

Utilities Division – Stormwater Fund

Reducing water pollution and avoiding 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 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 Subdivision must continue to be proactive in preparing to face increased demands, mandated requirements, and changes to the way we view stormwater

Department of Public Works

Stormwater Division

Fiscal Year 2022 Outcomes and Strategies

Outcome 1

Regulatory Compliance with MS4 Permit

Reducing pollution from stormwater runoff, finding, and removing illicit discharges into our separate storm sewer system (MS4) is a top priority for the Stormwater Division. In FY22 we will complete Illicit Discharge and Detection Elimination (IDDE) Investigations in the Laundry Brook Drainage Basin and commence investigations in the Hyde Brook drainage basin. The IDDE program investigates our drainage infrastructure for sewage indicators and helps us pinpoint the source(s). Corrective action follows resulting in cleaner water going into our drainage system and discharging to our local waters and the Charles River.

A comprehensive Stormwater Management and Erosion Control ordinance is being developed and will be sought for adoption by the City Council. This new ordinance and the supporting Regulations will meet the requirements of the City's National Pollutant Discharge Elimination Systems (NPDES) MS4 Permit, require construction management and effective long-term stormwater management strategies for development / redevelopment projects.

Additional compliance includes year-round street sweeping, scheduled catch-basin cleaning, standard operating procedures to reduce stormwater pollutants, stormwater pollution prevention plans, public education, and outreach.

In FY22 the Stormwater Division will complete two major capital initiatives. Approximately 3,300 CY of sediment will be removed from the three inter-connected lobes of City Hall Ponds.

Design and permitting to address deficiencies identified in recent inspections and restore the functionality of the 356-year old Bullough's Pond Dam will be completed. We will apply for grants to offset the costs of construction.

Outcome 2

Complete Major Stormwater Capital Projects

We will advance the work outlined in the Crystal Lake Watershed Management Plan including in-lake monitoring and the 2nd phosphorus inactivation treatment.

We will build the foundational elements of a citywide Phosphorus Control Plan. This plan will establish a framework of structural and non-structural methods to reduce our phosphorus load to local waters and ultimately, the Charles River.

Outcome 3

Continue Long term Stormwater Strategy

Department of Public Works

Stormwater Division

Fiscal Year 2022 Outcomes and Strategies

Outcome 4

Floodplain Management & Climate Resiliency

Revised FEMA Floodplain maps for our region are due in early 2022 and we will then plan to update the Floodplain Ordinance, as required.

We are participating in a regional planning project called “Building Resilience across

the Charles River” and will review the outcomes once the study is published. The project is funded by the State’s Municipal Vulnerability Grant Program .

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

CITY OF NEWTON BUDGET
FUNCTIONAL ELEMENT SUMMARY

	ACTUAL 2018	ACTUAL 2019	ACTUAL 2020	ORIGINAL 2021	PROPOSED 2022	CHANGE 2021 to 2022	% CHANGE
104 - COMPTROLLER							
62A10490 - TRANSFER TO OTHER FUND	651,722	764,265	1,507,940	752,000	778,320	26,320	4%
62A10491 - CONTRIBUTORY RETIREMEN	97,965	92,859	97,405	101,763	115,756	13,993	14%
62A10492 - WORKERS COMPENSATION	0	0	100,000	100,000	100,000	0	0%
62A10498 - BUDGETED RESERVES	0	0	0	782,031	525,576	-256,455	-33%
TOTAL DEPARTMENT 104	749,687	857,124	1,705,345	1,735,794	1,519,652	-216,142	-12%
107 - TREASURY							
62A10771 - BOND MATURITIES	40,000	160,000	258,000	250,000	255,000	5,000	2%
62A10772 - INTEREST ON BONDS	36,491	156,284	182,060	171,337	159,037	-12,300	-7%
TOTAL DEPARTMENT 107	76,491	316,284	440,060	421,337	414,037	-7,300	-2%
401 - PUBLIC WORKS							
62A40101 - STORM WATER SYSTEM MAI	1,310,088	1,256,626	1,454,088	1,637,869	1,861,311	223,442	14%
62B40117 - FLOWED MEADOW PUMP ST	22,500	0	0	0	0	0	0%
62B40119 - BULLOUGHES POND PH 2	0	0	11,000	0	0	0	0%
TOTAL DEPARTMENT 401	1,332,588	1,256,626	1,465,088	1,637,869	1,861,311	223,442	14%
TOTAL FUND 6200	2,158,766	2,430,034	3,610,493	3,795,000	3,795,000	0	0%

