

CITY OF MADISON

2018 OPERATING BUDGET

Agency Request

Agency: 84 - STORMWATER

Budget by Service (All Funds)

	2017 Budget	2018 Request	Change
Revenue			
STORMWATER ENGINEERING AND ADM	(10,767,358)	(10,877,274)	(109,916)
STORMWATER OPERATIONS	(5,951,142)	(5,731,226)	219,916
Total Revenue	(16,718,500)	(16,608,500)	110,000
Expense			
STORMWATER ENGINEERING AND ADM	10,576,296	10,877,274	300,978
STORMWATER OPERATIONS	6,142,204	5,731,226	(410,978)
Total Expense	16,718,500	16,608,500	(110,000)
Net GF Budget	\$ -	\$ -	-

Fund: 2120 - STORMWATER UTILITY

	2017 Budget	2018 Request	Change
Revenue			
INTERGOV REVENUES	(41,860)	(30,640)	11,220
CHARGES FOR SERVICES	(16,223,710)	(16,119,220)	104,490
LICENSES AND PERMITS	(2,500)	(5,000)	(2,500)
FINE FORFEITURE ASMT	(298,000)	(198,000)	100,000
INVEST OTHER CONTRIB	(107,000)	(175,000)	(68,000)
MISC REVENUE	(30,430)	(10,640)	19,790
OTHER FINANCE SOURCE	(15,000)	(70,000)	(55,000)
Total Revenue	(16,718,500)	(16,608,500)	110,000
Expense			
SALARIES	4,372,651	4,725,854	353,203
BENEFITS	1,338,732	1,573,697	234,965
SUPPLIES	467,140	448,040	(19,100)
PURCHASED SERVICES	1,273,258	1,396,317	123,059
DEBT OTHR FINANCING	7,922,574	7,250,971	(671,603)
INTER DEPART CHARGES	1,644,645	1,435,121	(209,524)
INTER DEPART BILLING	(300,500)	(331,500)	(31,000)
TRANSFER OUT	-	110,000	110,000
Total Expense	16,718,500	16,608,500	(110,000)
Net GF Budget	\$ -	\$ -	-

Position Summary by FTE

	2017 Budget	2018 Request	Change
CONSTRUCT INSP 2	1.00	1.00	-
STR SEWER MACH OPR 2	2.00	2.00	-
STR SEWER MACH OPR 3	1.00	1.00	-
ENGR OPER LDWKR 1	1.00	1.00	-
ENGR OPER LDWKR 3	1.00	1.00	-
ENGR PROG SPEC 2	1.00	1.00	-
ENGINEER 2	3.00	3.00	-
ENGINEER 3	1.00	1.00	-
PW DEV MGR 2	1.00	1.00	-
TOTAL	12.00	12.00	-



Department of Public Works
Engineering Division
Robert F. Phillips, P.E., City Engineer

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Assistant City Engineer
Michael R. Dailey, P.E.

Principal Engineer 2
Gregory T. Fries, P.E.
Christopher J. Petykowski, P.E.

Principal Engineer 1
Christina M. Bachmann, P.E.
Eric L. Dundee, P.E.
John S. Fahrney, P.E.

Facilities & Sustainability
Jeanne E. Hoffman, Manager

Operations Manager
Kathleen M. Cryan

Mapping Section Manager
Eric T. Pederson, P.S.

Financial Manager
Steven B. Danner-Rivers

July 12, 2017

To: Dave Schmiedicke, Finance Director

From: Robert F. Phillips, City Engineer

Subject: Engineering Division's 2018 Storm Water Utility Budget

The Engineering Division is pleased to submit our 2018 operating budget for the Storm Water Utility, a utility funded entirely through user fees.

The primary objective of the City of Madison's Storm Water Utility is to safely convey storm water, reduce flooding and improve the quality of our lakes and streams. Catch basins are cleaned on a regular basis and ponds, rain gardens, and other best management practices are constructed to reduce total suspended solids (TSS) and phosphorus entering the receiving waters. Greenways are constructed and reconstructed and shorelines are repaired to reduce erosion. Pollinator habitat is created through better greenway and pond maintenance.

