

Utilities Division – Stormwater Fund

Mission

Build a brighter future by reducing water pollution and avoiding flooding through Stormwater infrastructure improvements.

The goals of the Stormwater Division are to prevent flooding and protect the environment by preventing outflow of stormwater runoff into the Charles River watershed. As rain falls upon streets, sidewalks, homes, or other man-made structures, the water becomes polluted as it naturally enters back into ponds, rivers, or other sources. Finding a way to mitigate this stormwater runoff is paramount to the long-term sustainability of the Charles River and is required by federal law.

The City of Newton prides itself on having one of the most proactive stormwater management plans in the Commonwealth and our goal is to continue being a leader. As environmental factors are rapidly evolving, the Stormwater Division must continue to be proactive in preparing to face increased demands, mandated requirements, and changes to the way we view stormwater

The Stormwater Management Program made headway during FY2019 in system improvements and securing adequate long-term funding. Under the NPDES will prepare Stormwater Management Plan, develop Operation & Maintenance procedures for all municipal facilities, begin corrective measures in the Cheesecake Brook drainage basin for illegal drain connections. Here are some of the top accomplishments this past year:

- Replaced 400 linear feet of Laundry Brook culvert
- Cleaned 60% of catch basins city wide
- Completed spill prevention control and countermeasure plan
- Completed the Illicit Discharge Detection and Elimination (IDDE) investigation in the Cheesecake Brook Drainage Basin
- Installed a subgrade infiltration basin at the Franklin School to eliminate local flooding
- Began construction of the Hammond brook culvert
- Submitted 2018 NPDES MS4 Annual Report to EPA/NEP
- Completed review of Stormwater program long-term funding needs and secured appropriate fee increases through City Council
- Monitored Charles River stormwater outfalls with wet and dry weather sampling
- Continued extensive education program

This upcoming year the Stormwater division will be performing the following projects:

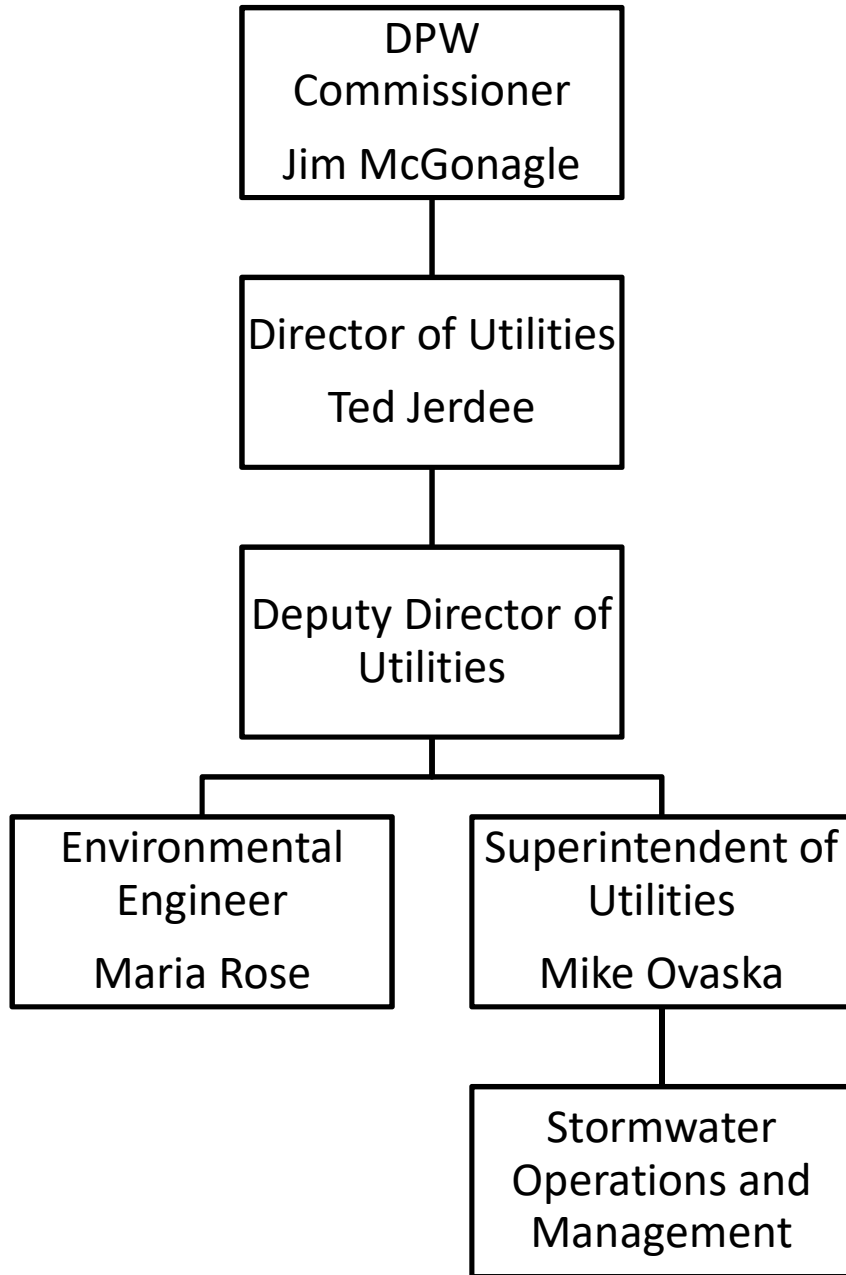
- Construction of Bullough's Pond Dam
- Design and Construction of South Meadow Brook Culvert
- Replacement of the culvert headwall at Cheesecake Brook between Commonwealth Avenue and 1600 Washington Street.