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

CITY OF NEWTON BUDGET
DEPARTMENT LEGAL LEVEL OF CONTROL

	ACTUAL 2018	ACTUAL 2019	ACTUAL 2020	ORIGINAL 2021	RECOMMENDED 2022	CHANGE 2021 to 2022
COMPTROLLER SUMMARY						
52 - EXPENSES	0	0	100,000	882,031	625,576	-256,455
59 - TRANS TO OTHER FUND	651,722	764,265	1,507,940	752,000	778,320	26,320
57 - FRINGE BENEFITS	97,965	92,859	97,405	101,763	115,756	13,993
TOTAL DEPARTMENT	749,687	857,124	1,705,345	1,735,794	1,519,652	-216,142
TRANSFER TO OTHER FUNDS						
59 - TRANS TO OTHER FUND	651,722	764,265	1,507,940	752,000	778,320	26,320
TOTAL TRANSFER TO OTHER FUNDS	651,722	764,265	1,507,940	752,000	778,320	26,320
CONTRIBUTORY RETIREMENT						
57 - FRINGE BENEFITS	97,965	92,859	97,405	101,763	115,756	13,993
TOTAL CONTRIBUTORY RETIREMENT	97,965	92,859	97,405	101,763	115,756	13,993
WORKERS COMPENSATION						
52 - EXPENSES	0	0	100,000	100,000	100,000	0
TOTAL WORKERS COMPENSATION	0	0	100,000	100,000	100,000	0
BUDGETED RESERVES						
52 - EXPENSES	0	0	0	782,031	525,576	-256,455
TOTAL BUDGETED RESERVES	0	0	0	782,031	525,576	-256,455
TREASURY SUMMARY						
5D - DEBT SERVICE	76,491	316,284	440,060	421,337	414,037	-7,300
TOTAL DEPARTMENT	76,491	316,284	440,060	421,337	414,037	-7,300
BOND MATURITIES						
5D - DEBT SERVICE	40,000	160,000	258,000	250,000	255,000	5,000
TOTAL BOND MATURITIES	40,000	160,000	258,000	250,000	255,000	5,000
INTEREST ON BONDS						
5D - DEBT SERVICE	36,491	156,284	182,060	171,337	159,037	-12,300
TOTAL INTEREST ON BONDS	36,491	156,284	182,060	171,337	159,037	-12,300

CITY OF NEWTON BUDGET DEPARTMENT LEGAL LEVEL OF CONTROL
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	ACTUAL 2018	ACTUAL 2019	ACTUAL 2020	ORIGINAL 2021	RECOMMENDED 2022	CHANGE 2021 to 2022
PUBLIC WORKS SUMMARY						
51 - PERSONNEL SERVICES	786,734	696,814	643,271	816,180	821,330	5,150
52 - EXPENSES	427,000	393,936	625,501	722,537	852,950	130,413
58 - CAPITAL EXPENSES	0	81,155	111,400	0	75,000	75,000
57 - FRINGE BENEFITS	93,592	84,722	84,916	99,152	112,031	12,879
TOTAL DEPARTMENT	1,307,327	1,256,626	1,465,088	1,637,869	1,861,311	223,442
STORM WATER SYSTEM MAINT.						
51 - PERSONNEL SERVICES	786,734	696,814	643,271	816,180	821,330	5,150
52 - EXPENSES	427,000	393,936	614,501	722,537	852,950	130,413
58 - CAPITAL EXPENSES	0	81,155	111,400	0	75,000	75,000
57 - FRINGE BENEFITS	93,592	84,722	84,916	99,152	112,031	12,879
TOTAL STORM WATER SYSTEM MAIN	1,307,327	1,256,626	1,454,088	1,637,869	1,861,311	223,442
BULLOUGHS POND PH 2						
52 - EXPENSES	0	0	11,000	0	0	0
TOTAL BULLOUGHS POND PH 2	0	0	11,000	0	0	0

