

Capital Recommendations and Funding Sources

Section 2

**Capital Recommendations and Funding Sources
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**FY2017
Capital Budget
Funding Recommendations**

Title	Code**	Submitting Department	2017 Department Request	Cash Capital	Debt	Operating Budget Expense	Hold	Note	Page
Fuel Island Relocation and Upgrade	PM	DPW/Garage	131,000	131,000					4-38
Permanent Message Boards	PM	DPW/Highway	72,000				72,000	Defer until 2018	3-42
Public Works Infrastructure Program	R	DPW/Highway	1,700,000	950,000	750,000				5-05
Replace 2004 UTILITY TRAILER (T-120)*	R	DPW/Highway	23,031	23,031					3-52
Replace 2007 INTERNATIONAL 7400 (U-47)*	R	DPW/Highway	223,109	223,109					3-52
Replace 2009 FORD F550 Dump Truck (U-70)*	R	DPW/Parks	68,363	68,363					3-52
Replace 2009 FORD F550 Dump Truck (U-71)*	R	DPW/Parks	68,363	68,363					3-52
Network Hardware, Servers & Switches	RQ	Finance	30,000			30,000		Move to Operating Budget	3-05
Replace 2008 FORD EXPLORER (C-3)*	R	Fire	46,119	46,119					3-52
Replace 2010 FORD EXPEDITION (C-2)*	R	Fire	56,635	56,635					3-52
Replace 2013 Ford Explorer (C-43)*	R	Fire	35,123	35,123					3-52
Replace 2004 Ford E350 VAN*	R	Human Services/C	87,353	87,353				Article 36 of 2011 ATM (COA Bus) \$52,000	3-52
Memorial Park Buildings and Grounds Feasibility Study	PM	Parks & Recreation	50,000	50,000					4-46
Police and Fire Department Expansion/ New Building Feasibility Study	PM	Police	90,000	90,000					4-01
Bubbler Replacements	NQ	Public Facilities	25,000			25,000		Move to Operating Budget	3-38
DPW Boiler Replacement 470 Dedham Avenue	PM	Public Facilities	384,850				384,850	On hold until the study is completed.	4-22

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Title	Code**	Submitting Department	2017 Department Request	Cash Capital	Debt	Operating Budget Expense	Hold	Note	Page
Energy Efficiency Upgrade Improvements	P	Public Facilities	38,154	38,154					4-26
Pollard Locker Replacement	N	Public Facilities	41,157	41,157					4-36
Replace 2006 Ford Econ Van E250 (U-706)*	R	Public Facilities	35,073	35,073					3-52
Copier Replacement	R	Public Schools	39,330	39,330					3-30
Furniture	R	Public Schools	45,000	45,000					3-33
Production Center Postage Machine	PQ	Public Schools	16,770			16,770		Move to Operating Budget	3-25
Technology Replacement	RM	Public Schools	648,450	307,750		340,700		The balance (\$340,700) of the request qualifies as an operating budget expense.	3-35
High School A Gym Upgrade	PM	Public Schools	130,557	130,557					4-30
High School Classroom Expansion Alternatives Feasibility Study	N	Public Schools	50,000	50,000					4-07
Hillside School Option C3: New Building Hillside Site	PM	Public Schools	69,047,000				69,047,000	On hold until decisions are made by MSBA and various boards; funding would be a debt exclusion.	4-05
General Fund			73,182,437	2,516,117	750,000	412,470	69,503,850		

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Title	Code**	Submitting Department	2017 Department Request	Cash Capital	Debt	Operating Budget Expense	Hold	Note	Page
Athletic Facility and Public Recreation Improvements	PM	DPW	490,500	490,500					5-01
Drain System Improvements - Water Quality (EPA)	PM	DPW	118,000	118,000					5-03
Open Space Purchase	P	Parks & Recreation	1,000,000				1,000,000	No property has been identified for immediate purchase.	4-42
Renovations to Rosemary Pool Complex	PM	Parks & Recreation	550,000	550,000					4-44
Community Preservation Fund			2,158,500	1,158,500			1,000,000		
Refurbish Unit #5 - Swap-loader with Attachments	N	DPW/RTS	120,000	120,000					3-48
RTS Property Improvements	N	DPW/RTS	68,000	68,000					4-48
RTS Stormwater Plan	N	DPW/RTS	50,000	50,000				Article 42 of 2007 ATM (Drop Off Area Repairs) \$22,073	4-50
Replace 2008 CASE LOADER 821E*^	R	DPW/RTS	263,414		269,000				3-52
Recycling and Transfer Station Enterprise Fund			501,414	238,000	269,000				
Sewer Main Extension Zone I and II	M	DPW/Sewer	73,860	73,860				Article 69 of 2006 ATM (Sewer Education) \$10,335	5-21
Sewer Enterprise Fund			73,860	73,860					

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Title	Code**	Submitting Department	2017 Department Request	Cash Capital	Debt	Operating Budget Expense	Hold	Note	Page
Fire Flow Improvement Study	PM	DPW/Water	20,000	20,000					5-31
Service Connections	R	DPW/Water	200,000	200,000					5-37
Water System Rehabilitation	P	DPW/Water	82,000	82,000					5-42
Replace 2011 Ford F150*	R	DPW/Water	43,679	43,679					3-52
Water Enterprise Fund			345,679	345,679					
Total			76,261,890	4,332,156	1,019,000	412,470	70,503,850		

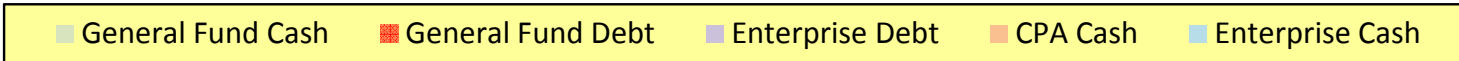
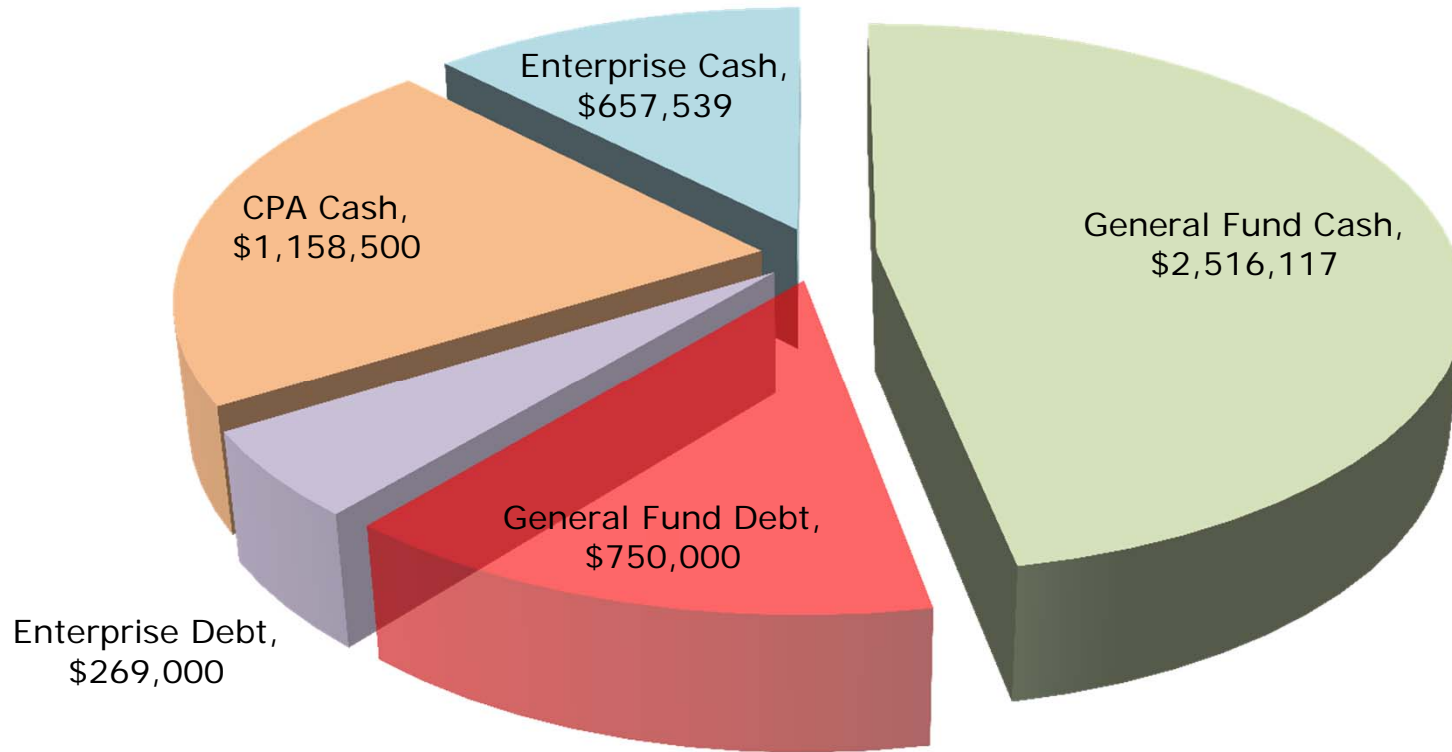
* The fleet requests were scaled back to just those vehicles which need to be replaced with new equipment.

^ Funding recommendation includes allowance for debt issuance

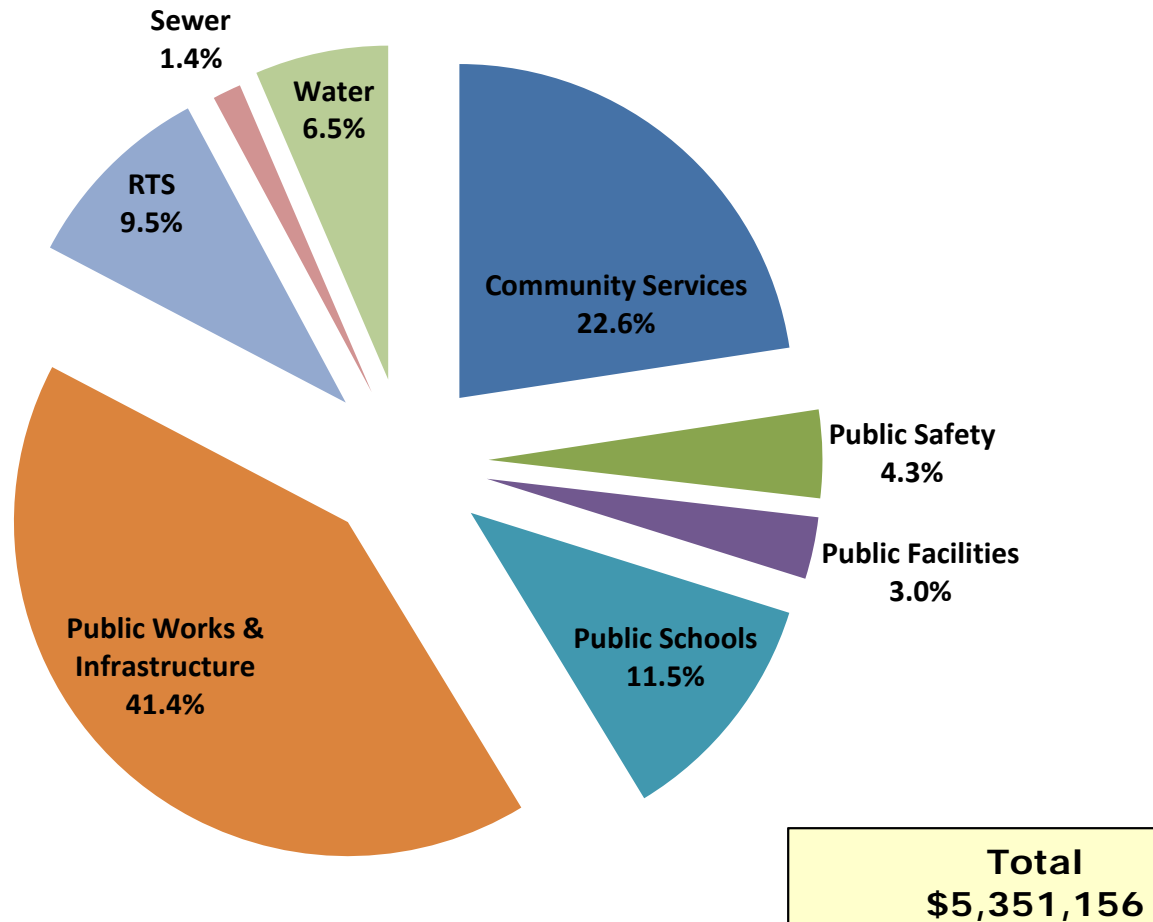
**** Code**

- B = Transfer request and possible funding to operating budget
- C = Recommendation is combined with other requests
- D = Recommendation is deferred or on hold pending other actions.
- E = Emergency approval
- F = Funded appropriation outside the capital plan
- I = Project submission is incomplete or waiting additional information.
- M = Submission has been modified
- N = New submission with this CIP.
- O = Request does not qualify as capital, should be considered under the operating budget/special warrant article
- P = Project request has appeared in previous CIP's.
- Q = Request does not qualify as a capital submission
- R = Request is a regularly occurring capital expense.
- S = No recommendation; under study
- U = Urgent request based on identified conditions
- Y = Funded