Jim McGonagle

Jim McGonagle

Commissioner of Public Works

STORMWATER



Financial and Operating Highlights

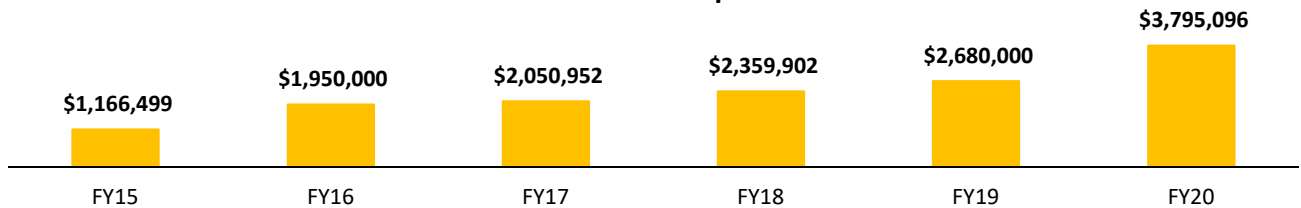
Financial Highlights

	Actual			Adj Budget		Proposed
	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
Expenditure by Department						
Comptroller	\$ -	\$ -	\$ 63,182	\$ 97,965	\$ 153,249	\$ 1,017,849
Treasurer	\$ -	\$ -	\$ 53,820	\$ 76,491	\$ 316,285	\$ 440,062
Public Works	\$ 1,166,499	\$ 1,950,000	\$ 1,933,950	\$ 2,185,446	\$ 2,210,466	\$ 2,337,185
Total	\$ 1,166,499	\$ 1,950,000	\$ 2,050,952	\$ 2,359,902	\$ 2,680,000	\$ 3,795,096
% Incr		67.17%	5.18%	15.06%	13.56%	41.61%

Personnel (Utilities Division - Water, Sewer, Stormwater)

Full-Time Employees	58	59	67	68	68	70
Part-Time Employees	4	4	4	4	4	4
Total	62	63	71	72	72	74

Total Stormwater Expenditures

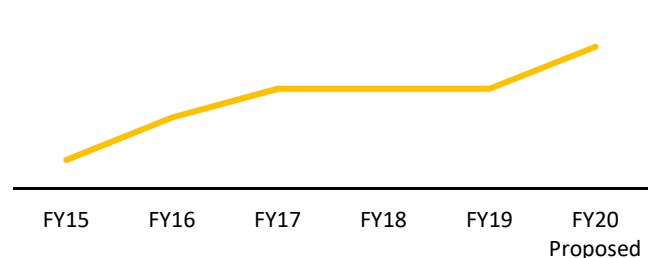


Operating Highlights

Stormwater Fee Revenue

Year	Total	
FY15	\$ 776,435	\$4,000,000
FY16	\$ 1,909,731	\$3,000,000
FY17	\$ 2,680,000	\$2,000,000
FY18	\$ 2,680,000	\$1,000,000
FY19	\$ 2,680,000	\$-
FY20 Proposed	\$ 3,800,000	

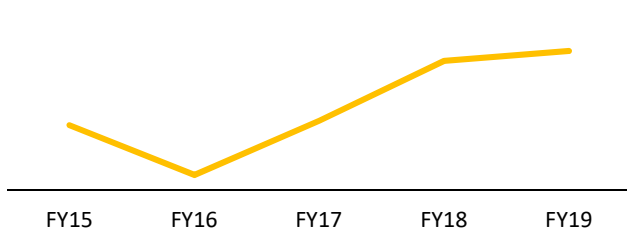
Stormwater Fee Revenue



Stormwater Fund Reserves

Year	Balance	
FY15	\$ 645,084	\$1,500,000
FY16	\$ 148,043	\$1,000,000
FY17	\$ 692,439	\$500,000
FY18	\$ 1,292,363	
FY19	\$ 1,389,471	\$-

Total Stormwater Fund Reserves



Stormwater Division

Fiscal Year 2020 Outcomes and Strategies

Outcome 1

Reduce Pollution through Stormwater Management

system for contamination prior to being discharged into the Charles River, reducing negative environmental impacts from the City of Newton.

