

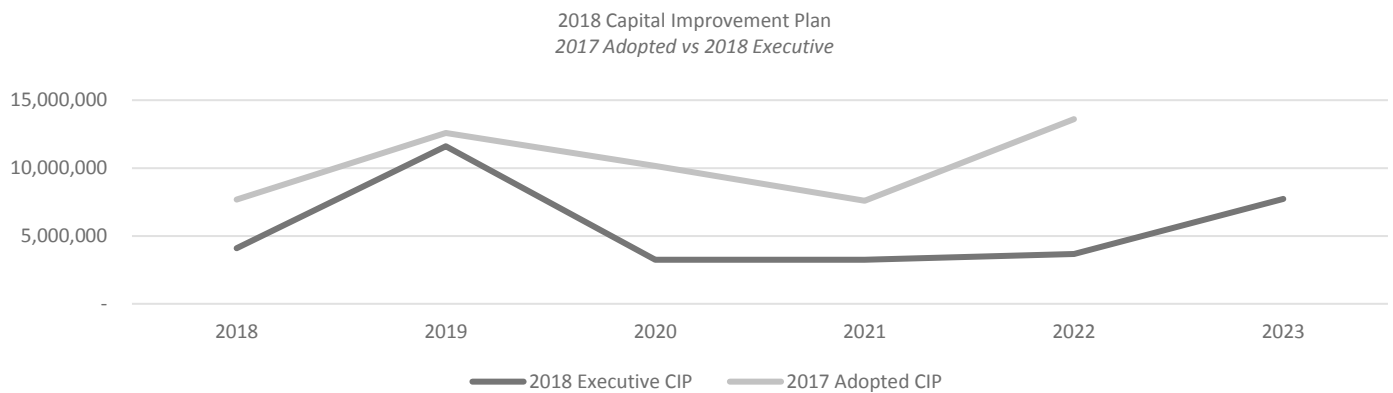
# Stormwater Utility

## Capital Improvement Plan

### Project Summary

	2018	2019	2020	2021	2022	2023
Citywide Flood Mitigation	350,000	875,000	550,000	575,000	675,000	4,575,000
Starkweather Coagulant Treatment	900,000	5,000,000	100,000	-	-	-
Storm Sewer System Improvements	475,000	475,000	475,000	475,000	475,000	475,000
Stormwater Quality System Improv	2,105,000	4,815,000	1,665,000	1,740,000	2,285,000	2,435,000
Street Cleaning Equipment - Streets	270,000	440,000	455,000	455,000	227,000	250,000
<b>Total</b>	<b>\$ 4,100,000</b>	<b>\$ 11,605,000</b>	<b>\$ 3,245,000</b>	<b>\$ 3,245,000</b>	<b>\$ 3,662,000</b>	<b>\$ 7,735,000</b>

### Changes from 2017 CIP



- Projects grouped into three major programs to align with the Stormwater Utility's desired outcomes in 2018

#### Citywide Flood Mitigation:

- 1) Backyard Drainage Problems
- 2) Local Flood Mitigation
- 3) Regional Flood Mitigation

#### Storm Sewer System Improvements:

- 1) CIPP Lining Storm Sewer
- 2) Citywide Stormwater Improvements

#### Stormwater Quality System Improvements:

- 1) Dredging Projects
- 2) Greenway Improvements
- 3) Inter-Municipal Stormwater Management
- 4) Lower Badger Mill Creek Watershed
- 5) Madison Beaches Water Quality Management
- 6) Rain Gardens
- 7) Shorelines
- 8) Starkweather Creek Watershed
- 9) Stormwater Basins
- 10) TMDL Compliance
- 11) Upper Badger Mill Creek Watershed
- 12) Urban Best Management Practices
- 13) Wingra Creek Corridor

- Starkweather Coagulant Treatment: project added to CIP (\$6.0m)

