

# Stormwater Utility

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## *Agency Overview*

### Agency Mission

The mission of the Stormwater Utility is to provide stormwater management services to the City of Madison with an equitable rate structure.

### Agency Overview

The Agency is responsible for reducing flooding, improving the water quality of the lakes and waterways, and complying with the Wisconsin Pollutant Discharge Elimination System (WPDES) discharge permit. The goals of the agency include reducing the total suspended solids (TSS) and total phosphorous (TP) within the City's stormwater runoff by working with neighboring municipalities, regulatory agencies, and public watershed organizations.

### 2019 Budget Highlights

The 2019 Adopted Budget:

- Provides funding to add two hourly seasonal positions in the Streets Division to clean street sweeping machines ensuring machine operators can increase sweeping time; funded by the Stormwater Utility (\$28,098).
- Provides funding to reclassify Streets Division positions #3812 and #3814 from Street Machine Operator 1 to Street Machine Operator 3 for street sweeping services funded by the Stormwater Utility (\$37,347).
- Creates three new positions in 2019. Newly created positions include an additional stormwater construction crew to meet the demand for projects pertaining to localized drainage issues:
  - Engineering Operations Leadworker funded 50% from the Capital Projects Fund and 50% from the Stormwater Utility (Total cost \$54,000).
  - Street and Sewer Machine Operator 3 funded 50% from the Capital Projects Fund and 50% from the Stormwater Utility (Total cost \$49,000).
  - Street and Sewer Machine Operator 1 funded 50% from the Capital Projects Fund and 50% from the Stormwater Utility (Total cost \$44,000).
- Provides funding for software maintenance costs for CAD licensing upgrades to ensure the existing service level for Stormwater design work is maintained (\$42,000).
- Reflects increased charges from Fleet for in-house vehicle maintenance instead of contracted maintenance for assets owned by the Stormwater Utility because it is more cost effective. An existing Fleet service technician will be stationed at the Engineering facility on Emil Street to provide service on the vehicles (\$35,000).
- Anticipates a 4% rate increase based on projected debt service costs (approximately \$4/year for an average residential customer). In 2018 the Stormwater Utility rate was increased by 3 %.
- Reflects the City's cost allocation model that was developed in 2018. The goal of this methodology is to accurately and consistently allocate central service costs to enterprise agencies receiving services. Charges associated with cost allocation are reflected in the inter-departmental charges & billing major expenditure categories shown in the Line Item Detail section of the agency's budget. Reference the Executive Summary for a full explanation of the methodology, the allocation basis, and summary of allocated costs.



# Stormwater Utility

Function: Public Works & Transportation

## Service Overview

### Service: Stormwater Engineering & Administration

#### Service Description

This service is responsible for the design and inspection of stormwater infrastructure construction, and the general administration of stormwater utility permits and records. The goal of this program is to centrally monitor the overall operations of the Stormwater Utility.

#### 2019 Planned Activities

- Maintain the existing level of service to rehabilitate and replace system assets based on condition to ensure assets function as designed.
- Implement expanded alternatives for vegetative design of stormwater management areas throughout the City.
- Expand partnerships with neighboring municipalities, regulatory agencies, and public watershed organizations.
- Design and construct solutions to localized drainage issues.

#### Service Budget by Account Type

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Revenue	(10,158,289)	(10,966,759)	(10,783,122)	(10,852,393)	(10,852,393)	(10,852,393)
Expense	10,789,473	10,960,636	10,852,598	10,852,393	10,452,446	10,452,446
<b>Net Service Budget</b>	<b>\$ 631,184</b>	<b>\$ (6,123)</b>	<b>\$ 69,476</b>	<b>\$ -</b>	<b>\$ (399,947)</b>	<b>\$ (399,947)</b>

### Service: Stormwater Operations

#### Service Description

This service is responsible for the operation and maintenance of Stormwater Utility system infrastructure of storm sewer mains, basins, and greenways. The goal of the service is to maintain, repair, rehabilitate, and construct the stormwater system infrastructure in accordance with design and improvements.

#### 2019 Planned Activities

- Maintain the existing level of service to continue scheduled preventive maintenance and cleaning of existing catch basins.
- Implement scheduled mowing of stormwater management areas to eliminate woody growth and to control noxious weeds and invasive species.
- Construct drainage improvements to address local drainage issues throughout the City.
- Implement a GIS Computerized Maintenance Management System (CMMS) transitioning the field work order system to a paperless model.