FY2017 Proposed Capital by Funding Source



FY2017 Proposed Capital by Function



Town of Needham
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**Five Year Capital Improvement Plan
Preliminary Tier One Recommendations - All Funding Sources
FY2017 - FY2021**

Title	Code*	Function	Cat*	2017 Department Request	Tier One Recommendation	2018 Department Request	Tier One Recommendation	2019 Department Request	Tier One Recommendation	2020 Department Request	Tier One Recommendation	2021 Department Request	Tier One Recommendation	Five Year Request	Five Year Tier One	Cash	Debt	Other	Page
General Fund/Community Preservation Fund																			
Accounting and Revenue Software Package Replacement	N	General	1									1,100,000	1,100,000	1,100,000	1,100,000	1,100,000			3-01
Center at the Heights Computer Lab	P	Community	1						50,000	50,000				50,000	50,000	50,000			3-03
Network Hardware, Servers & Switches	R	General	1	30,000		50,000	25,000	75,000	35,000	75,000	45,000	75,000	45,000	305,000	150,000	150,000			3-05
Non-Public Safety Data Center Servers and Storage Units	NS	General	1			145,000		180,000						325,000					3-07
Public Safety Data Center Servers and Storage Units	NS	Public Safety	1					30,000				60,000		90,000					3-09
Public Safety Mobile Devices	PM	Public Safety	1					35,000	35,000	35,000	35,000			70,000	70,000	70,000			3-11
Multi-Function Printer Devices	N	General	1									35,600	35,600	35,600	35,600	35,600			3-15
Police Cruiser Radio Replacement	PM	Public Safety	1					70,911	70,911					70,911	70,911	70,911			3-17
Firearm Replacement	PM	Public Safety	1							30,160	30,160			30,160	30,160	30,160			3-19
Police Use-Of-Force Training Simulator	N	Public Safety	1									45,000	45,000	45,000	45,000	45,000			3-21
High School Athletic Locker Reconfiguration & Addition	N	Schools	1			41,000	41,000							41,000	41,000	41,000			3-23
Production Center Postage Machine	QB	Schools	1	16,770										16,770					3-25
School Document Management System	N	Schools	1							106,400		72,400	178,800	178,800	178,800	178,800			3-27
School Copier Replacement	MR	Schools	1	39,330	39,330	75,460	75,460	60,510	60,510	52,780	52,780	89,010	89,010	317,090	317,090	317,090			3-30
School Furniture	R	Schools	1	45,000	45,000	45,000	45,000	44,806	44,806	25,000	25,000	45,000	45,000	204,806	204,806	204,806			3-33
School Technology Replacement	BMR	Schools	1	648,450	307,750	645,375	307,925	645,200	282,500	649,700	347,500	649,500	177,050	3,238,225	1,422,725	1,422,725			3-35
Bubbler Replacement Program	NB	Facilities	1	25,000		25,000								50,000					3-38
Specialty Equipment	M	Public Works	1			30,000	30,000	76,500	76,500	73,000	73,000	163,000	163,000	342,500	342,500	342,500			3-40
Permanent Message Boards	PM	General	1	72,000		75,000	147,000	39,000	39,000					186,000	186,000	186,000			3-42
Library RFID Conversion Project	PS	Community	1			41,525		58,675						100,200					3-44
Public Playgrounds	PS	Community	1							600,000				600,000					3-46
Police and Fire Department Expansion/ New Building Feasibility Study	PM	Public Safety	2	90,000	90,000									90,000	90,000	90,000			4-01
Police/Fire Site Option 3- Stand Alone	PX	Public Safety	2							39,228,453				39,228,453					4-03
Hillside School Option J3: New Elementary School at Central Avenue Site	MX	Schools	2	69,047,000										69,047,000					4-05

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FY2017 - FY2021**

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High School Classroom Expansion Alternatives Feasibility Study	N	Schools	2	50,000	50,000									50,000	50,000	50,000			4-07
High School Classroom Expansion	NSX	Schools	2			5,546,200								5,546,200					4-09
Renovate/Reconstruct Emery Grover Building at Highland Avenue Location	PMX	Schools	2						1,410,600			12,463,200		13,873,800					4-14
Relocate School Administration to Public Safety Administration Building (PSAB)	PMX	Schools	2									1,118,200		1,118,200					4-17
Pollard Modular for Full-Day Kindergarten	NS	Schools	2			50,000								50,000					4-20
DPW Boiler Replacement 470 Dedham Avenue	MS	Facilities	2	384,850										384,850					4-22
Emery Grover Window Replacement	NS	Schools	2			249,350								249,350					4-24
Energy Efficiency Upgrade Improvements	PM	Facilities	2	38,154	38,154	34,263	34,263	26,593	26,593					99,010	99,010	99,010			4-26
Facility Assessment on the Broadmeadow and Eliot	N	Schools	2					85,165					85,165	85,165	85,165	85,165			4-28
High School A Gym Upgrade	M	Schools	2	130,557	130,557	182,000	182,000	64,000	64,000	30,000	30,000			406,557	406,557	406,557			4-30
High School Boiler Replacement	NS	Schools	2							840,000				840,000					4-32
Pollard Blue & Green Gym Upgrades	M	Schools	2			440,000	440,000	269,000	269,000	30,000	30,000			739,000	739,000	739,000			4-34
Pollard Locker Replacement	N	Schools	2	41,157	41,157									41,157	41,157	41,157			4-36
Fuel Island Relocation and Upgrade	M	Public Works	2	131,000	131,000	870,000	870,000							1,001,000	1,001,000	131,000	870,000		4-38
Cricket Field Building Renovations	MS	Community	2					735,000						735,000					4-40
Rosemary Pool Complex Renovations	PMX	Community	2	550,000	550,000	9,600,000								10,150,000	550,000			550,000	4-44
Memorial Park Buildings and Grounds Improvements	PM	Community	2	50,000	50,000									50,000	50,000	50,000			4-46
Athletic Facility and Public Recreation Improvements	PM	Community	3	490,500	490,500	285,000	285,000	570,000	207,000	2,500,000	2,500,000	450,000		4,295,500	3,482,500			3,482,500	5-01
Drain System Improvements – Water Quality (EPA)	M	Public Works	3	118,000	118,000	2,000,000		118,000		250,000		1,000,000		3,486,000	118,000			118,000	5-03
Public Works Infrastructure Program	M	Public Works	3	1,700,000	1,700,000	1,550,000	1,300,000	1,650,000	1,300,000	1,700,000	1,300,000	2,125,000	1,300,000	8,725,000	6,900,000	5,400,000	1,500,000		5-05
Town Common Redesign	PM	Community	3			580,000	580,000							580,000	580,000			580,000	5-10
Athletic Fields Master Plan	N	Community	3									75,000		75,000					5-12
Trail Improvement Project - Rosemary Camp	M	Community	3			9,200	9,200	67,000	67,000	98,500	98,500			174,700	174,700			174,700	5-19
Open Space Purchase	I	Community	3	1,000,000										1,000,000					4-42

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**Five Year Capital Improvement Plan
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FY2017 - FY2021**

Title	Code*	Function	Cat*	2017 Department Request	Tier One Recommendatio n	2018 Department Request	Tier One Recommendatio n	2019 Department Request	Tier One Recommendatio n	2020 Department Request	Tier One Recommendatio n	2021 Department Request	Tier One Recommendatio n	Five Year Request	Five Year Tier One	Cash	Debt	Other	Page
Trail Improvement Project - Needham Reservoir and Ridge Hill Loop	M	Community	3			1,200,000								1,200,000					5-16

* Refer to the last page for code and cat (category) descriptions

Equipment and Technology				876,550	392,080	1,173,360	671,385	1,315,602	644,227	1,697,040	658,440	2,334,510	1,878,460	7,397,062	4,244,592	4,244,592			
Buildings & Facilities				70,512,718	1,080,868	16,971,813	1,526,263	1,179,758	359,593	41,539,053	60,000	13,581,400	85,165	143,784,742	3,111,889	1,691,889	870,000	550,000	
Infrastructure & Land				3,308,500	2,308,500	5,624,200	2,174,200	2,405,000	1,574,000	4,548,500	3,898,500	3,650,000	1,300,000	19,536,200	11,255,200	5,400,000	1,500,000	4,355,200	
Fleet				643,169	643,169	1,255,825	690,000	1,140,480	1,387,661	461,893	690,000	1,317,585		4,818,952	3,410,830	2,712,830	698,000		
Totals				75,340,937	4,424,617	25,025,198	5,061,848	6,040,840	3,965,481	48,246,486	5,306,940	20,883,495	3,263,625	175,536,956	22,022,511	14,049,311	3,068,000	4,905,200	
General Fund Cash Funding - All Groups					2,516,117		2,817,648		2,743,481		2,708,440		3,263,625		14,049,311				
General Fund Debt Funding - All Groups					750,000		1,370,000		948,000						3,068,000				
Other Financial Source - All Groups					1,158,500		874,200		274,000		2,598,500				4,905,200				
Total General Fund Tier One Recommended					4,424,617		5,061,848		3,965,481		5,306,940		3,263,625		22,022,511				

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FY2017 - FY2021**

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Recycling and Transfer Station Enterprise																			
Refurbish Unit #5 - Swap loader with Attachments	NS	RTS	1	120,000	120,000									120,000	120,000	120,000			3-48
RTS Property Improvements	NU	RTS	2	68,000	68,000	250,000	250,000							318,000	318,000	68,000	250,000		4-48
RTS Stormwater Plan	NU	RTS	2	50,000	50,000	125,000	125,000							175,000	175,000	175,000			4-50

* Refer to the last page for code and cat (category) descriptions

Equipment and Technology		120,000	120,000											120,000	120,000	120,000			
Buildings & Facilities		118,000	118,000	375,000	375,000									493,000	493,000	243,000	250,000		
Infrastructure & Land																			
Fleet		263,414	269,000					282,176	288,000	247,365	247,365	256,023		1,048,978	804,365	247,365	557,000		
Total - Recycling and Transfer Station Enterprise		501,414	507,000	375,000	375,000	282,176	288,000	247,365	247,365	256,023				1,661,978	1,417,365	610,365	807,000		
Cash Funding			238,000			125,000				247,365					610,365				
Debt Funding			269,000			250,000		288,000							807,000				
Other Financial Source																			
Total - Recycling and Transfer Station Enterprise			507,000			375,000		288,000		247,365				1,417,365					

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Title	Code*	Function	Cat*	2017 Department Request	Tier One Recommendatio n	2018 Department Request	Tier One Recommendatio n	2019 Department Request	Tier One Recommendatio n	2020 Department Request	Tier One Recommendatio n	2021 Department Request	Tier One Recommendatio n	Five Year Request	Five Year Tier One	Cash	Debt	Other	Page
Sewer Enterprise Fund																			
Sewer Main Extension Zone I and II	M	Sewer	3	73,860	73,860	492,400	492,400							566,260	566,260	566,260			5-21
Sewer Main Replacements	MS	Sewer	3							100,000		500,000		600,000					5-23
Sewer Pump Station Improvements	M	Sewer	3			590,000	590,000			630,000	630,000	345,000		1,565,000	1,220,000		1,220,000		5-25
Sewer Service Connections	R	Sewer	3			50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	200,000	200,000	200,000			5-27