In addition to the routine activities associated with running the Storm Water Utility, specific 2018 initiatives include expanding the alternative vegetative maintenance program which promotes the growth of pollinator friendly habitat and control of noxious weeds and invasive species. Work is performed by Operation Fresh Start (OFS) trainees. In addition to the direct benefits of this program, the partnership with OFS has provided Engineering an opportunity to expand its recruitment efforts for new hires and provided a more diverse pool of candidates. In 2017 Engineering hired two former OFS trainees to perform landscape maintenance of City medians and facilities. Other 2018 initiatives include measuring depth of sediment in ponds so that a good program for pond sediment maintenance can be established, completing the rating of all greenways, and implementing a Computerized Maintenance Management System (CMMS).

A Storm Utility rate increase of approximately 3% is expected. The increase is mostly attributed to an increase in debt service. If you have any questions, please feel free to contact Steve Danner-Rivers or myself.

Sincerely,

Robert F. Phillips, P.E.
City Engineer

RFP:

cc: Travis Martin

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2018 Operating Budget

2018 Operating Budget: Service Proposals

SERVICE IDENTIFYING INFORMATION

SELECT YOUR AGENCY:

Stormwater Utility

SELECT YOUR AGENCY'S SERVICE:

Stormwater Engineering and 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.

SERVICE GOALS

What community need does the service address?

Reduce flooding while improving the water quality of our lakes and waterways.

Who are the recipients of the service?

- Madison Stormwater Utility ratepayers
- Residents
- Businesses and their employees and customers
- Visitors to our City

What outcomes will be produced at the proposed funding level?

- Comply with regulatory requirements.
- Reduce the total suspended solids (TSS) and total phosphorous (TP) in the City's stormwater runoff prior to discharge to our surface waters.
- Design, construct and inspect storm sewers and drainage areas to provide adequate capacity to convey all peak design flows.
- Expand storm sewer and drainage system as necessary to accommodate the growth of the City minimizing the cost to current City residents.
- Provide adequate capacity to convey all peak design flows.
- Minimize flooding due to storm events.
- Protect municipal investment by increasing the useful life and capacities of the system and parts.
- Use operating funds efficiently.

What strategies are planned for 2018 to advance the stated outcomes?

- Partner with neighboring municipalities, regulatory agencies, and public watershed organizations.
- Design and construct Urban Best Management Practices.
- Expand implementation of alternative vegetative management of Stormwater management areas.
- Rehabilitate and replace system assets in a planned manner based on condition to assure assets function as designed.
- Coordinate replacements with street reconstruction and resurfacing projects to maximum extent feasible.
- Use trenchless technology to rehabilitate existing sewers where feasible to reduce cost and minimize disruption to residents, businesses and visitors.
- Expansion of services to be funded by developers (new subdivisions) and assessments (existing areas with no current storm sewer).
- Use in-house crews to construct solutions to localized drainage issues.

2018 Operating Budget: Service Proposals

SERVICE IDENTIFYING INFORMATION

SELECT YOUR AGENCY:

Stormwater Utility

SELECT YOUR AGENCY'S 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. Planned initiatives include the implementation of a Computerized Maintenance Management System (CMMS).

SERVICE GOALS

What community need does the service address?

- Reduce flooding while improving the water quality of our lakes and waterways

Who are the recipients of the service?

- Madison Stormwater Utility ratepayers
- Residents
- Businesses and their employees and customers
- Visitors to our City

What outcomes will be produced at the proposed funding level?

- Comply with regulatory requirements.
- Reduce the total suspended solids (TSS) in the City's stormwater runoff prior to discharge to our surface waters.
- Minimize flooding due to storm events.
- Reduce inconvenience and damage of storm events by responsibly responding to flooding calls.
- Protect municipal investment by increasing the useful life and capacities of the system and parts.
- Use operating funds efficiently.
- Perform all activities safely and avoid injury.

What strategies are planned for 2018 to advance the stated outcomes?

- Continue scheduled preventive maintenance cleaning of existing catch basins and specialized treatment structures. Add newly constructed structures to this program.
- Scheduled mowing of stormwater management areas to eliminate woody growth and control noxious weeds and invasive species.
- Continue post-storm event cleaning of major grates to remove debris prior to next storm event. Expand to include new grates.
- Construct drainage improvements to address local drainage issues.
- Implement a GIS-centric Computerized Maintenance Management System (CMMS) with paperless work orders for field crews.