# Stormwater Utility

## Budget Overview

### 2018 CIP by Expenditure Type

	2018	2019	2020	2021	2022	2023
Land	900,000	600,000	-	-	-	-
Machinery and Equipment	270,000	440,000	455,000	455,000	227,000	250,000
Stormwater Network	2,930,000	10,565,000	2,790,000	2,790,000	3,435,000	7,485,000
<b>Total</b>	<b>\$ 4,100,000</b>	<b>\$ 11,605,000</b>	<b>\$ 3,245,000</b>	<b>\$ 3,245,000</b>	<b>\$ 3,662,000</b>	<b>\$ 7,735,000</b>

### 2018 CIP by Funding Source

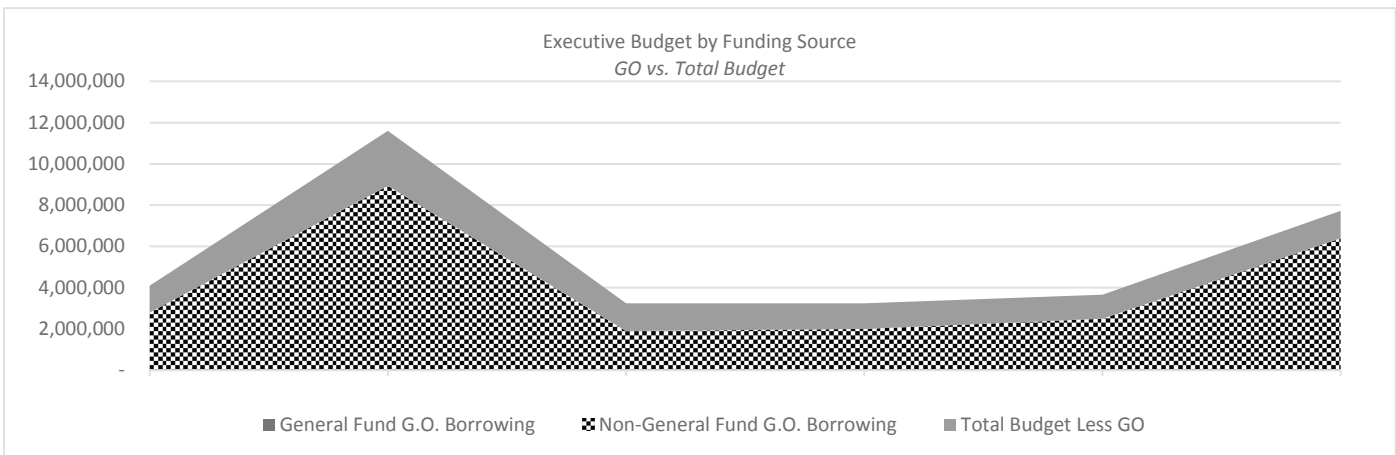
	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing	2,800,000	8,940,000	1,900,000	2,000,000	2,500,000	6,400,000
County Sources	-	1,000,000	-	-	-	-
Reserves Applied	1,300,000	1,625,000	1,300,000	1,200,000	1,140,000	1,310,000
Trade In Allowance	-	40,000	45,000	45,000	22,000	25,000
<b>Total</b>	<b>\$ 4,100,000</b>	<b>\$ 11,605,000</b>	<b>\$ 3,245,000</b>	<b>\$ 3,245,000</b>	<b>\$ 3,662,000</b>	<b>\$ 7,735,000</b>

### Borrowing Summary

	2018	2019	2020	2021	2022	2023
<b>Borrowing Schedule</b>						
General Fund G.O. Borrowing	-	-	-	-	-	-
Non-General Fund G.O. Borrowing	2,800,000	8,940,000	1,900,000	2,000,000	2,500,000	6,400,000
<b>Total</b>	<b>\$ 2,800,000</b>	<b>\$ 8,940,000</b>	<b>\$ 1,900,000</b>	<b>\$ 2,000,000</b>	<b>\$ 2,500,000</b>	<b>\$ 6,400,000</b>