* Refer to the last page for code and cat (category) descriptions

Equipment and Technology																			
Buildings & Facilities																			
Infrastructure & Land				73,860	73,860	1,132,400	1,132,400	50,000	50,000	780,000	680,000	895,000	50,000	2,931,260	1,986,260	766,260	1,220,000		
Fleet						56,054	56,054	537,997	537,997	1,034,218	786,853			1,628,269	1,380,904	1,380,904			
Total - Sewer Enterprise				73,860	73,860	1,188,454	1,188,454	587,997	587,997	1,814,218	1,466,853	895,000	50,000	4,559,529	3,367,164	2,147,164	1,220,000		
Cash Funding				73,860		598,454		587,997		836,853		50,000		2,147,164					
Debt Funding						590,000				630,000				1,220,000					
Other Financial Source																			
Total - Sewer Enterprise				73,860		1,188,454		587,997		1,466,853		50,000		3,367,164					

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**Five Year Capital Improvement Plan
Preliminary Tier One Recommendations - All Funding Sources
FY2017 - FY2021**

Title	Code*	Function	Cat*	2017 Department Request	Tier One Recommendatio n	2018 Department Request	Tier One Recommendatio n	2019 Department Request	Tier One Recommendatio n	2020 Department Request	Tier One Recommendatio n	2021 Department Request	Tier One Recommendatio n	Five Year Request	Five Year Tier One	Cash	Debt	Other	Page
Water Enterprise Fund																			
Water Specialty Equipment	NS	Water	1			111,000								111,000					3-50
Birds Hill Water Tank	NS	Water	3					200,000						200,000					5-29
Fire Flow Improvement Study	N	Water	3	20,000	20,000									20,000	20,000	20,000			5-31
Fire Flow Improvements	M	Water	3			504,000		2,239,000						2,743,000					5-33
Water Main Replacements	PM	Water	3			400,000	400,000			4,000,000	4,000,000			4,400,000	4,400,000	400,000	4,000,000		5-35
Water Service Connections	R	Water	3	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000	1,000,000	1,000,000			5-37
Water Distribution Study	NO	Water	3							200,000				200,000					5-39
Water System Rehabilitation Program	R	Water	3	82,000	82,000	801,750	399,750	36,500	36,500	375,000	375,000	97,000	97,000	1,392,250	990,250	990,250			5-42

* Refer to the last page for code and cat (category) descriptions

Equipment and Technology						111,000								111,000					
Buildings & Facilities																			
Infrastructure & Land				302,000	302,000	1,905,750	999,750	2,675,500	236,500	4,775,000	4,575,000	297,000	297,000	9,955,250	6,410,250	2,410,250	4,000,000		
Fleet				43,679	43,679	126,810	126,810	305,341	305,341	45,469	45,469	35,063	35,063	556,362	556,362	556,362			
Total - Water Enterprise				345,679	345,679	2,143,560	1,126,560	2,980,841	541,841	4,820,469	4,620,469	332,063	332,063	10,622,612	6,966,612	2,966,612	4,000,000		
Cash Funding					345,679		1,126,560		541,841		620,469		332,063		2,966,612				
Debt Funding											4,000,000				4,000,000				
Other Financial Source																			
Total - Water Enterprise					345,679		1,126,560		541,841		4,620,469		332,063		6,966,612				

Town of Needham
Capital Improvement Plan
January 2016

**Five Year Capital Improvement Plan
Preliminary Tier One Recommendations - All Funding Sources
FY2017 - FY2021**

Title	Code*	Function	Cat*	2017 Department Request	Tier One Recommendation	2018 Department Request	Tier One Recommendation	2019 Department Request	Tier One Recommendation	2020 Department Request	Tier One Recommendation	2021 Department Request	Tier One Recommendation	Five Year Request	Five Year Tier One	Cash	Debt	Other	Page
General Fleet Program																			
Core Fleet - Building	R	Public Safety	4																3-52
Core Fleet - DPF	R	Facilities	4	35,073	35,073	36,301				36,000		91,557		198,931	35,073	35,073			3-52
Core Fleet - DPW Garage	R	Public Works	4			33,606								33,606					3-52
Core Fleet - DPW General	R	Public Works	4			125,339		38,385				35,063		198,787					3-52
Core Fleet - DPW Highway	R	Public Works	4			45,208		93,581				35,063		173,852					3-52
Core Fleet - DPW Parks	R	Public Works	4									122,446		122,446					3-52
Core Fleet - Finance Assessing	R	General	4			35,758								35,758					3-52
Core Fleet - Fire	R	Public Safety	4	137,877	137,877					42,504		121,973		302,354	137,877	137,877			3-52
Core Fleet - Human Services	R	Community	4	87,353	87,353									87,353	87,353	87,353			3-52
Core Fleet - School	RS	School	4																3-52
School Van Fleet	RS	School	4			109,749		52,220		54,048		81,122		297,139					3-52
Snow and Ice Equipment	R	Public Works	4			355,400		185,948				295,916		837,264					3-52
Specialized Equipment - DPW Garage	R	Public Works	4			64,097								64,097					3-52
Specialized Equipment - DPW General	R	Public Works	4																3-52
Specialized Equipment - DPW Highway	R	Public Works	4	246,140	246,140	214,374				247,365		313,447		1,021,326	246,140	246,140			3-52
Specialized Equipment - DPW Parks	R	Public Works	4	136,726	136,726	5,491		80,685		81,976		220,998		525,876	136,726	136,726			3-52
Specialized Equipment - Fire	R	Public Safety	4			230,502		689,661	698,000					920,163	698,000		698,000		3-52
Fleet Program Funding***							690,000		689,661		690,000				2,069,661	2,069,661			
Total - General Fund Fleet				643,169	643,169	1,255,825	690,000	1,140,480	1,387,661	461,893	690,000	1,317,585		4,818,952	3,410,830	2,712,830	698,000		
Cash Funding				643,169	643,169	1,255,825	690,000	1,140,480	689,661	461,893	690,000	1,317,585		3,501,367	2,712,830				
Debt Funding									698,000						698,000				
Other Financial Source																			
Total - General Fund Fleet				643,169	643,169	1,255,825	690,000	1,140,480	1,387,661	461,893	690,000	1,317,585		3,501,367	3,410,830				

Town of Needham
Capital Improvement Plan
January 2016

**Five Year Capital Improvement Plan
Preliminary Tier One Recommendations - All Funding Sources
FY2017 - FY2021**

Title	Code*	Function	Cat*	2017 Department Request	Tier One Recommendatio n	2018 Department Request	Tier One Recommendatio n	2019 Department Request	Tier One Recommendatio n	2020 Department Request	Tier One Recommendatio n	2021 Department Request	Tier One Recommendatio n	Five Year Request	Five Year Tier One	Cash	Debt	Other	Page
Enterprise Fleet Program																			
Core Fleet	R	RTS	4																3-52
Specialized Equipment	R	RTS	4	263,414	269,000			282,176	288,000	247,365	247,365	256,023		1,048,978	804,365	247,365	557,000		3-52
Core Fleet	R	Sewer	4					38,385	38,385	48,428	48,428			86,813	86,813	86,813			3-52
Specialized Equipment	R	Sewer	4			56,054	56,054	499,612	499,612	985,790	738,425			1,541,456	1,294,091	1,294,091			3-52
Core Fleet	R	Water	4	43,679	43,679	56,054	56,054					35,063	35,063	134,796	134,796	134,796			3-52
Specialized Equipment	R	Water	4			70,756	70,756	305,341	305,341	45,469	45,469			421,566	421,566	421,566			3-52
Total - Enterprise Fleet***				307,093	312,679	182,864	182,864	1,125,514	1,131,338	1,327,052	1,079,687	291,086	35,063	3,233,609	2,741,631	2,184,631	557,000		

Town of Needham
Capital Improvement Plan
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**Five Year Capital Improvement Plan
Preliminary Tier One Recommendations - All Funding Sources
FY2017 - FY2021**

Title	Code*	Function	Cat*	2017 Department Request	Tier One Recommendatio n	2018 Department Request	Tier One Recommendatio n	2019 Department Request	Tier One Recommendatio n	2020 Department Request	Tier One Recommendatio n	2021 Department Request	Tier One Recommendatio n	Five Year Request	Five Year Tier One	Cash	Debt	Other	Page
Equipment & Technology - All				996,550	512,080	1,284,360	671,385	1,315,602	644,227	1,697,040	658,440	2,334,510	1,878,460	7,628,062	4,364,592	4,364,592			
Fleet - All				950,262	955,848	1,438,689	872,864	2,265,994	2,518,999	1,788,945	1,769,687	1,608,671	35,063	8,052,561	6,152,461	4,897,461	1,255,000		
Buildings & Facilities - All				70,630,718	1,198,868	17,346,813	1,901,263	1,179,758	359,593	41,539,053	60,000	13,581,400	85,165	144,277,742	3,604,889	1,934,889	1,120,000	550,000	
Infrastructure & Land - All				3,684,360	2,684,360	8,662,350	4,306,350	5,130,500	1,860,500	10,103,500	9,153,500	4,842,000	1,647,000	32,422,710	19,651,710	8,576,510	6,720,000	4,355,200	
Other - All																			
TOTAL				76,261,890	5,351,156	28,732,212	7,751,862	9,891,854	5,383,319	55,128,538	11,641,627	22,366,581	3,645,688	192,381,075	33,773,652	19,773,452	9,095,000	4,905,200	

Town of Needham
Capital Improvement Plan
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**Five Year Capital Improvement Plan
Preliminary Tier One Recommendations - All Funding Sources
FY2017 - FY2021**

Title	Code*	Function	Cat*	2017 Department Request	Tier One Recommendatio n	2018 Department Request	Tier One Recommendatio n	2019 Department Request	Tier One Recommendatio n	2020 Department Request	Tier One Recommendatio n	2021 Department Request	Tier One Recommendatio n	Five Year Request	Five Year Tier One	Cash	Debt	Other	Page
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** Exclusive of any extraordinary capital recommendations

- | | |
|--|-----------------------------|
| Code | Cat (Category) |
| B = Funding may be considered under the operating budget/special warrant article | 1 = Equipment or Technology |
| C = Recommendation is combined with other requests | 2 = Building or Facility |
| D = Recommendation is deferred or on hold pending other actions | 3 = Infrastructure |
| E = Emergency approval | 4 = Fleet |
| F = Funded appropriation outside the capital plan | |
| G = Request may not qualify as capital submission | |
| I = Project submission is incomplete or waiting additional information | |
| M = Submission has been modified from previous submission | |
| N = New submission with this CIP | |
| P = Project request has appeared in previous CIP's | |
| Q = Request does not qualify as a capital submission | |
| R = Request is a regularly occurring capital expense | |
| S = No recommendation; under study | |
| U = Urgent request based on identified conditions | |
| X = Extraordinary Capital Project | |

Red highlighted amounts indicate that all or portion of the funding may be funded by debt if recommended

**Provisional Capital Submissions
 No Recommendation**

Title	Cat*	Function	Target Year	Estimated Cost	Page
Technology Systems and Applications Updates	1	General	2022	\$100,000	3-13
Land Adjacent to Hillside School	2	Schools	2021	Unknown	4-12
Boat Launch on Charles River	2	Community	2018	Unknown	5-14
Town Facilities Security System	2	General	2022	Unknown	6-01
Fire Station II Renovations	2	Public Safety	2018	Unknown	6-03
Hillside School Option XXXX: Sustain Hillside School as Swing Space	2	Schools	2021	Unknown	6-05
Mitchell Elementary School Renovation	2	Schools	2024	\$77,204,100	6-07
Pollard School Improvements	2	Schools	2027	\$62,207,800	6-10
Emery Grover Roof Replacement	2	Schools	2022	\$159,035	6-15
Pollard School Locker Room Improvements	2	Schools	2022	Unknown	6-17
Bridge Repairs	3	Public Works	2018	Unknown	6-19
DeFazio Park Parking Lot & Tot Lot	3	Community	2020	\$10,000,000	6-21
DPW Complex	2	Public Works	2018	Unknown	6-23