#### Service Budget by Account Type

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Revenue	(6,279,655)	(5,731,226)	(5,680,121)	(6,477,717)	(6,477,717)	(6,477,717)
Expense	5,648,471	5,737,349	5,610,644	6,477,717	6,877,664	6,877,664
<b>Net Service Budget</b>	<b>\$ (631,184)</b>	<b>\$ 6,123</b>	<b>\$ (69,476)</b>	<b>\$ -</b>	<b>\$ 399,947</b>	<b>\$ 399,947</b>

# Stormwater Utility

Function: Public Works & Transportation

## Line Item Detail

Agency Primary Fund: Stormwater Utility

### Intergovernmental Revenues

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Federal Revenues Operating	(38,969)	(30,640)	(30,640)	(18,440)	(18,440)	(18,440)
State Revenues Capital	(167,004)	-	-	-	-	-
<b>TOTAL</b>	<b>\$ (205,972)</b>	<b>\$ (30,640)</b>	<b>\$ (30,640)</b>	<b>\$ (18,440)</b>	<b>\$ (18,440)</b>	<b>\$ (18,440)</b>

### Charges for Service

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Engineering Services	(5,222)	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
Sale Of Recyclables	(2,249)	(4,500)	(4,500)	(2,500)	(2,500)	(2,500)
Reimbursement Of Expense	(183,849)	(225,000)	(125,000)	(225,000)	(225,000)	(225,000)
Utility Fee	(1,295,348)	(1,200,820)	(1,197,049)	(1,257,510)	(1,257,510)	(1,257,510)
Erosion Control Fee	(143,870)	(120,000)	(118,800)	(120,000)	(120,000)	(120,000)
Stormwater Mgmt Fee	(93,068)	(75,000)	(74,250)	(95,000)	(95,000)	(95,000)
Stormwater Only	(3,116,877)	(3,415,200)	(3,404,471)	(3,576,410)	(3,576,410)	(3,576,410)
Residential	(4,868,287)	(5,151,800)	(5,135,622)	(5,395,000)	(5,395,000)	(5,395,000)
Commercial	(4,242,150)	(4,090,000)	(4,077,147)	(4,283,060)	(4,283,060)	(4,283,060)
Industrial	(175,744)	(165,100)	(164,578)	(172,890)	(172,890)	(172,890)
Public Authorities	(1,459,943)	(1,670,800)	(1,665,546)	(1,749,660)	(1,749,660)	(1,749,660)
<b>TOTAL</b>	<b>\$ (15,586,607)</b>	<b>\$ (16,119,220)</b>	<b>\$ (15,967,963)</b>	<b>\$ (16,878,030)</b>	<b>\$ (16,878,030)</b>	<b>\$ (16,878,030)</b>

### Licenses & Permits

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Street Opening Permits	(7,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)
<b>TOTAL</b>	<b>\$ (7,000)</b>	<b>\$ (5,000)</b>	<b>\$ (5,000)</b>	<b>\$ (5,000)</b>	<b>\$ (5,000)</b>	<b>\$ (5,000)</b>

### Fine Forfeiture & Assessments

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Spec Assessments Capital	(175,367)	(150,000)	(150,000)	(150,000)	(150,000)	(150,000)
Late Fees	(43,408)	(48,000)	(48,000)	(48,000)	(48,000)	(48,000)
<b>TOTAL</b>	<b>\$ (218,775)</b>	<b>\$ (198,000)</b>	<b>\$ (198,000)</b>	<b>\$ (198,000)</b>	<b>\$ (198,000)</b>	<b>\$ (198,000)</b>

### Investments & Contributions

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Interest	(378,892)	(175,000)	(175,000)	(175,000)	(175,000)	(175,000)
Contributions & Donations	(423)	-	-	-	-	-
<b>TOTAL</b>	<b>\$ (379,315)</b>	<b>\$ (175,000)</b>	<b>\$ (175,000)</b>	<b>\$ (175,000)</b>	<b>\$ (175,000)</b>	<b>\$ (175,000)</b>

