

Utilities Division – Stormwater Fund

Mission

To reduce water pollution and avoid flooding through Stormwater infrastructure maintenance and improvements.

The goals of the Stormwater Sub-division are to protect the environment and prevent flooding by reducing and improving quality of stormwater runoff into the Charles River watershed. As rain falls upon streets, sidewalks, homes, or other man-made structures, the water becomes polluted and then 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 local waters including 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 Sub-division must continue to be proactive in preparing to face increased demands, mandated requirements, and changes to the way we manage stormwater

Stormwater Division

Fiscal Year 2023 Outcomes and Strategies

Outcome 1

Provide Regulatory Compliance with MS4 Permit

Reducing pollution from stormwater runoff, finding, and removing illicit discharges into our storm sewer (drainage) system (MS4) is a top priority for the Stormwater Division. In FY2023, we will complete Illicit Discharge and Detection Elimination (IDDE)

Investigations in the South Meadow Brook

drainage basin and commence investigations in the Saw Mill Brook drainage basin. The IDDE program investigates our drainage infrastructure for sewage indicators and helps us pinpoint the source(s) of illicit discharge. Corrective actions will result in cleaner water going into our drainage system and discharging to our streams and/or the Charles River.

We will continue to build the foundational elements of a City-wide Phosphorus Control Plan. This plan will establish a framework of structural and non-structural methods to reduce our phosphorus load to the Charles River.

Additional initiatives include year-round street sweeping, catch basin cleaning with metric-tracking, developing standard operating procedures for DPW operations, quarterly inspections of our DPW yards, stormwater pollution prevention plans, public education, and outreach.

In FY23 the Stormwater Division will complete two major capital initiatives.

Approximately 3,300 cubic yards of sediment will be removed from the three inter-connected City Hall Ponds.

DPW is beginning the design and permitting process to address deficiencies identified in recent inspections of the Bullough's Pond Dam. The engineering consultant and the DPW will work with the Bullough's Pond Dam Working Group that consists of members of the Bullough's Pond Association, City Councilors, and neighborhood representative to develop a plan for rehabilitation of the dam that meets the requirements of the Office of Dam Safety and the needs of the community.

Outcome 2

Complete Major Stormwater Capital Projects

Stormwater Division

Fiscal Year 2023 Outcomes and Strategies

Outcome 3

Continue Long Term Stormwater Strategy

The DPW's long term strategy for stormwater management includes implementing a permitting process that requires residential, commercial, and institutional properties to include storm water mitigation during renovation, construction, and development projects. Other long-term projects include assessing and modifying the DPW operations yards at Elliot and Crafts Street to improve the existing storm water infrastructure and inspection, assessment, design and rehabilitation of Edmunds Brook Spillway, Cheesecake Brook, Hammond Brook Culvert, and the Laundry Brook Culvert. We will also advance the work in the Crystal Lake Watershed Management Plan, including in-lake monitoring and the 2nd phosphorus inactivation treatment.

The DPW's long term strategy for stormwater management includes implementing a permitting process that requires residential, commercial, and institutional properties to include storm water mitigation during renovation,

We anticipate receiving updated FEMA Floodplains maps in the fall 2022 or spring 2023 and will work with the Planning Department to update the City's Floodplain Ordinance, as required.

We are participating in a regional planning project called "Building Resilience across the Charles River." Funded by the State's Municipal Vulnerability Grant Program, we look forward to its recommendations.

Outcome 4

Oversee Floodplain Management & Support Climate Resiliency

FUND: 6200 - STORM WATER FUND OPER
DEPARTMENT: ALL DEPARTMENTS

**CITY OF NEWTON BUDGET
FUNCTIONAL ELEMENT SUMMARY**

	ACTUAL 2019	ACTUAL 2020	ACTUAL 2021	ORIGINAL 2022	PROPOSED 2023	CHANGE 2022 to 2023	% CHANGE
104 - COMPTROLLER							
62A10490 - TRANSFER TO OTHER FUND	764,265	1,507,940	752,000	778,320	808,674	30,354	4%
62A10491 - CONTRIBUTORY RETIREMEN	92,859	97,405	106,198	115,756	126,868	11,112	10%
62A10492 - WORKERS COMPENSATION	0	100,000	100,000	100,000	100,000	0	0%
62A10498 - BUDGETED RESERVES	0	0	0	525,576	750,000	224,424	43%
TOTAL DEPARTMENT 104	857,124	1,705,345	958,198	1,519,652	1,785,542	265,890	17%
107 - TREASURY							
62A10771 - BOND MATURITIES	160,000	258,000	250,000	255,000	255,000	0	0%
62A10772 - INTEREST ON BONDS	156,284	182,060	170,437	159,037	146,487	-12,550	-8%
TOTAL DEPARTMENT 107	316,284	440,060	420,437	414,037	401,487	-12,550	-3%
401 - PUBLIC WORKS							
62A40101 - STORM WATER SYSTEM MAI	1,256,626	1,454,088	1,149,403	1,861,311	1,924,353	63,042	3%
62B40119 - BULLOUGHES POND PH 2	0	11,000	83,250	0	0	0	0%
TOTAL DEPARTMENT 401	1,256,626	1,465,088	1,232,653	1,861,311	1,924,353	63,042	3%
TOTAL FUND 6200	2,430,034	3,610,493	2,611,288	3,795,000	4,111,382	316,382	8%