**Provisional Capital Submissions
 No Recommendation**

Title	Cat*	Function	Target Year	Estimated Cost	Page
Survey Equipment	1	Public Works	2018	\$28,000	6-25
Time Clock System	1	General	2018	Unknown	6-27
Renovation of Buildings at Camp Property	2	Community	2019	\$250,000	6-29
Transfer Station Renovations and Expansion	2	RTS	2019	\$2,556,000	6-31
Sewer System Infiltration & Inflow Removal	3	Sewer	2018	Unknown	6-33
Irrigation Supply	3	Water	2018	Unknown	6-35
Water Supply Development	3	Water	2021	Unknown	6-37

Cat (Category)
 1 = Equipment or Technology
 2 = Building or Facility
 3 = Infrastructure

Town of Needham
Capital Improvement Plan
January 2016

**General Fund Capital
Current and Prior
Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Current Year Requests						\$73,182,437	\$3,266,117
Cash							
Taxation & Reserves	\$1,703,859	\$3,421,633	\$6,066,941	\$2,667,260	\$2,432,606		\$2,464,117
Other Available Funds	\$163,192	\$2,278,000	\$75,000		\$320,305		\$52,000
Total - Cash	\$1,867,051	\$5,699,633	\$6,141,941	\$2,667,260	\$2,752,911		\$2,516,117
							\$335,994
Debt							
Within the Annual Levy Limit	\$10,754,808	\$3,505,000	\$3,958,000	\$1,700,000	\$5,100,000		\$750,000
Excluded from the Levy Limit					\$7,000,000		
Total - Debt	\$10,754,808	\$3,505,000	\$3,958,000	\$1,700,000	\$12,100,000		\$750,000
Total	\$12,621,859	\$9,204,633	\$10,099,941	\$4,367,260	\$14,852,911	\$73,182,437	\$3,266,117

**General Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Taxation & Reserves							
Document Records Management System	\$90,000						
Public Safety Radio Base Station	\$112,496						
Salt Storage Shed (Design)	\$75,000						
Closed Cab Mower/Blower	\$29,563						
Fleet Replacement - Senior Transport Van	\$52,000						
Library Collection Supplement							
Library Technology Replacement Plan	\$25,000						
Playground Structure Replacement (Walker-Gordon)	\$25,000						
Walker Gordon Facility	\$137,500						
Desktop Virtualization		\$130,000					
Firefighting Protective Gear		\$40,000					
Fleet Replacement - (Fire) Deputy Chief Vehicle (C-3)		\$35,000					
Fleet Replacement - (Fire) Quint		\$750,000					
Emery Grover Renovation/Relocation Feasibility		\$30,000					
DeFazio Field Sodding		\$90,000					
DPW Garage Bay Design		\$40,000					
Fleet Replacement - Large Specialty Equipment		\$227,000					
Athletic Facility Improvements		\$192,500					

Town of Needham
Capital Improvement Plan
January 2016

**General Fund Capital
Current and Prior
Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Election Equipment			\$85,000				
Defibrillators			\$27,500				
Fleet Replacement - Brush/Utility (C-6)			\$49,200				
Police Station Underground Storage Tank Removal			\$28,500				
High School Radio System			\$37,275				
Hillside School Feasibility & Design			\$650,000				
Mitchell School Modular Classrooms			\$2,729,276				
Pollard Telephone System Replacement			\$53,000				
Public Works Garage Vehicle Service Lift			\$110,000				
Public Works Two-Way Radios			\$47,700				
100kW Portable Generator			\$61,250				
Fire Alarm Cables				\$60,000			
Fleet Replacement - Ambulance				\$186,607			
Fleet Replacement - Core (Bldg)			\$45,042	\$61,660			
Public Safety Computer Aided Dispatch System				\$244,615			
Wireless Master Fire Box System				\$164,000			
High School Reconfiguration Work				\$200,000			
School Department 1:1 Initiative			\$145,000	\$127,725			
School Department Fitness Equipment Replacement			\$14,380	\$14,810			

Town of Needham
Capital Improvement Plan
January 2016

**General Fund Capital
Current and Prior
Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
School Department Graphic Arts Equipment		\$14,180	\$8,270	\$8,350			
School Department Interactive Whiteboard Technology		\$148,300		\$24,600			
School Department Postage and Folding Machines				\$9,340			
School Department Technology Innovation				\$25,000			
Geographic Information System				\$100,000			
Public Works Large Format Scanner				\$33,000			
Public Works Small Specialty Equipment	\$64,500	\$42,000	\$130,800	\$29,797			
Facilities Maintenance Program	\$400,000	\$450,000	\$465,750	\$482,000			
Drain System Improvements – Water Quality				\$80,000			
Drain System Repairs				\$76,000			
Mail Processing Machines					\$30,645		
Fleet Replacement - Core (DPW)	\$304,000	\$293,000	\$387,000	\$100,910	\$750,370		
Fleet Replacement - Snow & Ice Equipment	\$165,000	\$159,000	\$210,300		\$326,879		
Fuel System Software/Hardware Upgrade					\$94,500		
Mobile Column Lifts					\$73,500		
Fire Station 2 Feasibility Study					\$37,695		
Network Hardware, Servers & Switches	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	
School Department Furniture & Musical Equipment	\$52,750	\$43,450	\$56,600	\$49,180	\$45,405	\$45,000	\$45,000
School Department Photocopier Replacement	\$66,950	\$97,570	\$59,620	\$30,320	\$62,740	\$39,330	\$39,330

Town of Needham
Capital Improvement Plan
January 2016

**General Fund Capital
Current and Prior
Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
School Department Technology Replacement	\$49,100	\$524,500	\$488,800	\$502,000	\$403,000	\$648,450	\$307,750
Fuel Island Relocation and Upgrade						\$131,000	\$131,000
Public Works Infrastructure Program					\$453,500	\$1,700,000	\$950,000
Building Energy Efficiency Improvements		\$34,815	\$113,078		\$96,323	\$38,154	\$38,154
Fleet Replacement - Core (PFD)	\$25,000	\$50,318	\$33,600	\$27,346	\$28,049	\$35,073	\$35,073
Permanent Message Boards						\$72,000	
Bubbler Replacements						\$25,000	
DPW Boiler Replacement 470 Dedham Avenue						\$384,850	
Fleet Replacement - Core (Fire)						\$137,877	\$137,877
Fleet Replacement - Core (HHS - COA)						\$87,353	\$35,353
Fleet Replacement - Specialty (DPW)						\$382,866	\$382,866
High School A Gym Upgrade						\$130,557	\$130,557
High School Classroom Expansion Alternatives Feasibility Study						\$50,000	\$50,000
Memorial Park Buildings and Grounds Feasibility Study						\$50,000	\$50,000
Police and Fire Department Expansion/ New Building Feasibility Study						\$90,000	\$90,000
Pollard Locker Replacement						\$41,157	\$41,157
Production Center Postage Machine						\$16,770	

**General Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Other Available Funds							
Large Specialty Equipment (FY11 Budget)	\$80,000						
Appropriate for Engineering Study for Energy Upgrades (FY11 Budget & Unexpended Articles)	\$50,000						
Cricket Field Building Renovations Feasibility (Unexpended Articles)	\$10,000						
New Senior Center at Needham Heights (Unexpended Articles)	\$23,192						
Pollard Boiler Replacement Design (unexpended articles)		\$55,000					
Public Works Infrastructure Program (Unexpended Articles)		\$310,000					
Salt Storage Shed (Chapter 90 SAN)		\$1,913,000					
Property Acquisition (66-70 Chestnut Street) (FY14 Reserve Fund Transfer)			\$75,000				
DPW/Public Services Administration Building Location Feasibility Study (Unexpended Articles)					\$40,000		
Emery Grover School Administration Tank Replacement (Unexpended Articles)					\$73,000		
Hillside School Feasibility Study (Unexpended Articles)					\$45,000		
Fire Station 2 Feasibility Study (Unexpended Articles)					\$12,305		
High School Expansion Options (Unexpended Articles)					\$150,000		
Fleet Replacement - Core COA (Unexpended Article)							\$52,000

Town of Needham
Capital Improvement Plan
January 2016

**General Fund Capital
Current and Prior
Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Debt							
Emergency One Fire Engine (E-2)	\$400,000						
High School C Building Roof	\$320,000						
Pollard Interior & Exterior Improvement Phase I	\$758,000						
Booth Street Reconstruction Betterment	\$125,000						
New Senior Center at Needham Heights	\$8,051,808						
Property Acquisition (37-39 Lincoln)		\$630,000					
Property Acquisition (51 Lincoln)		\$1,100,000					
Property Acquisition (59 Lincoln/89 School)		\$1,175,000					
Property Acquisition (66-70 Chestnut Street)			\$1,458,000				
Pollard Boiler Replacement			\$800,000				
DPW Garage Bay			\$1,100,000				
Cooks Bridge				\$900,000	\$2,000,000		
Needham High School Cafeteria Expansion					\$2,100,000		
Public Works Infrastructure Program	\$1,100,000	\$600,000	\$600,000	\$800,000	\$1,000,000		\$750,000

**General Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Debt Exclusions							
Land Purchase for Hillside School Relocation ~						\$7,000,000	
Hillside Elementary School Project ****						\$69,047,000	

Notes

- * Some capital requests that are to be funded through debt did not include debt issuance costs, the proposed funding represents the addition of those expenses
- ** Preliminary may be financed in part by debt exclusion and/or grants and donations
- **** Decisions pending waiting on MSBA approval.
- ^ Subject to final recommendation by the BOS & PPBC
- ~ Planned debt exclusion vote for the fall of 2016

**Community Preservation Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Current Year Requests						\$2,158,500	\$1,158,500
Cash							
Receipts & Reserves		\$480,000	\$433,000	\$268,219	\$3,417,000		\$1,158,500
Other Available Funds							
Total - Cash		\$480,000	\$433,000	\$268,219	\$3,417,000		\$1,158,500
Debt							
CPA Surcharge Supported							
Total - Debt							
Total		\$480,000	\$433,000	\$268,219	\$3,417,000	\$2,158,500	\$1,158,500

**Community Preservation Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Greene's Field Playground Improvements		\$445,000					
Rail Trail Feasibility Study		\$35,000					
Newman Preschool Playground Surfacing			\$60,000				
Trail Improvement Project - Needham Reservoir			\$85,000				
Memorial Park Improvements				\$35,000			
Ridge Hill Reservation Footbridge Repairs				\$213,219			
Town Common Historic Redesign				\$20,000			
Mills Field Improvements			\$40,000		\$510,000		
Newman School Fields Renovation					\$1,527,000		
Open Space Purchase						\$1,000,000	
Renovations to Rosemary Pool Complex ^					\$450,000	\$550,000	\$550,000
Trail Improvement Project - Newman Eastman			\$248,000		\$800,000		
Athletic Facility and Public Recreation Improvements ^						\$490,500	\$490,500
Boat Launch Design					\$30,000		
Rail Trail Improvements					\$100,000		
Drain System Improvements - Water Quality (EPA) ^						\$118,000	\$118,000

Notes

^ Subject to approval by the CPC

**RTS Enterprise Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Current Year Requests						\$501,414	\$507,000
Cash							
Receipts & Reserves		\$175,200	\$108,100	\$321,095			\$215,927
Other Available Funds			\$144,000				\$22,073
Total - Cash		\$175,200	\$252,100	\$321,095			\$238,000
Debt							
Fee Supported	\$238,000	\$400,000	\$324,400				\$269,000
Total - Debt	\$238,000	\$400,000	\$324,400				\$269,000
Total	\$238,000	\$575,200	\$576,500	\$321,095		\$501,414	\$507,000

**RTS Enterprise Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Enterprise Fund Reserves							
Message Board				\$30,000			
Transfer Station Office Trailer				\$75,779			
Fleet Replacement - Specialty Equipment		\$175,200	\$108,100	\$215,316			
Refurbish Unit #5 - Swap-loader with Attachments						\$120,000	\$120,000
RTS Property Improvements						\$68,000	\$68,000
RTS Stormwater Plan						\$50,000	\$27,927
Other Available Funds							
Waste Containers (Unexpended Article Balance)			\$34,000				
Large Specialty Equipment (Unexpanded Article Balance)			\$110,000				
RTS Stormwater Plan (Unexpended Article Balance)							\$22,073
Debt							
Semi Tractor Replacement	\$152,000						
Skid Steer Loader	\$86,000						
RTS Soil Remediation		\$400,000					
Waste Handler			\$324,400				
Specialty Equipment*						\$263,414	\$269,000