### Misc Revenue

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Miscellaneous Revenue	(1,231)	(10,640)	(10,640)	(640)	(640)	(640)
<b>TOTAL</b>	<b>\$ (1,231)</b>	<b>\$ (10,640)</b>	<b>\$ (10,640)</b>	<b>\$ (640)</b>	<b>\$ (640)</b>	<b>\$ (640)</b>

### Other Finance Sources

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Sale Of Assets	(9,394)	(40,000)	(40,000)	(25,000)	(25,000)	(25,000)
Trade In Allowance	(29,650)	(30,000)	(30,000)	(30,000)	(30,000)	(30,000)
General Obligation Bond Alloc	-	-	(6,000)	-	-	-
Fund Balance Applied	-	(89,485)	-	-	-	-
<b>TOTAL</b>	<b>\$ (39,044)</b>	<b>\$ (159,485)</b>	<b>\$ (76,000)</b>	<b>\$ (55,000)</b>	<b>\$ (55,000)</b>	<b>\$ (55,000)</b>

# Stormwater Utility

Function: Public Works & Transportation

## Line Item Detail

Agency Primary Fund: Stormwater Utility

### Salaries

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Permanent Wages	3,618,913	4,186,656	3,683,471	4,258,833	4,443,641	4,443,641
Salary Savings	-	(46,310)	-	(46,310)	(46,310)	(46,310)
Pending Personnel	-	-	-	75,723	75,723	75,723
Premium Pay	7,352	41,474	9,742	16,474	16,474	16,474
Workers Compensation Wages	22,283	-	15,067	-	-	-
Compensated Absence	5,626	190,000	120,000	190,000	190,000	190,000
Hourly Wages	71,643	128,622	41,275	128,622	128,622	128,622
Overtime Wages Permanent	240,597	224,412	207,011	257,182	257,182	257,182
Overtime Wages Hourly	3,656	1,000	9	1,000	1,000	1,000
Election Officials Wages	373	-	163	-	-	-
<b>TOTAL</b>	<b>\$ 3,970,443</b>	<b>\$ 4,725,854</b>	<b>\$ 4,076,738</b>	<b>\$ 4,881,524</b>	<b>\$ 5,066,332</b>	<b>\$ 5,066,332</b>

### Benefits

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Comp Absence Escrow	61,689	25,000	50,000	25,000	25,000	25,000
Health Insurance Benefit	692,516	800,171	706,495	785,619	744,814	744,814
Wage Insurance Benefit	13,544	13,714	12,631	13,698	13,597	13,597
Health Insurance Retiree	-	4,887	-	4,887	4,887	4,887
WRS	267,729	280,519	255,203	294,823	300,549	300,549
FICA Medicare Benefits	300,669	314,780	286,847	340,850	350,933	350,933
Licenses & Certifications	229	200	200	500	500	500
Post Employment Health Plans	12,746	12,684	12,854	12,684	13,096	13,096
Other Post Emplmnt Benefit	21,813	25,000	25,000	25,000	25,000	25,000
Pension Expense	264,544	100,000	200,000	100,000	100,000	100,000
<b>TOTAL</b>	<b>\$ 1,635,480</b>	<b>\$ 1,576,955</b>	<b>\$ 1,549,230</b>	<b>\$ 1,603,061</b>	<b>\$ 1,578,376</b>	<b>\$ 1,578,376</b>

### Supplies

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Office Supplies	3,929	5,918	4,509	5,918	5,918	5,918
Copy Printing Supplies	11,602	13,458	11,239	13,458	13,458	13,458
Furniture	2,729	2,709	2,246	2,709	2,709	2,709
Hardware Supplies	6,187	2,709	7,999	6,109	6,109	6,109
Software Lic & Supplies	2,800	8,000	2,986	29,040	29,040	29,040
Postage	37,355	36,822	36,064	38,922	38,922	38,922
Books & Subscriptions	22	1,870	100	1,870	1,870	1,870
Work Supplies	217,449	187,558	187,157	192,558	192,558	192,558
Janitorial Supplies	1,462	208	1,677	1,608	1,608	1,608
Medical Supplies	200	175	236	175	175	175
Safety Supplies	10,824	9,821	12,503	11,321	11,321	11,321
Uniform Clothing Supplies	5,432	5,914	4,238	6,514	6,514	6,514
Food And Beverage	1,006	-	113	100	100	100
Building Supplies	7,656	2,378	2,244	1,378	1,378	1,378
Landscaping Supplies	2,881	10,000	3,978	10,000	10,000	10,000
Trees Shrubs Plants	1,907	2,000	1,568	2,000	2,000	2,000
Fertilizers And Chemicals	-	5,000	2,520	1,000	1,000	1,000
Machinery And Equipment	109,398	103,500	107,165	103,500	103,500	103,500
Equipment Supplies	35,760	50,000	36,116	50,000	50,000	50,000
<b>TOTAL</b>	<b>\$ 458,597</b>	<b>\$ 448,040</b>	<b>\$ 424,659</b>	<b>\$ 478,180</b>	<b>\$ 478,180</b>	<b>\$ 478,180</b>