FUND: 6200 - STORM WATER FUND OPER
DEPARTMENT: ALL DEPARTMENTS

CITY OF NEWTON BUDGET
DEPARTMENTAL DETAIL

	ACTUAL 2019	ACTUAL 2020	ACTUAL 2021	ORIGINAL 2022	RECOMMENDED 2023	CHANGE 2022 to 2023
104 - COMPTROLLER						
62A10490 - TRANSFER TO OTHER FUNDS						
TRANS TO OTHER FUND						
590001 TRANS TO-GENERAL FUN	514,265	692,940	752,000	778,320	808,674	30,354
597200 TRANS TO-STORMWATER	250,000	0	0	0	0	0
597210 TRNS TO- VACUUM ST CL	0	315,000	0	0	0	0
597211 TRANS TO- CH POND AND	0	500,000	0	0	0	0
TOTAL TRANS TO OTHER FUND	764,265	1,507,940	752,000	778,320	808,674	30,354
TOTAL TRANSFER TO OTHER FUNDS	764,265	1,507,940	752,000	778,320	808,674	30,354
62A10491 - CONTRIBUTORY RETIREMENT						
FRINGE BENEFITS						
570700 NCRS PENSION CONTB	92,859	97,405	106,198	115,756	126,868	11,112
TOTAL FRINGE BENEFITS	92,859	97,405	106,198	115,756	126,868	11,112
TOTAL CONTRIBUTORY RETIREMENT	92,859	97,405	106,198	115,756	126,868	11,112
62A10492 - WORKERS COMPENSATION						
EXPENSES						
575007 WORKERS COMP INSURA	0	100,000	100,000	100,000	100,000	0
TOTAL EXPENSES	0	100,000	100,000	100,000	100,000	0
TOTAL WORKERS COMPENSATION	0	100,000	100,000	100,000	100,000	0
62A10498 - BUDGETED RESERVES						
EXPENSES						
579000 CURRENT YEAR RESERVE	0	0	0	525,576	750,000	224,424
TOTAL EXPENSES	0	0	0	525,576	750,000	224,424
TOTAL BUDGETED RESERVES	0	0	0	525,576	750,000	224,424
TOTAL COMPTROLLER	857,124	1,705,345	958,198	1,519,652	1,785,542	265,890

CITY OF NEWTON BUDGET DEPARTMENTAL DETAIL
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	ACTUAL 2019	ACTUAL 2020	ACTUAL 2021	ORIGINAL 2022	RECOMMENDED 2023	CHANGE 2022 to 2023
107 - TREASURY						
62A10771 - BOND MATURITIES						
DEBT SERVICE						
581B07 STORM DRNG IMPV - 2016	25,000	25,000	25,000	30,000	30,000	0
581B11 LAUNDRY BRK CULV 12/17	120,000	120,000	115,000	115,000	115,000	0
581B12 FOREST GROVE PUMP 2/1	0	28,000	25,000	25,000	25,000	0
581B13 HAMMOND BRK CULV 2/19	0	20,000	20,000	20,000	20,000	0
581C32 CRAFTS ST INTR SUPP 2/1	0	35,000	35,000	35,000	35,000	0
581I28 DPW SWEEPER - 2017	15,000	20,000	20,000	20,000	20,000	0
581I37 ELGIN STREET SWEEPER	0	10,000	10,000	10,000	10,000	0
TOTAL DEBT SERVICE	160,000	258,000	250,000	255,000	255,000	0
TOTAL BOND MATURITIES	160,000	258,000	250,000	255,000	255,000	0
62A10772 - INTEREST ON BONDS						
DEBT SERVICE						
582B07 STORM DRAINAGE - 2016	27,900	26,650	25,400	24,150	22,650	-1,500
582B11 LAUNDRY BRK CILV 12/17	121,222	95,000	89,125	83,375	77,625	-5,750
582B12 FOREST GROVE PUMP 2/1	0	14,790	13,000	12,650	11,400	-1,250
582B13 HAMMOND BRK CULV 2/19	0	12,953	12,400	11,400	10,400	-1,000
582C32 CRAFTS ST INTR SUPP 2/1	0	21,847	20,850	19,100	17,350	-1,750
582I28 DPW SWEEPER - 2017	7,162	6,712	5,912	5,112	4,312	-800
582I37 ELGIN STREET SWEEPER	0	4,108	3,750	3,250	2,750	-500
TOTAL DEBT SERVICE	156,284	182,060	170,437	159,037	146,487	-12,550
TOTAL INTEREST ON BONDS	156,284	182,060	170,437	159,037	146,487	-12,550
TOTAL TREASURY	316,284	440,060	420,437	414,037	401,487	-12,550