Notes
 * Some capital requests that are to be funded through debt did not include debt issuance costs, the proposed funding represents the addition of those expenses
 ** Preliminary may be subsequently financed by Debt Exclusion
 *** Special financing/grants may be available through MWPAT or MWRA for this project

Town of Needham
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Sewer Enterprise Fund Capital
 Current and Prior
 Funding Sources

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Current Year Requests						\$73,860	\$73,860
Cash							
Receipts & Reserves	\$825,000	\$650,100	\$647,900	\$398,000	\$554,357		\$63,525
Other Available Funds		\$197,000			\$116,143		\$10,335
Total - Cash	\$825,000	\$847,100	\$647,900	\$398,000	\$670,500		\$73,860
Debt							
Fee Supported	\$6,300,000						
Total - Debt	\$6,300,000						
Total	\$7,125,000	\$847,100	\$647,900	\$398,000	\$670,500	\$73,860	\$73,860

Town of Needham
 Capital Improvement Plan
 January 2016

**Sewer Enterprise Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Enterprise Fund Reserves							
Fleet Replacement - Specialty Equipment	\$185,000						
Sewer Line Reconstruction		\$3,000					
Fleet Replacement - Core	\$65,000	\$33,100	\$47,900				
Sewer Systems Rehabilitation Infiltration & Inflow Removal Program	\$575,000	\$550,000	\$600,000				
Sewer Pump Station Improvements (West Street)				\$90,000			
Sewer SCADA System		\$30,000		\$258,000			
Sewer Pump Station Improvements (Reservoir A)					\$433,857		
Sewer Service Connections				\$50,000	\$50,000		
Sewer Specialty Equipment		\$34,000			\$70,500		
Sewer Main Extension Zone I and II						\$73,860	\$63,525
Other Available Funds							
Sewer Line Reconstruction (Unexpended Article Balance)		\$197,000					
Sewer Pump Station Improvements (Unexpended Article Balance)					\$116,143		
Sewer Main Extension Zone I and II (Unexpended Article Balance)							\$10,335
Debt							
Sewer Pump Station (Reservoir B)	\$6,300,000						

Notes

* Some capital requests that are to be funded through debt did not include debt issuance costs, the proposed funding represents the addition of those expenses

** Preliminary may be subsequently financed by Debt Exclusion

*** Special financing/grants may be available through MWPAT or MWRA for this project

**Water Enterprise Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Current Year Requests						\$345,679	\$345,679
Cash							
Receipts & Reserves	\$1,464,000	\$416,300	\$1,563,100	\$729,050	\$980,179		\$345,679
Other Available Funds					\$181,925		
Total - Cash	\$1,464,000	\$416,300	\$1,563,100	\$729,050	\$1,162,104		\$345,679
Debt							
Fee Supported			\$5,565,100		\$635,000		
Total - Debt			\$5,565,100		\$635,000		
Total	\$1,464,000	\$416,300	\$7,128,200	\$729,050	\$1,797,104	\$345,679	\$345,679

**Water Enterprise Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Enterprise Fund Reserves							
Water Small Specialty Equipment							
Water System Fire Flow Improvements							
Restoration of Charles River Treatment Facility Well	\$600,000						
Water SCADA System Upgrade & Video Surveillance	\$40,000						
Irrigation Supply Facility Design			\$80,000				
SCADA System Upgrade			\$435,000				
Water Small Specialty Equipment			\$57,300				
Filter Media Replacement	\$70,000		\$115,000	\$238,050			
Mobile Record Keeping Devices GIS					\$35,000		
Water Supply Development				\$200,000	\$700,000		
Fire Flow Improvement Study						\$20,000	\$20,000
Fleet Replacement - Core	\$69,500	\$117,000			\$41,604	\$43,679	\$43,679
Water Service Connections		\$200,000	\$160,000	\$200,000	\$200,000	\$200,000	\$200,000
Water System Rehabilitation Program	\$684,500	\$99,300	\$715,800	\$91,000	\$3,575	\$82,000	\$82,000
Other Available Funds							
Water System Rehabilitation Program (Unexpended Article Balances)					\$181,925		
Debt							
St Mary's Pump Station			\$5,565,100				

**Water Enterprise Fund Capital
 Current and Prior
 Funding Sources**

Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Water System Rehabilitation Program						\$635,000	

Notes

- * Some capital requests that are to be funded through debt did not include debt issuance costs, the proposed funding represents the addition of those expenses
- ** Preliminary may be subsequently financed by Debt Exclusion
- *** Special financing/grants may be available through MWPAT or MWRA for this project
- **** Recommendation is inclusive of two years funding to allow for the Downtown redesign to proceed in a timely manner.

Town of Needham
 Capital Improvement Plan
 January 2016

All Capital Funds							
Funding Sources							
Description	Funded FY2012	Funded FY2013	Funded FY2014	Funded FY2015	Funded FY2016	Requested FY2017	Proposed FY2017
Current Year Requests						\$76,261,890	\$5,351,156
Cash							
Cash	\$1,703,859	\$3,901,633	\$6,499,941	\$2,935,479	\$5,849,606		\$3,622,617
Retained Earnings	\$2,289,000	\$1,241,600	\$2,319,100	\$1,448,145	\$1,534,536		\$625,131
Other Available Funds	\$163,192	\$2,475,000	\$219,000		\$618,373		\$84,408
Total - Cash	\$4,156,051	\$7,618,233	\$9,038,041	\$4,383,624	\$8,002,515		\$4,332,156
Debt							
Operating Revenues	\$17,292,808	\$3,905,000	\$9,847,500	\$1,700,000	\$5,735,000		\$1,019,000
CPA Surcharge							
Debt Excluded					\$7,000,000		
Total - Debt	\$17,292,808	\$3,905,000	\$9,847,500	\$1,700,000	\$12,735,000		\$1,019,000
Total	\$21,448,859	\$11,523,233	\$18,885,541	\$6,083,624	\$20,737,515	\$76,261,890	\$5,351,156

**Debt Service to Revenue
Issued, Authorized and Proposed
FY2017 - FY2021**

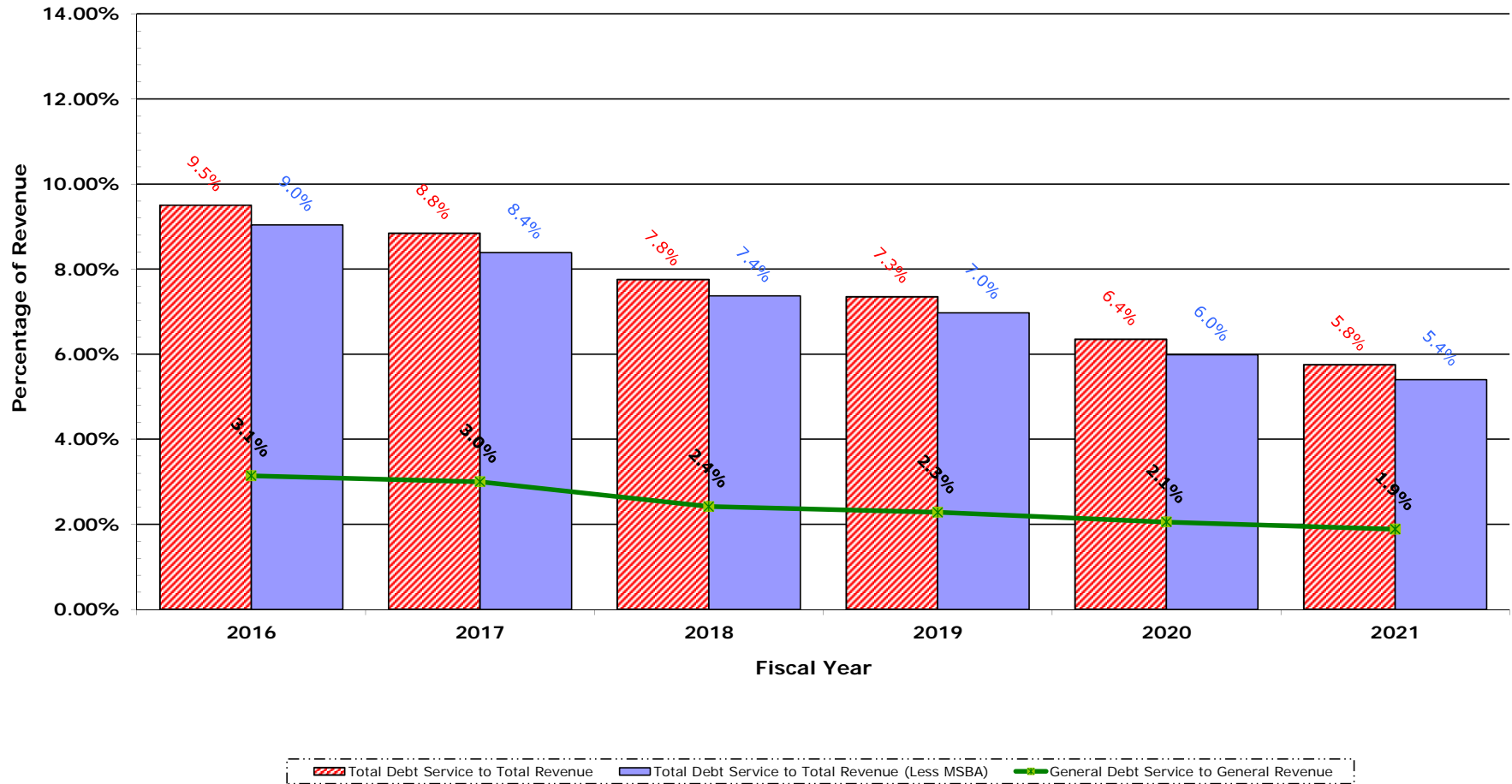
Description	2016	2017	2018	2019	2020	2021
Revenue						
General Fund Within the Levy *	\$131,743,698	\$135,335,715	\$143,867,412	\$150,341,446	\$157,106,811	\$164,176,617
General Fund Excluded from Levy **	\$6,075,282	\$5,856,862	\$5,750,488	\$5,537,491	\$5,296,880	\$4,226,212
CPA Revenue	\$2,630,514	\$2,654,750	\$2,647,512	\$2,748,117	\$2,852,546	\$2,960,943
RTS Revenue	\$942,252	\$962,058	\$982,360	\$1,029,609	\$1,131,518	\$1,129,360
Sewer Revenue	\$7,527,780	\$7,261,405	\$7,358,637	\$7,600,132	\$7,351,658	\$7,635,511
Water Revenue	\$5,469,152	\$5,567,131	\$5,445,903	\$5,528,768	\$5,077,472	\$5,646,894
Total Revenue	\$154,388,678	\$157,637,922	\$166,052,312	\$172,785,563	\$178,816,884	\$185,775,538
Debt Service						
General Debt (Table I)	\$4,139,883	\$4,060,071	\$3,479,282	\$3,429,086	\$3,227,418	\$3,091,765
CPA Debt (Table II)	\$464,438	\$456,313	\$449,163	\$441,494	\$430,525	\$416,675
RTS Debt (Table III)	\$150,000	\$150,000	\$150,000	\$176,440	\$257,020	\$233,000
Sewer Debt (Table IV)	\$1,500,000	\$1,082,931	\$1,025,700	\$1,108,872	\$698,117	\$815,631
Water Debt (Table V)	\$1,550,000	\$1,550,000	\$1,328,344	\$1,308,270	\$751,461	\$1,212,734
Gross Excluded Debt (Table VI)	\$6,869,980	\$6,645,455	\$6,445,636	\$6,232,639	\$5,992,028	\$4,921,360
Total Debt Service	\$14,674,301	\$13,944,769	\$12,878,125	\$12,696,801	\$11,356,569	\$10,691,165
Total Debt Service to Total Revenue	9.5%	8.8%	7.8%	7.3%	6.4%	5.8%
Total Debt Service to Total Revenue (less MSBA)	9.0%	8.4%	7.4%	7.0%	6.0%	5.4%
General Debt Service to General Revenue	3.1%	3.0%	2.4%	2.3%	2.1%	1.9%

