,420,000	1,600,000	1,600,000
Amortization	(106,940)	-	-	-	-
Bond Notes Issuance Services	112,507	-	-	-	-
Paying Agent Services	2,250	2,600	2,600	2,700	2,700
Fund Balance Generated	2,023,315	-	-	-	-
Contingent Reserve	-	1,869,171	2,144,907	3,282,921	3,282,921
TOTAL	\$ 7,195,150	\$ 7,406,771	\$ 7,887,507	\$ 9,360,621	\$ 9,360,621

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

Inter-Departmental Charges

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
ID Charge From GF	-	41,628	41,628	41,628	42,444
ID Charge From Attorney	-	5,962	5,962	5,962	3,447
ID Charge From Clerk	-	565	565	565	388
ID Charge From Finance	-	41,918	41,918	44,624	56,854
ID Charge From Human Resource	-	15,489	15,489	15,489	12,608
ID Charge From Information Tec	16,380	26,958	26,958	26,958	18,387
ID Charge From Mayor	-	14,996	14,996	14,996	14,923
ID Charge From EAP	-	-	-	-	513
ID Charge From Treasurer	-	2,706	2,706	-	-
ID Charge From Engineering	55,560	187,062	187,062	188,392	224,142
ID Charge From Fleet Services	163,573	201,861	201,861	147,446	147,446
ID Charge From Landfill	47,955	65,000	65,000	65,000	65,000
ID Charge From Traffic Eng	2,268	-	-	2,043	2,043
ID Charge From Econ Dev	-	1,178	1,178	1,178	-
ID Charge From Insurance	54,485	57,795	57,795	88,611	88,611
ID Charge From Workers Comp	58,168	48,752	48,752	32,249	32,249
ID Charge From Stormwater	243,535	240,000	240,000	250,000	250,000
ID Charge From Water	2,465,874	2,540,000	2,540,000	2,580,000	2,580,000
TOTAL	\$ 3,107,797	\$ 3,491,870	\$ 3,491,870	\$ 3,505,141	\$ 3,539,055

Inter-Departmental Billings

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
ID Billing To Engineering	(70,625)	(85,000)	(85,000)	(85,000)	(85,000)
ID Billing To Landfill	(18,898)	(24,000)	(24,000)	(24,000)	(24,000)
ID Billing To Stormwater	(335,040)	(285,000)	(285,000)	(335,000)	(335,000)
TOTAL	\$ (424,563)	\$ (394,000)	\$ (394,000)	\$ (444,000)	\$ (444,000)

Transfer Out

	2018 Actual	2019 Adopted	2019 Projected	2020 Request	2020 Executive
Transfer Out To Capital	12,026	37,500	37,500	10,000	10,000
TOTAL	\$ 12,026	\$ 37,500	\$ 37,500	\$ 10,000	\$ 10,000

Sewer Utility

Function: Public Works & Transportation

Position Summary

	2019			Request		2020		Adopted	
	CG	FTEs	Amount	FTEs	Amount	FTEs	Amount	FTEs	Amount
ENGINEER	18	2.00	136,214	2.00	160,609	2.00	167,104	-	-
ENGR FIELD AIDE	15	1.00	53,064	1.00	57,804	1.00	60,142	-	-
ENGR OPER CLK	15	1.00	64,628	1.00	64,958	1.00	67,585	-	-
ENGR OPER LDWKR	15	1.00	55,912	1.00	64,795	1.00	67,415	-	-
IT SPEC	18	1.00	89,557	1.00	83,377	1.00	86,749	-	-
PROG ASST	20	1.00	61,467	1.00	61,230	1.00	63,706	-	-
PUB WKS GEN FORE	18	2.00	141,143	2.00	147,827	2.00	153,805	-	-
PUB WKS GEN SUPV	18	1.00	92,068	1.00	91,506	1.00	95,206	-	-
S/D MAINT TECH	15	11.00	676,373	11.00	690,351	11.00	718,266	-	-
SSMO	15	16.00	851,798	16.00	841,833	16.00	875,868	-	-
SURVEYOR	15	1.00	76,462	1.00	76,169	1.00	79,249	-	-
TOTAL		38.00	\$ 2,298,685	38.00	\$ 2,340,459	38.00	\$ 2,435,095	-	\$ -

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.