CITY OF NEWTON BUDGET DEPARTMENTAL DETAIL
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		ACTUAL	ACTUAL	ACTUAL	ORIGINAL	RECOMMENDED	CHANGE
		2019	2020	2021	2022	2023	2022 to 2023
401 - PUBLIC WORKS							
62A40101 - STORM WATER SYSTEM MAINT.							
PERSONNEL SERVICES							
511001	FULL TIME SALARIES	132,422	97,976	99,447	103,932	107,073	3,141
511002	FULL TIME WAGES	410,537	418,891	464,231	598,072	659,563	61,491
511005	DPW LABOR WORK FOR O	6,113	8,166	7,441	10,000	10,000	0
512008	INTERNS	0	1,747	0	0	0	0
513010	REGULAR OVERTIME	113,295	88,532	64,373	75,000	77,250	2,250
513040	WORK BY OTHER DEPTS.	19,974	8,752	8,883	15,000	15,000	0
514001	LONGEVITY	6,874	8,630	8,889	9,826	8,585	-1,241
514005	WORKING OUT OF GRADE	0	0	107	0	0	0
514008	STAND-BY-PAY	0	0	1,065	0	0	0
514321	PROMPTNESS PAY STIPE	368	451	590	0	0	0
515005	BONUSES	180	2,625	0	0	0	0
515101	CLOTHING ALLOWANCE	7,000	7,500	8,500	9,500	9,500	0
515102	CLEANING ALLOWANCE	50	0	0	0	0	0
TOTAL PERSONNEL SERVICES		696,814	643,271	663,526	821,330	886,971	65,641
EXPENSES							
521000	ELECTRICITY	3,995	2,857	2,221	3,000	3,000	0
523100	PERMIT FEES	1,000	0	0	0	0	0
524030	MOTOR VEHICLE R-M	608	751	22,405	10,000	10,000	0
529230	CLEANING-CATCH BASINS	108,282	242,805	166,268	250,000	250,000	0
529250	DISPOSAL-STREET SWEE	13,907	0	0	0	0	0
530100	CONSULTANTS	19,920	0	6,750	20,000	20,000	0
530203	ENGINEERING SERVICES	78,429	274,883	101,479	345,000	325,000	-20,000
531900	TRAINING EXPENSES	115	3,289	1,494	5,000	5,000	0
534300	ADVERTISING/PUBLICATIO	0	48	0	0	0	0
539000	POLICE PRIVATE DETAIL S	2,560	2,531	2,664	3,000	3,000	0
539300	NAT POLLUT DISCH ELIM	100,372	35,175	0	140,000	150,000	10,000
542000	OFFICE SUPPLIES	248	0	0	0	0	0
543200	SMALL TOOLS	2,463	2,100	0	2,500	2,500	0
548400	VEHICLE REPAIR PARTS	11,474	9,154	6,207	10,000	10,000	0
553000	CONSTRUCTION SUPPLIE	47,957	39,348	56,944	60,000	60,000	0
558100	UNIFORMS/PROTECTIVE	465	1,198	0	1,200	1,200	0
558500	COMPUTER SUPPLIES	1,017	0	1,259	2,000	2,000	0
559200	BOOKS/MANUALS/PERIODI	0	0	141	0	500	500
571000	VEHICLE USE REIMBURSE	105	113	0	0	0	0
571100	IN-STATE CONFERENCES	675	0	185	750	750	0
573000	DUES & SUBSCRIPTIONS	345	250	250	500	500	0
TOTAL EXPENSES		393,936	614,501	368,267	852,950	843,450	-9,500
FRINGE BENEFITS							
57DENT	DENTAL INSURANCE	2,866	2,853	2,592	3,012	2,010	-1,002
57HLTH	HEALTH INSURANCE	70,294	71,032	58,579	92,669	75,683	-16,986
57LIFE	BASIC LIFE INSURANCE	217	241	255	285	342	57
57MEDA	MEDICARE PAYROLL TAX	9,772	8,810	8,701	10,459	11,378	919
57OPEB	OPEB CONTRIBUTION	1,573	1,979	2,522	5,605	4,519	-1,086
TOTAL FRINGE BENEFITS		84,722	84,916	72,649	112,031	93,932	-18,099