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

CITY OF NEWTON BUDGET
DEPARTMENTAL DETAIL

	ACTUAL 2018	ACTUAL 2019	ACTUAL 2020	ORIGINAL 2021	RECOMMENDED 2022	CHANGE 2021 to 2022
104 - COMPTROLLER						
62A10490 - TRANSFER TO OTHER FUNDS						
TRANS TO OTHER FUND						
590001 TRANS TO-GENERAL FUN	501,722	514,265	692,940	752,000	778,320	26,320
597200 TRANS TO-STORMWATER	150,000	250,000	0	0	0	0
597210 TRNS TO- VACUUM ST CL	0	0	315,000	0	0	0
597211 TRANS TO- CH POND AND	0	0	500,000	0	0	0
TOTAL TRANS TO OTHER FUND	651,722	764,265	1,507,940	752,000	778,320	26,320
TOTAL TRANSFER TO OTHER FUNDS	651,722	764,265	1,507,940	752,000	778,320	26,320
62A10491 - CONTRIBUTORY RETIREMENT						
FRINGE BENEFITS						
570700 NCRS PENSION CONTB	97,965	92,859	97,405	101,763	115,756	13,993
TOTAL FRINGE BENEFITS	97,965	92,859	97,405	101,763	115,756	13,993
TOTAL CONTRIBUTORY RETIREMENT	97,965	92,859	97,405	101,763	115,756	13,993
62A10492 - WORKERS COMPENSATION						
EXPENSES						
575007 WORKERS COMP INSURA	0	0	100,000	100,000	100,000	0
TOTAL EXPENSES	0	0	100,000	100,000	100,000	0
TOTAL WORKERS COMPENSATION	0	0	100,000	100,000	100,000	0
62A10498 - BUDGETED RESERVES						
EXPENSES						
579000 CURRENT YEAR RESERVE	0	0	0	782,031	525,576	-256,455
TOTAL EXPENSES	0	0	0	782,031	525,576	-256,455
TOTAL BUDGETED RESERVES	0	0	0	782,031	525,576	-256,455
TOTAL COMPTROLLER	749,687	857,124	1,705,345	1,735,794	1,519,652	-216,142

CITY OF NEWTON BUDGET DEPARTMENTAL DETAIL
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	ACTUAL 2018	ACTUAL 2019	ACTUAL 2020	ORIGINAL 2021	RECOMMENDED 2022	CHANGE 2021 to 2022
107 - TREASURY						
62A10771 - BOND MATURITIES						
DEBT SERVICE						
581B07 STORM DRNG IMPV - 2016	25,000	25,000	25,000	25,000	30,000	5,000
581B11 LAUNDRY BRK CULV 12/17	0	120,000	120,000	115,000	115,000	0
581B12 FOREST GROVE PUMP 2/1	0	0	28,000	25,000	25,000	0
581B13 HAMMOND BRK CULV 2/19	0	0	20,000	20,000	20,000	0
581C32 CRAFTS ST INTR SUPP 2/1	0	0	35,000	35,000	35,000	0
581I28 DPW SWEEPER - 2017	15,000	15,000	20,000	20,000	20,000	0
581I37 ELGIN STREET SWEEPER	0	0	10,000	10,000	10,000	0
TOTAL DEBT SERVICE	40,000	160,000	258,000	250,000	255,000	5,000
TOTAL BOND MATURITIES	40,000	160,000	258,000	250,000	255,000	5,000
62A10772 - INTEREST ON BONDS						
DEBT SERVICE						
582B07 STORM DRAINAGE - 2016	28,900	27,900	26,650	25,400	24,150	-1,250
582B11 LAUNDRY BRK CILV 12/17	0	121,222	95,000	89,125	83,375	-5,750
582B12 FOREST GROVE PUMP 2/1	0	0	14,790	13,900	12,650	-1,250
582B13 HAMMOND BRK CULV 2/19	0	0	12,953	12,400	11,400	-1,000
582C32 CRAFTS ST INTR SUPP 2/1	0	0	21,847	20,850	19,100	-1,750
582I28 DPW SWEEPER - 2017	7,591	7,162	6,712	5,912	5,112	-800
582I37 ELGIN STREET SWEEPER	0	0	4,108	3,750	3,250	-500
TOTAL DEBT SERVICE	36,491	156,284	182,060	171,337	159,037	-12,300
TOTAL INTEREST ON BONDS	36,491	156,284	182,060	171,337	159,037	-12,300
TOTAL TREASURY	76,491	316,284	440,060	421,337	414,037	-7,300