### Annual Debt Service

General Fund G.O. Borrowing	-	-	-	-	-	-
Non-General Fund G.O. Borrowing	364,000	1,162,200	247,000	260,000	325,000	832,000





**Project Stormwater Quality System Improvements Project # 11665**

*Project Description*

This program is for stormwater quality improvement projects including those associated with the City’s WDNR/EPA stormwater discharge permit. The goal of this program is to improve the quality of the stormwater and to comply with environmental guidelines and initiates. Potential projects included in this program are: greenway reconstructions, storm water pond improvements, shoreline restoration, urban water quality projects, and the City’s participation in the Adaptive Management Program with the Madison Metropolitan Sewerage District. Smaller projects include rain gardens with street reconstruction and maintenance dredging.

*Project Budget by Funding Source*

	Reauth	2018	2019	2020	2021	2022	2023
Non-GF GO Borrowing	2,946,128	1,900,000	4,600,000	1,400,000	1,500,000	2,000,000	2,200,000
Carry-Over Applied	11,658	-	-	-	-	-	-
County Sources	1,100,000	-	-	-	-	-	-
Impact Fees	720,000	-	-	-	-	-	-
Reserves Applied	844,421	205,000	215,000	265,000	240,000	285,000	235,000
<b>TOTAL</b>	<b>\$ 5,622,207</b>	<b>\$ 2,105,000</b>	<b>\$ 4,815,000</b>	<b>\$ 1,665,000</b>	<b>\$ 1,740,000</b>	<b>\$ 2,285,000</b>	<b>\$ 2,435,000</b>

**Project Street Cleaning Equipment - Streets Project # 11666**

*Project Description*

This program is for the replacement of existing street sweeping machines operated by the Streets Department. The City’s street sweeping equipment life cycle is five years with interim maintenance. The goal of this program is to reduce the discharge of pollutants and solids to the lakes by removing material from the streets surface before it is mixed in with storm water runoff. In 2018, one street cleaning vehicle will be purchased.

*Project Budget by Funding Source*

	Reauth	2018	2019	2020	2021	2022	2023
Reserves Applied	-	270,000	400,000	410,000	410,000	205,000	225,000
Trade In Allowance	-	-	40,000	45,000	45,000	22,000	25,000
<b>TOTAL</b>	<b>\$ -</b>	<b>\$ 270,000</b>	<b>\$ 440,000</b>	<b>\$ 455,000</b>	<b>\$ 455,000</b>	<b>\$ 227,000</b>	<b>\$ 250,000</b>

# Stormwater Utility

## 2018 Appropriation Schedule

### 2018 Appropriation

### Executive Budget

	Request	GO Borrowing	Other	Total
Citywide Flood Mitigation	350,000	100,000	250,000	350,000
Starkweather Coagulant Treatment	900,000	600,000	300,000	900,000
Storm Sewer System Improvements	475,000	200,000	275,000	475,000
Stormwater Quality System Improvements	2,105,000	1,900,000	205,000	2,105,000
Street Cleaning Equipment - Streets	270,000	-	270,000	270,000
<b>Total</b>	<b>\$ 4,100,000</b>	<b>\$ 2,800,000</b>	<b>\$ 1,300,000</b>	<b>\$ 4,100,000</b>

### Reauthorized Appropriation

	GO Borrowing	Other	Total
Citywide Flood Mitigation	404,500	25,000	429,500
Storm Sewer System Improvements	5,000	150,000	155,000
Stormwater Quality System Improvements	2,946,128	2,676,079	5,622,207
<b>Total</b>	<b>\$ 3,355,628</b>	<b>\$ 2,851,079</b>	<b>\$ 6,206,707</b>

### Total 2018 Appropriation

	<b>\$ 6,155,628</b>	<b>\$ 4,151,079</b>	<b>\$ 10,306,707</b>
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