* FY2017 - FY2021 revenue is based on the September 15, 2015 Pro Forma

** Excludes Massachusetts School Building Assistance (MSBA) Revenue.

*** Uses net general fund debt excluded figure (or actual debt to be paid by Town after MSBA payment) see table VI.

Debt Service as a Percentage of Revenue



Town of Needham
Capital Improvement Plan
January 2016

Table I
General Fund Capital Projects
Proposed Funding by Debt
FY2017

Project	Amount	Years	Bond Rate	Budget	Estimated Debt Service Schedule				
				2016	2017	2018	2019	2020	2021
General Fund Within the Levy									
Public Works Infrastructure Program	\$750,000	5	6.00%			\$195,000	\$186,000	\$177,000	\$168,000
Public Works Infrastructure Program (2018)	\$500,000	5	6.00%				\$130,000	\$124,000	\$118,000
Public Works Infrastructure Program (2019)	\$250,000	5	6.25%					\$65,625	\$62,500
Fuel Island Relocation(2018)	\$870,000	5	6.00%				\$227,200	\$216,700	\$206,200
Fire Speciality Fleet (2019)	\$698,000	4	6.25%					\$218,625	\$207,688
Rosemary Pool Project (Actual Amount Not Yet Determined)									
Projected New General Fund Debt Service#	\$3,068,000					\$195,000	\$543,200	\$801,950	\$762,388
General Fund Debt									
Authorized & Issued (refer to schedule)				\$3,473,134	\$3,173,327	\$2,452,782	\$2,028,886	\$1,602,968	\$1,541,378
Authorized Not Yet Issued & Short Term Costs Proposed				\$666,749	\$886,744	\$831,500	\$857,000	\$822,500	\$788,000
						\$195,000	\$543,200	\$801,950	\$762,388
Total General Fund Debt Service Within the Levy				\$4,139,883	\$4,060,071	\$3,479,282	\$3,429,086	\$3,227,418	\$3,091,765
General Fund Within the Levy Revenue *				\$131,743,698	\$135,335,715	\$143,867,412	\$150,341,446	\$157,106,811	\$164,176,617
Debt Service % of General Fund Revenue				3.1%	3.0%	2.4%	2.3%	2.1%	1.9%

Table II
CPA Capital Projects
Proposed Funding by Debt
FY2017

Project	Amount	Years	Bond Rate	Budget	Estimated Debt Service Schedule						
				2016	2017	2018	2019	2020	2021		
CPA Fund Debt											
No New Authorizations Proposed for FY2017											
Rosemary Pool Project (Actual Amount Not Yet Determined)											
Projected New CPA Fund Debt Service											
CPA Fund Debt											
Authorized & Issued				\$464,438	\$456,313	\$449,163	\$441,494	\$430,525	\$416,675		
Authorized Not Yet Issued & Short Term Costs Proposed											
Total CPA Fund Debt Service				\$464,438	\$456,313	\$449,163	\$441,494	\$430,525	\$416,675		

Table III
Recycling & Solid Waste Disposal Capital Projects
Proposed Funding by Debt
FY2017

Project	Amount	Years	Bond Rate	Budget	Estimated Debt Service Schedule				
				2016	2017	2018	2019	2020	2021
Recycling & Solid Waste Disposal Enterprise (RTS)									
RTS Speciality Fleet (Loader)	\$269,000	4	6.00%			\$86,140	\$81,940	\$77,740	\$62,540
RTS Speciality Fleet (2019)	\$288,000	4	6.00%					\$89,280	\$84,960
RTS Property Improvements (2018)	\$250,000	5	6.00%				\$65,000	\$62,000	\$59,000
Projected New RTS Debt Service	\$807,000					\$86,140	\$146,940	\$229,020	\$206,500
RTS Enterprise Fund Debt									
Authorized & Issued (refer to schedule)				\$105,000	\$97,775	\$25,500			
Authorized Not Yet Issued & Short Term Costs Proposed				\$45,000	\$52,225	\$38,360	\$29,500	\$28,000	\$26,500
						\$86,140	\$146,940	\$229,020	\$206,500
Total RTS Debt Service				\$150,000	\$150,000	\$150,000	\$176,440	\$257,020	\$233,000

Table IV
Sewer Fund Capital Projects
Proposed Funding by Debt
FY2017

Project	Amount	Years	Bond Rate	Budget	Estimated Debt Service Schedule				
				2016	2017	2018	2019	2020	2021
Sewer Enterprise									
No New Authorizations Proposed for FY2017									
Sewer Pump Station Improvements (2018)	\$590,000	5	6.00%				\$155,400	\$148,200	\$141,000
Sewer Pump Station Improvements (2020)	\$630,000	5	6.25%						\$169,375
Projected New Sewer Debt Service	\$1,220,000						\$155,400	\$148,200	\$310,375
Sewer Enterprise Fund Debt									
Authorized & Issued (refer to schedule)				\$1,083,252	\$1,082,931	\$1,025,700	\$953,472	\$549,917	\$505,256
Authorized Not Yet Issued & Short Term Costs Proposed				\$416,748			\$155,400	\$148,200	\$310,375
Total Sewer Debt Service				\$1,500,000	\$1,082,931	\$1,025,700	\$1,108,872	\$698,117	\$815,631

Table V
Water Fund Capital Projects
Proposed Funding by Debt
FY2017

Project	Amount	Years	Bond Rate	Budget	Estimated Debt Service Schedule					
				2016	2017	2018	2019	2020	2021	
<u>Water Enterprise</u>										
No New Authorizations Proposed for FY2017										
Water Main Replacement (2020)	\$4,000,000	20	7.00%							\$480,000
Projected New Water Debt Service	\$4,000,000									\$480,000
Water Enterprise Fund Debt										
Authorized & Issued (refer to schedule)				\$1,128,551	\$1,101,933	\$1,081,034	\$1,072,150	\$526,531	\$533,994	
Authorized Not Yet Issued & Short Term Costs Proposed				\$421,449	\$448,067	\$247,310	\$236,120	\$224,930	\$198,740	\$480,000
Total Water Debt Service				\$1,550,000	\$1,550,000	\$1,328,344	\$1,308,270	\$751,461	\$1,212,734	

Table VI
Capital Projects
Proposed Funding by Debt Exclusion
FY2017

Project	Amount	Years	Bond Rate	Budget	Estimated Debt Service Schedule					
				2016	2017	2018	2019	2020	2021	
General Fund Debt Excluded										
Hillside School (Actual Amount Not Yet Determined)										
Projected New General Fund Debt Service Excluded										
General Fund Debt Excluded										
Authorized & Issued (refer to schedule)				\$6,869,980	\$6,645,455	\$6,445,636	\$6,232,639	\$5,992,028	\$4,921,360	
Authorized Not Yet Issued & Short Term Costs Proposed										
Total General Fund Excluded Debt Service				\$6,869,980	\$6,645,455	\$6,445,636	\$6,232,639	\$5,992,028	\$4,921,360	
Projected SBA Payments/Other Adjustments				\$794,698	\$788,593	\$695,148	\$695,148	\$695,148	\$695,148	\$695,148
Net General Fund Excluded Debt Service *				\$6,075,282	\$5,856,862	\$5,750,488	\$5,537,491	\$5,296,880	\$4,226,212	

* Before other offsets and credits

**Previously Approved Debt Funded Capital
 Open Authorizations
 Balances Not Yet Issued**

Approved	Project	Authorized	Balance
2009	Water Main Improvements	\$1,900,000	\$74,869
2010	Sewer Pump Station Reservoir B Design	\$577,500	\$5,197
2010	Stormwater Master Plan Drainage Improvements	\$200,000	\$42,000
2012	Senior Center Construction	\$8,051,808	\$33,808
2012	Sewer Pump Station Reservoir B	\$6,300,000	\$187,219
2013	Soil Remediation at RTS	\$400,000	\$158,000
2014	DPW Complex - Garage Bays	\$1,100,000	\$10,000
2014	St Mary's Pumping Station	\$5,565,100	\$965,100
2015	Central Avenue/Elliot Street Bridge	\$900,000	\$650,000
2015	Public Works Infrastructure Program	\$800,000	\$220,000
2016	Central Avenue/Elliot Street Bridge	\$2,000,000	\$2,000,000
2016	High School Cafeteria Construction	\$2,100,000	\$2,100,000
2016	Owens Farm Land Purchase	\$7,000,000	\$7,000,000
2016	Public Works Infrastructure Program	\$1,000,000	\$1,000,000
2016	Water System Rehabilitation Program	\$635,000	\$635,000

**Open Authorizations
Balances Not Yet Issued**

Approved	Project	Authorized	Balance
Total		\$38,529,408	\$15,081,193

The above projects are in various stages of completion and therefore the amount and timing of each Note and Bond issue has not yet been determined. The debt retirement will be structured to fit within the proposed budget allocation shown in the debt tables.

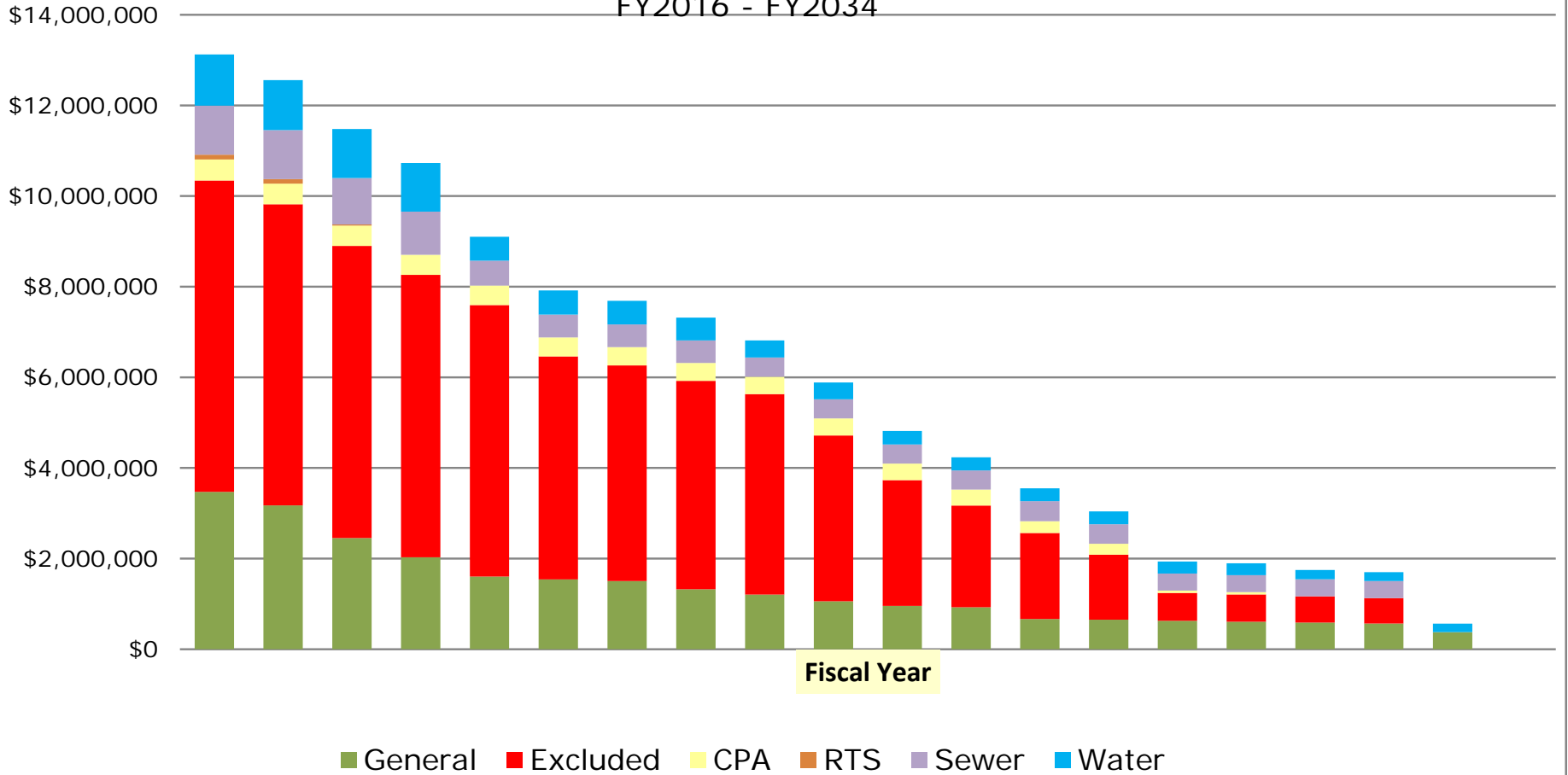
**Town of Needham
 Current Long Term Debt Service Obligations
 Inclusive of the April 2015 Bond Issue**