CITY OF NEWTON BUDGET DEPARTMENTAL DETAIL
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		ACTUAL	ACTUAL	ACTUAL	ORIGINAL	RECOMMENDED	CHANGE
		2018	2019	2020	2021	2022	2021 to 2022
401 - PUBLIC WORKS							
62A40101 - STORM WATER SYSTEM MAINT.							
PERSONNEL SERVICES							
511001	FULL TIME SALARIES	128,119	132,422	97,976	99,392	103,932	4,540
511002	FULL TIME WAGES	514,500	410,537	418,891	592,564	598,072	5,508
511005	DPW LABOR WORK FOR O	0	6,113	8,166	15,000	10,000	-5,000
512008	INTERNS	0	0	1,747	0	0	0
513010	REGULAR OVERTIME	109,186	113,295	88,532	75,000	75,000	0
513040	WORK BY OTHER DEPTS.	13,840	19,974	8,752	15,000	15,000	0
514001	LONGEVITY	8,247	6,874	8,630	9,224	9,826	602
514006	EXCEPTIONAL SVS PAY	2	0	0	0	0	0
514321	PROMPTNESS PAY STIPE	532	368	451	0	0	0
515003	SPECIAL LEAVE BUY BAC	869	0	0	0	0	0
515005	BONUSES	3,885	180	2,625	0	0	0
515006	VACATION BUY BACK	1,890	0	0	0	0	0
515101	CLOTHING ALLOWANCE	8,000	7,000	7,500	10,000	9,500	-500
515102	CLEANING ALLOWANCE	425	50	0	0	0	0
TOTAL PERSONNEL SERVICES		789,495	696,814	643,271	816,180	821,330	5,150
EXPENSES							
521000	ELECTRICITY	2,400	3,995	2,857	5,287	3,000	-2,287
523100	PERMIT FEES	0	1,000	0	0	0	0
524030	MOTOR VEHICLE R-M	14,623	608	751	10,000	10,000	0
529230	CLEANING-CATCH BASINS	144,324	108,282	242,805	250,000	250,000	0
529250	DISPOSAL-STREET SWEE	0	13,907	0	0	0	0
530100	CONSULTANTS	0	19,920	0	15,000	20,000	5,000
530203	ENGINEERING SERVICES	144,811	78,429	274,883	225,000	345,000	120,000
531900	TRAINING EXPENSES	0	115	3,289	5,000	5,000	0
534300	ADVERTISING/PUBLICATIO	0	0	48	0	0	0
539000	POLICE PRIVATE DETAIL S	396	2,560	2,531	3,000	3,000	0
539300	NAT POLLUT DISCH ELIM	54,419	100,372	35,175	115,000	140,000	25,000
542000	OFFICE SUPPLIES	35	248	0	0	0	0
543200	SMALL TOOLS	1,312	2,463	2,100	5,000	2,500	-2,500
548400	VEHICLE REPAIR PARTS	7,836	11,474	9,154	10,000	10,000	0
553000	CONSTRUCTION SUPPLIE	54,932	47,957	39,348	75,000	60,000	-15,000
558100	UNIFORMS/PROTECTIVE	458	465	1,198	1,000	1,200	200
558500	COMPUTER SUPPLIES	814	1,017	0	2,000	2,000	0
571000	VEHICLE USE REIMBURSE	60	105	113	0	0	0
571100	IN-STATE CONFERENCES	420	675	0	750	750	0
573000	DUES & SUBSCRIPTIONS	160	345	250	500	500	0
TOTAL EXPENSES		427,000	393,936	614,501	722,537	852,950	130,413
FRINGE BENEFITS							
57DENT	DENTAL INSURANCE	3,013	2,866	2,853	2,916	3,012	96
57HLTH	HEALTH INSURANCE	77,213	70,294	71,032	79,302	92,669	13,367
57LIFE	BASIC LIFE INSURANCE	319	217	241	285	285	0
57MEDA	MEDICARE PAYROLL TAX	10,460	9,772	8,810	8,890	10,459	1,570
57OPEB	OPEB CONTRIBUTION	2,587	1,573	1,979	7,759	5,605	-2,154
TOTAL FRINGE BENEFITS		93,592	84,722	84,916	99,152	112,031	12,879