CITY OF NEWTON BUDGET DEPARTMENTAL DETAIL
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	ACTUAL 2019	ACTUAL 2020	ACTUAL 2021	ORIGINAL 2022	RECOMMENDED 2023	CHANGE 2022 to 2023
CAPITAL EXPENSES						
585020 CONSTRUCTION EQUIPME	60,000	0	0	0	0	0
586004 STORM DRAINAGE SYSTE	21,155	111,400	44,961	75,000	100,000	25,000
TOTAL CAPITAL EXPENSES	81,155	111,400	44,961	75,000	100,000	25,000
TOTAL STORM WATER SYSTEM MAINT.	1,256,626	1,454,088	1,149,403	1,861,311	1,924,353	63,042
62B40119 - BULLOUGHS POND PH 2						
EXPENSES						
530203 ENGINEERING SERVICES	0	11,000	83,250	0	0	0
TOTAL EXPENSES	0	11,000	83,250	0	0	0
TOTAL BULLOUGHS POND PH 2	0	11,000	83,250	0	0	0
TOTAL PUBLIC WORKS	1,256,626	1,465,088	1,232,653	1,861,311	1,924,353	63,042

FUND: 6200 - STORM WATER FUND OPER
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													
62A40101 - STORM WATER SYSTEM MAINT.													
511001	ENVIRONMENTAL ENGINEER	9/9/2004				0	HY8-30,30	FY 2022	1.00	103,932			
	ROSE, MARIA	9/9/2004	17.81	1,000	0	0	HY8-32,32	FY 2023	1.00	107,073			
Account Totals:						0		FY 2022	1.00	103,932			
					1,000	0		FY 2023	1.00	107,073			
511002	WORKING FOREMAN	12/18/2000				0	TM9-06,06	FY 2022	1.00	72,913			
	CARRESI, PATRICK	12/18/2000	21.54	1,870	0	1,000	TM9-06,06	FY 2023	1.00	75,100			
	WORKING FOREMAN	10/6/2003				0	TM9-06,06	FY 2022	1.00	72,913			
	WHOOTEN, MARK	10/6/2003	18.74	1,496	0	1,000	TM9-06,06	FY 2023	1.00	75,100			
	WF VIDEO PIPELINE INSP	11/21/2016				0	TM9-04,05	FY 2022	0.50	33,682			
	BRISSON, MOSES	11/21/2016	5.61	259	0	250	TM9 04,05	FY 2023	0.50	34,687			
	SHMEO CDL CLASS A	7/1/2021				0	TM7-06,06	FY 2022	1.00	68,737			
	VACANT		0	0	0	1,000	TM7-06,06	FY 2023	1.00	70,799			
	SHMEO	7/1/2021				0	TM6-03,03	FY 2022	1.00	59,320			
	VACANT		0	0	0	1,000	TM6-04,04	FY 2023	1.00	63,229			
	HMEO/MASON/CURBSETTER	5/13/2002				0	TM5-06,06	FY 2022	1.00	64,791			
	DECARO, ANTONIO	5/13/2002	20.13	1,662	0	1,000	TM5-06,06	FY 2023	1.00	66,734			
	HMEO/MASON/CURBSETTER	7/1/2021				0	TM5-01,01	FY 2022	1.00	53,766			
	VACANT		0	0	0	1,000	TM5-02,02	FY 2023	1.00	57,315			
	WATER SYSTEM CRAFT/HMEO	7/1/2021				0	TM5-04,04	FY 2022	0.50	29,806			
	VACANT		0	0	0	250	TM5-04,04	FY 2023	0.50	30,700			
	WATER SYSTEM CRAFT/HMEO	5/22/2006				0	TM5-06,06	FY 2022	1.00	64,791			
	MARINI, ALESSANDRO	5/22/2006	16.11	1,330	0	1,000	TM5-06,06	FY 2023	1.00	66,734			
	HMEO	3/14/2022				0	TM4-01,01	FY 2022	1.00	52,200			
	PETTIGLIO, RYAN	3/14/2022	0.3	0	2,049	1,000	TM4-01,02	FY 2023	1.00	54,388			
	HMEO	9/29/2014				0	TM4-05,06	FY 2022	1.00	62,227			
	LOGAN, DANIEL	9/29/2014	7.76	968	2,470	1,000	TM4-06,06	FY 2023	1.00	64,777			
Account Totals:						0		FY 2022	10.00	635,146			
					7,585	4,519	9,500	FY 2023	10.00	659,563			
TOTAL STORM WATER SYSTEM MAINT.										0	FY 2022	11.00	739,078
										8,585	FY 2023	11.00	766,636
TOTAL PUBLIC WORKS										0	FY 2022	11.00	739,078
										8,585	FY 2023	11.00	766,636