Fiscal Year	General	Excluded	CPA	RTS	Sewer	Water	Total
2016	\$3,473,133.75	\$6,869,980.00	\$464,437.50	\$105,000.00	\$1,083,252.25	\$1,128,551.30	\$13,124,354.80
2017	\$3,173,327.31	\$6,645,455.00	\$456,312.50	\$97,775.00	\$1,082,930.90	\$1,101,933.11	\$12,557,733.82
2018	\$2,452,781.92	\$6,445,636.25	\$449,162.50	\$25,500.00	\$1,025,700.33	\$1,081,034.09	\$11,479,815.09
2019	\$2,028,886.17	\$6,232,638.75	\$441,493.75		\$953,472.34	\$1,072,149.64	\$10,728,640.65
2020	\$1,602,968.22	\$5,992,027.50	\$430,525.00		\$549,916.96	\$526,531.18	\$9,101,968.86
2021	\$1,541,377.52	\$4,921,360.00	\$416,675.00		\$505,256.32	\$533,993.60	\$7,918,662.44
2022	\$1,503,438.77	\$4,757,817.50	\$405,040.63		\$501,272.93	\$520,993.56	\$7,688,563.39
2023	\$1,323,593.77	\$4,598,137.50	\$395,256.26		\$497,240.95	\$503,022.42	\$7,317,250.90
2024	\$1,205,680.02	\$4,422,945.00	\$384,906.26		\$424,559.50	\$377,413.08	\$6,815,503.86
2025	\$1,058,977.52	\$3,659,085.00	\$374,762.51		\$423,230.66	\$368,595.41	\$5,884,651.10
2026	\$956,002.52	\$2,776,560.00	\$364,681.26		\$421,802.39	\$296,002.26	\$4,815,048.43
2027	\$924,584.39	\$2,245,600.00	\$354,306.26		\$420,276.63	\$289,632.26	\$4,234,399.54
2028	\$667,601.26	\$1,896,217.50	\$259,996.88		\$443,252.24	\$283,785.00	\$3,550,852.88
2029	\$649,915.64	\$1,434,918.75	\$241,637.50		\$430,929.00	\$283,288.06	\$3,040,688.95
2030	\$626,611.27	\$615,257.50	\$51,812.50		\$374,907.65	\$267,663.04	\$1,936,251.96

**Town of Needham
Current Long Term Debt Service Obligations
Inclusive of the April 2015 Bond Issue**

Fiscal Year	General	Excluded	CPA	RTS	Sewer	Water	Total
2031	\$607,438.76	\$600,698.75	\$50,625.00		\$374,987.84	\$261,387.51	\$1,895,137.86
2032	\$587,577.50	\$579,397.50			\$375,070.14	\$206,775.00	\$1,748,820.14
2033	\$567,080.00	\$561,845.00			\$375,154.05	\$195,650.00	\$1,699,729.05
2034	\$377,800.00					\$184,600.00	\$562,400.00
2035							

Current Total Annual Long Term Debt Service By Category FY2016 - FY2034



Town of Needham
Capital Improvement Plan
January 2016

Town of Needham Schedule of Issued Long Term Debt Service

Project	TM Vote	Amount Issued	Final Maturity	Average Rate	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service
					2016	2017	2018	2019	2020	2021	2022 - 2026	After 2026
Central Ave & Elliot Street Bridge Design	14-May-14	\$250,000	15-Nov-18	3.67%	\$70,677.08	\$68,437.50	\$66,250.00	\$63,750.00				
DPW Complex - Garage Bays	13-May-13	\$800,000	15-May-24	2.09%	\$94,800.00	\$93,200.00	\$91,600.00	\$90,000.00	\$88,400.00	\$86,800.00	\$250,800.00	
Fire Engine	11-May-11	\$400,000	15-Jul-16	2.72%	\$104,500.00	\$101,500.00						
Kendrick Street Bridge Repair	12-May-10	\$750,000	01-Aug-21	2.21%	\$85,687.50	\$84,187.50	\$82,687.50	\$81,187.50	\$79,593.75	\$77,812.50	\$75,937.50	
Parking Lot Improvement (Marked Lee)	05-May-08	\$100,000	01-Aug-16	2.00%	\$20,600.00	\$20,200.00						
Pollard School Boiler Replacement	13-May-13	\$95,000	15-May-18	2.00%	\$26,400.00	\$25,900.00	\$20,400.00					
Pollard School Boiler Replacement	13-May-13	\$565,000	15-Jul-21	3.22%	\$84,350.00	\$82,250.00	\$80,150.00	\$78,050.00	\$75,950.00	\$73,500.00	\$71,050.00	
Pollard School Roof Replacement	10-Nov-10	\$1,000,000	01-Oct-15	2.80%	\$203,000.00							
Pollard School Roof Replacement	10-Nov-10	\$725,000	15-Jul-22	3.67%	\$94,625.00	\$92,375.00	\$90,125.00	\$82,600.00	\$79,800.00	\$77,000.00	\$145,600.00	
Property Acquisition - 37-39 Lincoln Street	16-May-12	\$25,000	15-May-18	2.00%	\$5,300.00	\$5,200.00	\$5,100.00					
Property Acquisition - 37-39 Lincoln Street	16-May-12	\$605,000	01-Nov-32	3.39%	\$47,700.00	\$46,800.00	\$45,750.00	\$44,550.00	\$43,350.00	\$42,300.00	\$198,000.00	\$237,000.00
Property Acquisition - 51 Lincoln Street	13-Nov-12	\$150,000	15-May-18	2.00%	\$42,200.00	\$36,400.00	\$35,700.00					
Property Acquisition - 51 Lincoln Street	13-Nov-12	\$950,000	01-Nov-32	3.39%	\$77,825.00	\$76,325.00	\$74,575.00	\$72,575.00	\$70,575.00	\$68,825.00	\$307,300.00	\$355,500.02
Property Acquisition - 59 Lincoln Street & 89 School Street	14-May-12	\$117,500	15-May-18	2.00%	\$31,700.00	\$31,100.00	\$25,500.00					
Property Acquisition - 59 Lincoln Street & 89 School Street	14-May-12	\$1,005,000	01-Nov-32	3.39%	\$79,500.00	\$78,000.00	\$76,250.00	\$74,250.00	\$72,250.00	\$70,500.00	\$330,000.00	\$395,000.00
Property Acquisition - 66 - 70 Chestnut Street	04-Nov-13	\$1,330,000	15-Nov-33	3.35%	\$118,970.83	\$113,400.00	\$110,950.00	\$108,150.00	\$105,350.00	\$102,550.00	\$470,750.00	\$627,025.00
Property Acquisition 59 Lincoln Street & 89 School Street	14-May-12	\$52,500	15-Jul-32	2.93%	\$4,390.00	\$4,300.00	\$4,210.00	\$4,105.00	\$3,985.00	\$3,865.00	\$16,655.00	\$15,302.50
Public Services Administration Building	27-Oct-08	\$20,000	01-Nov-16	2.95%	\$5,225.00	\$5,075.00						
Public Services Administration Building	27-Oct-08	\$100,000	15-Jul-22	3.69%	\$12,750.00	\$12,450.00	\$12,150.00	\$11,800.00	\$11,400.00	\$11,000.00	\$20,800.00	

Town of Needham
Capital Improvement Plan
January 2016

Town of Needham Schedule of Issued Long Term Debt Service

Project	TM Vote	Amount Issued	Final Maturity	Average Rate	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service
					2016	2017	2018	2019	2020	2021	2022 - 2026	After 2026
Public Services Administration Building	27-Oct-08	\$4,000,000	01-Aug-26	3.16%	\$325,125.00	\$319,125.00	\$312,525.00	\$306,225.00	\$299,325.00	\$292,125.00	\$1,293,637.50	\$214,200.00
Public Services Administration Building	27-Oct-08	\$1,000,000	01-Dec-24	3.07%	\$85,606.25	\$84,062.50	\$82,356.25	\$80,487.50	\$78,537.50	\$86,437.50	\$320,906.25	
Public Works Infrastructure Program	07-May-12	\$210,000	15-May-18	2.00%	\$58,100.00	\$52,000.00	\$51,000.00					
Public Works Infrastructure Program	13-May-13	\$100,000	15-May-18	2.00%	\$26,500.00	\$26,000.00	\$25,500.00					
Public Works Infrastructure Program	07-May-12	\$190,000	15-Nov-18	3.67%	\$53,714.58	\$52,012.50	\$50,350.00	\$48,450.00				
Public Works Infrastructure Program	13-May-13	\$500,000	15-Nov-18	3.60%	\$141,354.17	\$136,875.00	\$132,500.00	\$127,500.00				
Public Works Infrastructure Program	12-May-14	\$580,000	15-Nov-18	3.67%	\$163,970.83	\$158,775.00	\$153,700.00	\$147,900.00				
Road, Bridges, Sidewalks and Intersection Improvement Program	03-May-10	\$120,000	15-Jul-16	3.13%	\$41,800.00	\$40,600.00						
Road, Bridges, Sidewalks and Intersection Improvement Program	02-May-11	\$350,000	15-Jul-16	3.13%	\$120,175.00	\$116,725.00						
Road, Bridges, Sidewalks and Intersection Improvement Program	03-May-10	\$306,500	15-Jul-17	2.72%	\$73,450.00	\$71,350.00	\$10,150.00					
Road, Bridges, Sidewalks and Intersection Improvement Program	02-May-11	\$600,000	15-Jul-17	2.82%	\$129,000.00	\$125,400.00	\$121,800.00					
Road, Bridges, Sidewalks and Intersection Improvement Program	03-May-10	\$129,000	15-May-18	2.00%	\$31,800.00	\$31,200.00	\$30,600.00					
Road, Bridges, Sidewalks and Intersection Improvement Program	02-May-11	\$150,000	15-May-18	2.00%	\$42,200.00	\$36,400.00	\$35,700.00					
Senior Center (Series I)	07-Nov-11	\$1,000,000	01-Nov-32	3.38%	\$83,831.26	\$77,256.26	\$75,506.26	\$73,506.26	\$71,506.26	\$69,756.26	\$326,281.30	\$371,240.67
Senior Center (Series II)	07-Nov-11	\$5,050,000	15-Jul-33	3.54%	\$413,875.00	\$406,225.00	\$398,575.00	\$390,925.00	\$383,275.00	\$374,350.00	\$1,734,550.00	\$2,307,500.00
Senior Center (Series III)	07-Nov-11	\$1,050,500	15-May-34	2.83%	\$80,400.00	\$79,300.00	\$78,200.00	\$77,100.00	\$76,000.00	\$74,900.00	\$347,300.00	\$460,450.00
Stormwater - MW PAT 98-92	06-May-98	\$364,979	01-Aug-19 (see note)		\$34,152.24	\$32,701.87	\$31,149.37	\$29,874.01	\$28,566.79			
Street & Traffic Light Improvements	19-May-08	\$25,000	01-Nov-17	3.34%	\$5,425.00	\$5,275.00	\$5,100.00					
Title V Loans	01-May-97	\$85,894	01-Aug-19 (see note)		\$5,922.75	\$5,662.92	\$5,391.28	\$5,119.64	\$4,853.91			