Reducing stormwater runoff is one of the top priorities each year for the Stormwater division. In FY20 we will begin our Illicit Discharge and Detection Elimination Program (IDDE) in the Laundry Brook Drainage Basin. The IDDE program investigates the stormwater collection

In FY20 the Stormwater division hopes to complete two major capital initiatives. The rehabilitation of the South Meadow Brook culvert under Needham Street will include, removal of sediment, inspection and assessment, design and structural rehabilitation of the culvert. Additionally, we will complete the Hammond Brook Culvert Rehabilitation Project. The scope of work will consist of the replacement of 130 feet and lining of 170 feet of vitrified clay pipe in an easement off Glen Avenue adjacent to the MBTA Green Line Tracks.

Outcome 2

Complete Major Stormwater Capital Projects

The Stormwater division will continue to build its long-term Stormwater management strategy. We plan to develop a Crystal Lake Watershed Assessment and Phosphorus Control Plan, which will give the city guidance managing stormwater

within Crystal Lake drainage basin and improving the water quality within Crystal Lake. Very importantly, the plan will give the city guidance in managing stormwater quality throughout the city in order to meet our National Pollutant Discharge Elimination Systems (NPDES) permit requirements.

Outcome 3

Continue Long Term Stormwater Strategy

FUND: 26 - STORM WATER MGMT FUND
DEPARTMENT: ALL DEPARTMENTS

CITY OF NEWTON BUDGET
PERSONNEL DETAIL

Account	Position Title Employee Name	Benefits Date			Holiday		Grade	F.Y.	FTE	GROSS	
		Hire Date	Yrs. Service	Longevity	OPEB	Add Comp					
401 - PUBLIC WORKS DEPARTMENT											
26A401A - STORM WATER SYSTEM MAINT.											
511001	Environmental Engineer	9/9/2004						FY 2019	1.00	93,287	
	ROSE, MARIA	9/9/2004	14.62	1,000	0	0	H8-25	FY2020	1.00	96,845	
Account Totals:											
					1,000	0	0		FY 2019	1.00	93,287
									FY2020	1.00	96,845
511002	Working Foreman	12/18/2000						FY 2019	1.00	64,854	
	CARRESI, PATRICK	12/18/2000	18.55	1,307	0	0	R9-8	FY2020	1.00	65,353	
	Working Foreman	10/6/2003						FY 2019	1.00	64,854	
	WHOOTEN, MARK	10/6/2003	15.75	1,307	0	0	R9-8	FY2020	1.00	65,353	
	WF Video Pipeline Insp							FY 2019	0.50	56,909	
	VACANT, VACANT			0	956	0	R9-6	FY2020	0.50	29,420	
	SHMEO CDL CLASS A	6/2/2009						FY 2019	1.00	61,235	
	LEBLANC, DONALD	6/2/2009	9.89	1,080	0	0	R7-8	FY2020	1.00	61,706	
	SHMEO							FY 2019	1.00	48,776	
	VACANT, VACANT			0	1,625	0	R6-4	FY2020	1.00	49,994	
	Mason/Curbsetter/HMEO	5/13/2002						FY 2019	1.00	57,762	
	DECARO, ANTONIO	5/13/2002	17.15	1,164	0	0	R5-8	FY2020	1.00	58,206	
	Mason/Curbsetter/HMEO							FY 2019	1.00	45,802	
	VACANT, VACANT			0	1,500	0	R5-3	FY2020	1.00	46,154	
	Water System Craft/HMEO	11/21/2016						FY 2019	0.50	50,690	
	BRISSON, MOSES	11/21/2016	2.61	0	0	0	R5-6	FY2020	0.50	26,399	
	HMEO	5/22/2006						FY 2019	1.00	57,762	
	MARINI, ALESSANDRO	5/22/2006	13.12	1,019	0	0	R5-8	FY2020	1.00	58,206	
	HMEO	1/15/2014						FY 2019	1.00	50,918	
	CONSERVA, WILLIAM	1/15/2014	5.46	785	0	0	R4-7	FY2020	1.00	52,308	
	HMEO	9/29/2014						FY 2019	1.00	47,611	
	LOGAN, DANIEL	9/29/2014	4.75	738	1,770	0	R4-5	FY2020	1.00	49,172	
Account Totals:											
					7,399	5,851	0		FY 2019	10.00	607,173
									FY2020	10.00	562,272
TOTAL STORM WATER SYSTEM MAINT.											
									FY 2019	11.00	700,460
					8,399	5,851	0		FY2020	11.00	659,117
TOTAL PUBLIC WORKS DEPARTMENT											
									FY 2019	11.00	700,460
					8,399	5,851	0		FY2020	11.00	659,117