# Stormwater Utility

Function: Public Works & Transportation

Line Item Detail

Agency Primary Fund: Stormwater Utility

Purchased Services

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Natural Gas	3,633	18,495	15,204	10,525	10,525	10,525
Electricity	20,226	36,507	31,808	29,207	29,207	29,207
Water	560	7,963	987	4,613	4,613	4,613
Sewer	670	460	622	520	520	520
Stormwater	117,315	124,290	119,946	126,790	126,790	126,790
Telephone	2,638	3,500	2,697	1,651	1,651	1,651
Cellular Telephone	4,312	5,460	4,201	4,307	4,307	4,307
Building Improv Repair Maint	10,666	6,493	6,144	9,993	9,993	9,993
Pest Control	329	204	110	204	204	204
Facility Rental	300	300	600	300	300	300
Custodial Bldg Use Charges	18,053	18,893	18,893	21,911	22,420	22,420
Landfill	73,728	56,594	113,475	91,594	91,594	91,594
Grounds Improv Repair Maint	296,316	15,000	50,350	15,000	15,000	15,000
Landscaping	41,515	55,000	59,110	55,000	55,000	55,000
Equipment Mntc	35,831	42,296	53,028	41,796	41,796	41,796
System & Software Mntc	33,702	34,860	36,140	36,350	78,694	78,694
Vehicle Repair & Mntc	45,901	70,000	50,000	44,400	44,400	44,400
Rental Of Equipment	502	1,000	6,575	5,000	5,000	5,000
Street Mntc	-	1,000	1,000	-	-	-
Plant In Service Mntc	-	25,000	17,965	25,000	25,000	25,000
Recruitment	557	656	668	756	756	756
Mileage	5,539	4,500	4,523	5,500	5,500	5,500
Conferences & Training	9,892	13,042	10,609	13,042	13,042	13,042
Memberships	18,977	24,176	21,143	25,865	25,865	25,865
Uniform Laundry	3,484	3,947	3,076	3,947	3,947	3,947
Medical Services	214	750	300	750	750	750
Audit Services	3,298	4,600	3,000	4,720	4,720	4,720
Delivery Freight Charges	313	550	724	550	550	550
Storage Services	433	480	335	480	480	480
Mortgage & Title Services	225	-	-	-	-	-
Consulting Services	65,475	138,000	231,393	28,000	28,000	28,000
Advertising Services	935	2,581	2,476	2,581	2,581	2,581
Printing Services	160	-	-	-	-	-
Engineering Services	-	5,000	-	5,000	5,000	5,000
Surveying Services	3,100	-	5,585	-	-	-
Locating Marking Services	6,127	5,800	6,127	6,500	6,500	6,500
Lab Services	160	3,500	150	10,000	10,000	10,000
Parking Towing Services	292	550	4,779	550	550	550
Security Services	-	450	-	450	450	450
Other Services & Expenses	590,006	551,337	552,589	640,087	640,087	640,087
Taxes & Special Assessments	115,308	82,500	82,527	82,900	82,900	82,900
Permits & Licenses	27,123	30,583	27,211	30,583	30,583	30,583

**TOTAL** \$ 1,557,814 \$ 1,396,317 \$ 1,546,071 \$ 1,386,422 \$ 1,429,275 \$ 1,429,275

Debt & Other Financing

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Principal	5,028,158	5,379,583	5,379,583	6,055,280	6,055,280	6,055,280
Interest	1,015,711	1,063,906	1,063,906	1,090,100	1,090,100	1,090,100
Fund Balance Generated	1,790,732	-	1,198,997	-	-	-
Contingent Reserve	-	858,271	-	506,395	63,641	63,641