CITY OF NEWTON BUDGET DEPARTMENTAL DETAIL
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	ACTUAL 2018	ACTUAL 2019	ACTUAL 2020	ORIGINAL 2021	RECOMMENDED 2022	CHANGE 2021 to 2022
CAPITAL EXPENSES						
585020 CONSTRUCTION EQUIPME	0	60,000	0	0	0	0
586004 STORM DRAINAGE SYSTE	0	21,155	111,400	0	75,000	75,000
TOTAL CAPITAL EXPENSES	0	81,155	111,400	0	75,000	75,000
TOTAL STORM WATER SYSTEM MAINT.	1,310,088	1,256,626	1,454,088	1,637,869	1,861,311	223,442
62B40117 - FLOWED MEADOW PUMP STATN						
EXPENSES						
530203 ENGINEERING SERVICES	22,500	0	0	0	0	0
TOTAL EXPENSES	22,500	0	0	0	0	0
TOTAL FLOWED MEADOW PUMP STAT	22,500	0	0	0	0	0
62B40119 - BULLOUGHS POND PH 2						
EXPENSES						
530203 ENGINEERING SERVICES	0	0	11,000	0	0	0
TOTAL EXPENSES	0	0	11,000	0	0	0
TOTAL BULLOUGHS POND PH 2	0	0	11,000	0	0	0
TOTAL PUBLIC WORKS	1,332,588	1,256,626	1,465,088	1,637,869	1,861,311	223,442

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	HY08-27	FY 2021	1.00	99,392	
	ROSE, MARIA	9/9/2004	16.81	1,000	0	0	0	HY08-30	FY 2022	1.00	103,932	
Account Totals:							0		FY 2021	1.00	99,392	
					1,000	0	0		FY 2022	1.00	103,932	
511002	WORKING FOREMAN	12/18/2000					0	TM09-08	FY 2021	1.00	67,735	
	CARRESI, PATRICK	12/18/2000	20.54	1,687	0	1,000	0	TM09-08	FY 2022	1.00	67,735	
	WORKING FOREMAN	10/6/2003					0	TM09-08	FY 2021	1.00	67,735	
	WHOOTEN, MARK	10/6/2003	17.74	1,350	0	1,000	0	TM09-08	FY 2022	1.00	67,735	
	WF VIDEO PIPELINE INSP	11/21/2016					0	TM09-06	FY 2021	0.50	30,879	
	BRISSON, MOSES	11/21/2016	4.61	231	1,160	250	0	TM09-07	FY 2022	0.50	30,875	
	SHMEO CDL CLASS A	6/2/2009					0	TM07-08	FY 2021	1.00	63,955	
	LEBLANC, DONALD	6/2/2009	12.08	1,115	0	1,000	0	TM07-08	FY 2022	1.00	63,955	
	SHMEO						0	TM06-04	FY 2021	1.00	53,603	
	VACANT		0	0	0	1,000	0	TM06-05	FY 2022	1.00	55,395	
	HMEO/MASON/CURBSETTER	5/13/2002					0	TM05-08	FY 2021	1.00	60,343	
	DECARO, ANTONIO	5/13/2002	19.13	1,503	0	1,000	0	TM05-08	FY 2022	1.00	60,343	
	HMEO/MASON/CURBSETTER						0	TM05-01	FY 2021	1.00	46,270	
	DONOVAN, MICHAEL	10/12/2020	0	0	0	1,000	0	TM05-02	FY 2022	1.00	47,836	
	WATER SYSTEM CRAFT/HMEO						0	TM05-06	FY 2021	0.50	27,464	
	VACANT		0	0	0	250	0	TM05-07	FY 2022	0.50	27,460	
	WATER SYSTEM CRAFT/HMEO	5/22/2006					0	TM05-08	FY 2021	1.00	60,343	
	MARINI, ALESSANDRO	5/22/2006	15.11	1,202	0	1,000	0	TM05-08	FY 2022	1.00	60,343	
	HMEO	1/15/2014					0	TM04-08	FY 2021	1.00	56,928	
	CONSERVA, WILLIAM	1/15/2014	7.46	876	2,238	1,000	0	TM04-08	FY 2022	1.00	58,610	
	HMEO	9/29/2014					0	TM04-07	FY 2021	1.00	54,755	
	LOGAN, DANIEL	9/29/2014	6.76	863	2,207	1,000	0	TM04-08	FY 2022	1.00	57,784	
Account Totals:							0		FY 2021	10.00	590,010	
					8,826	5,605	9,500		FY 2022	10.00	598,072	
TOTAL STORM WATER SYSTEM MAINT.							0		FY 2021	11.00	689,402	
							9,826	5,605	9,500	FY 2022	11.00	702,004
TOTAL PUBLIC WORKS							0		FY 2021	11.00	689,402	
							9,826	5,605	9,500	FY 2022	11.00	702,004