**TOTAL** \$ 7,834,601 \$ 7,301,760 \$ 7,642,486 \$ 7,651,775 \$ 7,209,021 \$ 7,209,021

# Stormwater Utility

Function: Public Works & Transportation

Line Item Detail

Agency Primary Fund: Stormwater Utility

### Inter-Departmental Charges

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
ID Charge From GF	-	-	-	-	387	387
ID Charge From Attorney	-	-	-	-	6,092	6,092
ID Charge From Clerk	-	-	-	-	565	565
ID Charge From Finance	-	-	-	-	75,997	75,997
ID Charge From Human Resource	-	-	-	-	4,840	4,840
ID Charge From Information Tec	18,180	18,900	18,900	18,900	28,166	28,166
ID Charge From Treasurer	-	-	-	-	1,825	1,825
ID Charge From Mayor	-	-	-	-	4,999	4,999
ID Charge From Public Health	6,920	8,450	8,450	-	-	-
ID Charge From Engineering	33,742	44,563	44,563	44,212	172,665	172,665
ID Charge From Fleet Services	576,426	706,395	706,395	769,327	769,327	769,327
ID Charge From Landfill	20,420	28,500	28,500	28,500	28,500	28,500
ID Charge From Traffic Eng	7,584	7,265	7,265	7,265	3,000	3,000
ID Charge From Community Dev	45,000	45,000	45,000	47,000	47,000	47,000
ID Charge From Econ Dev	-	-	-	-	1,619	1,619
ID Charge From Insurance	10,478	22,712	22,712	23,514	23,514	23,514
ID Charge From Workers Comp	-	23,204	23,204	19,430	19,430	19,430
ID Charge From Sewer	237,142	285,000	285,000	285,000	285,000	285,000
ID Charge From Water	301,482	280,570	280,570	300,000	300,000	300,000
<b>TOTAL</b>	<b>\$ 1,257,375</b>	<b>\$ 1,470,559</b>	<b>\$ 1,470,559</b>	<b>\$ 1,543,148</b>	<b>\$ 1,772,926</b>	<b>\$ 1,772,926</b>

### Inter-Departmental Billings

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
ID Billing To Engineering	(65,451)	(80,000)	(80,000)	(80,000)	(70,000)	(70,000)
ID Billing To Landfill	(9,832)	(11,500)	(11,500)	(11,500)	(11,500)	(11,500)
ID Billing To Sewer	(201,082)	(240,000)	(240,000)	(240,000)	(240,000)	(240,000)
<b>TOTAL</b>	<b>\$ (276,365)</b>	<b>\$ (331,500)</b>	<b>\$ (331,500)</b>	<b>\$ (331,500)</b>	<b>\$ (321,500)</b>	<b>\$ (321,500)</b>

### Transfer Out

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive	2019 Adopted
Transfer Out To Capital	-	110,000	85,000	117,500	117,500	117,500
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ 85,000</b>	<b>\$ 117,500</b>	<b>\$ 117,500</b>	<b>\$ 117,500</b>

# Stormwater Utility

Function: Public Works & Transportation

*Position Summary*

	2018			Request		2019		Adopted	
	CG	FTEs	Amount	FTEs	Amount	FTEs	Amount	FTEs	Amount
CONSTRUCT INSP	15	1.00	72,746	1.00	73,196	1.00	75,575	1.00	75,575
ENGINEER	18	4.00	294,490	4.00	303,111	4.00	312,962	4.00	312,962
ENGR OPER LDWKR	15	2.00	127,854	2.00	129,999	3.00	188,169	3.00	188,169
ENGR PROG SPEC	16	1.00	81,977	1.00	82,292	1.00	84,966	1.00	84,966
PW DEV MGR	18	1.00	87,213	1.00	96,516	1.00	99,653	1.00	99,653
SSMO	15	3.00	160,902	3.00	174,760	5.00	273,015	5.00	273,015
<b>TOTAL</b>		<b>12.00</b>	<b>\$ 825,182</b>	<b>12.00</b>	<b>\$ 859,874</b>	<b>15.00</b>	<b>\$ 1,034,340</b>	<b>15.00</b>	<b>\$ 1,034,340</b>

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.