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Project	TM Vote	Amount Issued	Final Maturity	Average Rate	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service
					2016	2017	2018	2019	2020	2021	2022 - 2026	After 2026
Town Hall Project (Series I)	18-May-09	\$2,500,000	01-Apr-17	2.24%	\$314,250.00	\$307,500.00						
Town Hall (Series III)	18-May-09	\$385,000	01-Aug-26	2.63%	\$32,281.26	\$31,781.26	\$31,281.26	\$30,781.26	\$30,250.01	\$29,656.26	\$138,125.05	\$25,390.63
Total General Fund Debt Service Within the Levy Limit					\$3,473,133.75	\$3,173,327.31	\$2,452,781.92	\$2,028,886.17	\$1,602,968.22	\$1,541,377.52	\$6,047,692.60	\$5,008,608.82
Town Hall (Series II)	18-May-09	\$3,500,000	01-Oct-28	3.36%	\$280,887.50	\$276,012.50	\$272,112.50	\$267,968.75	\$260,900.00	\$251,150.00	\$1,160,321.92	\$607,515.64
Town Hall (Series III)	18-May-09	\$1,225,000	01-Aug-26	2.63%	\$103,300.00	\$101,700.00	\$100,100.00	\$98,500.00	\$96,800.00	\$94,900.00	\$442,000.00	\$81,250.00
Town Hall (Series IV)	18-May-09	\$970,000	15-Jul-30	2.80%	\$80,250.00	\$78,600.00	\$76,950.00	\$75,025.00	\$72,825.00	\$70,625.00	\$322,325.00	\$269,612.50
Total Community Preservation Act Debt Service					\$464,437.50	\$456,312.50	\$449,162.50	\$441,493.75	\$430,525.00	\$416,675.00	\$1,924,646.92	\$958,378.14
Soil Remediation	13-Nov-12	\$140,000	01-Nov-17	3.31%	\$32,200.00	\$26,375.00	\$25,500.00					
Construction Equipment	06-May-13	\$210,000	15-May-17	2.00%	\$72,800.00	\$71,400.00						
Total RTS Enterprise Debt Service					\$105,000.00	\$97,775.00	\$25,500.00					
MWPAT 97-13	28-Oct-96	\$67,700	01-Aug-18	(see note)	\$6,451.53	\$6,288.05	\$6,106.89	\$6,150.00				
MWPAT 97-33	28-Oct-96	\$180,300	01-Aug-18	(see note)	\$17,019.98	\$16,720.92	\$16,208.29	\$16,195.00				
MWPAT 97-63	05-May-97	\$1,019,778	01-Aug-18	(see note)	\$96,382.43	\$94,916.69	\$91,683.46	\$91,840.00				
MWPAT 98-10	05-May-97	\$130,200	01-Aug-18	(see note)	\$12,320.71	\$12,114.16	\$11,683.18	\$11,685.00				
West Street Force Main	01-May-98	\$568,400	01-May-19	3.98%	\$70,032.50	\$67,632.50	\$70,232.50	\$67,600.00				
West Street Pumping Station	01-May-98	\$1,252,300	01-May-19	3.98%	\$146,669.00	\$151,669.00	\$149,269.00	\$147,680.00				
Sewer Pump Station Richardson Drive	13-Nov-02	\$200,000	01-Apr-16	2.00%	\$15,337.50							
Sewer Pump Station - GPA	11-May-05	\$500,000	01-Jun-19	3.17%	\$57,187.50	\$56,000.00	\$54,000.00	\$52,000.00				
Sewer Rehabilitation - Rte 128 Area	07-Nov-05	\$320,000	01-Aug-28	3.39%	\$22,312.50	\$21,937.50	\$21,525.00	\$21,131.25	\$20,700.00	\$20,250.00	\$93,825.00	\$63,800.00

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Project	TM Vote	Amount Issued	Final Maturity	Average Rate	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service
					2016	2017	2018	2019	2020	2021	2022 - 2026	After 2026
Sewer Rehabilitation - Rte 128 Area	07-Nov-05	\$145,000	01-Dec-19	2.59%	\$16,706.25	\$16,350.00	\$15,956.25	\$15,525.00	\$10,150.00			
Sewer Rehabilitation - Rte 128 Area	07-Nov-05	\$500,000	15-Nov-22	4.00%	\$129,166.67	\$122,500.00	\$118,000.00	\$109,100.00	\$105,300.00	\$77,000.00	\$145,600.00	
Sewer System Rehabilitation I/I (MWRA)	16-May-07	\$57,613	15-Nov-15		\$11,522.50							
Sewer System Rehabilitation I/I (MWRA)	16-May-07	\$220,990	15-Feb-17		\$44,198.00	\$44,198.00						
Sewer Pump Station GPA	19-May-08	\$550,000	01-Aug-28	3.36%	\$42,800.00	\$42,050.00	\$41,225.00	\$40,437.50	\$39,575.00	\$33,750.00	\$156,375.00	\$106,400.00
Sewer Pump Station Design (Reservoir B)	04-May-09	\$90,000	15-Jul-17	2.79%	\$21,200.00	\$15,675.00	\$15,225.00					
Sewer Pump Station Reservoir B - MWPAT	07-Nov-11	\$6,034,290	15-Jan-33	2.15%	\$373,945.18	\$374,005.59	\$374,065.92	\$374,128.59	\$374,191.96	\$374,256.32	\$1,872,306.43	\$2,624,377.55
Sewer Pump Station Reservoir B - MWPAT	07-Nov-11	\$78,491	15-Jan-18	2.15%		\$40,873.49	\$40,519.84					
Total Sewer Enterprise Debt Service					\$1,083,252.25	\$1,082,930.90	\$1,025,700.33	\$953,472.34	\$549,916.96	\$505,256.32	\$2,268,106.43	\$2,794,577.55
Water System Rehabilitation - Rte 128 Area	15-May-06	\$212,000	01-Jun-19	3.16%	\$22,875.00	\$22,400.00	\$21,600.00	\$20,800.00				
Water Storage Tank Rehabilitation	19-May-08	\$655,000	01-Jun-19	3.16%	\$74,343.76	\$72,800.00	\$70,200.00	\$67,600.00				
Water Service Connections	01-May-06	\$55,000	01-Aug-19	2.51%	\$5,612.50	\$5,487.50	\$5,350.00	\$5,218.75	\$5,075.00			
Water System Rehabilitation - Rte 128 Area	15-May-06	\$100,000	01-Aug-28	3.41%	\$7,437.50	\$7,312.50	\$7,175.00	\$7,043.75	\$6,900.00	\$6,750.00	\$31,275.00	\$21,400.00
Water Distribution System	18-May-09	\$400,000	01-Dec-24	3.02%	\$32,281.25	\$31,687.50	\$31,031.25	\$30,312.50	\$29,562.50	\$28,812.50	\$106,968.75	
MWPAT Water DWS-08-24	19-May-08	\$765,335	15-Jul-30	2.00%	\$49,405.29	\$49,347.11	\$49,289.34	\$49,229.64	\$49,168.68	\$49,106.10	\$244,557.98	\$242,805.87
St Mary's Pump Station	13-May-13	\$1,995,000	15-May-34	2.85%	\$148,775.00	\$146,775.00	\$144,775.00	\$142,775.00	\$140,775.00	\$138,775.00	\$662,375.00	\$914,500.00
Water Treatment Facility	20-May-96	\$1,710,000	01-May-19	3.98%	\$207,193.00	\$202,593.00	\$201,393.00	\$204,360.00				
Water Treatment Facility	17-Nov-97	\$1,994,300	01-May-19	3.98%	\$237,210.50	\$236,610.50	\$239,210.50	\$240,760.00				
Water Main Improvements	19-May-08	\$400,000	15-Nov-20	3.95%	\$55,633.33	\$53,400.00	\$52,000.00	\$50,400.00	\$48,800.00	\$47,200.00	\$172,800.00	

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Project	TM Vote	Amount Issued	Final Maturity	Average Rate	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service
					2016	2017	2018	2019	2020	2021	2022 - 2026	After 2026
St Mary's Pump Station	13-May-13	\$1,700,000	15-Nov-33	3.36%	\$152,637.50	\$145,500.00	\$142,350.00	\$138,750.00	\$135,150.00	\$131,550.00	\$603,750.00	\$794,075.00
Water System Rehabilitation - Rte 128 Area	15-May-06	\$638,000	15-Nov-22	4.00%	\$135,146.67	\$128,020.00	\$116,660.00	\$114,900.00	\$111,100.00	\$131,800.00	\$244,300.00	
Total Water Enterprise Debt Service					\$1,128,551.30	\$1,101,933.11	\$1,081,034.09	\$1,072,149.64	\$526,531.18	\$533,993.60	\$2,066,026.73	\$1,972,780.87
High Rock School - Designs	01-Nov-06	\$480,000	01-Dec-26	3.91%	\$36,531.25	\$35,562.50	\$34,562.50	\$33,531.25	\$32,468.75	\$31,500.00	\$142,500.00	\$25,500.00
High Rock & Pollard School Projects	16-May-07	\$1,120,000	01-Dec-26	3.91%	\$86,875.00	\$84,550.00	\$82,150.00	\$79,675.00	\$77,125.00	\$74,800.00	\$323,900.00	\$56,100.00
High School (Series IIA)	12-May-03	\$9,000,000	01-Dec-24	3.89%	\$731,662.50	\$711,125.00	\$689,925.00	\$668,062.50	\$645,537.50	\$625,000.00	\$2,278,400.00	
High School (Series IIB)	07-Feb-05	\$2,000,000	01-Dec-26	3.91%	\$153,431.25	\$149,362.50	\$145,162.50	\$140,831.25	\$136,368.75	\$132,300.00	\$598,500.00	\$107,100.00
High Rock & Pollard School Projects (Series III)	16-May-07	\$5,000,000	01-Aug-27	4.69%	\$420,262.50	\$409,662.50	\$398,731.25	\$387,137.50	\$375,212.50	\$362,625.00	\$1,592,500.00	\$546,000.00
High School (Series III)	07-Feb-05	\$3,850,000	01-Jun-28	3.42%	\$288,200.00	\$283,450.00	\$275,450.00	\$267,450.00	\$259,450.00	\$253,450.00	\$1,167,500.00	\$321,150.00
High Rock & Pollard School Projects (Series IV)	16-May-07	\$10,500,000	01-Aug-28	3.35%	\$801,737.50	\$787,862.50	\$772,600.00	\$758,031.25	\$742,075.00	\$720,500.00	\$3,330,250.00	\$1,749,000.00
Newman School Extraordinary Repairs (Series I)	02-Nov-09	\$1,000,000	01-Dec-19	2.62%	\$112,375.00	\$110,000.00	\$107,375.00	\$104,500.00	\$101,500.00			
Newman School Extraordinary Repairs (Series III)	02-Nov-09	\$5,000,000	01-Oct-28	3.35%	\$402,300.00	\$395,300.00	\$389,700.00	\$383,750.00	\$373,600.00	\$359,600.00	\$1,660,975.00	\$844,125.00
Broadmeadow School (Refunding Bond)	01-May-00	\$8,400,000	01-Nov-23	3.00%	\$886,300.00	\$857,150.00	\$828,300.00	\$801,325.00	\$771,225.00	\$741,425.00	\$2,029,300.00	
Library Project (Refunding Bond)	07-May-03	\$6,510,000	01-Dec-19	3.00%	\$933,750.00	\$902,000.00	\$870,550.00	\$830,475.00	\$796,775.00			
Newman School Extraordinary Repairs (Series IV)	02-Nov-09	\$9,000,000	15-Jul-32	2.82%	\$689,360.00	\$675,800.00	\$662,240.00	\$646,420.00	\$628,340.00	\$610,260.00	\$2,794,220.00	\$3,415,960.00
Newman School Extraordinary Repairs (Series V)	02-Nov-09	\$2,200,000	01-Nov-32	3.39%	\$174,900.00	\$171,600.00	\$167,750.00	\$163,350.00	\$158,950.00	\$155,100.00	\$726,000.00	\$869,000.00
Elliot School	01-May-00	\$2,562,000	15-Nov-24	3.94%	\$379,174.17	\$359,405.00	\$346,840.00	\$314,400.00	\$304,400.00	\$294,400.00	\$1,063,500.00	
High School	12-May-03	\$4,775,000	15-Nov-25	3.97%	\$773,120.83	\$712,625.00	\$674,300.00	\$653,700.00	\$589,000.00	\$560,400.00	\$2,507,000.00	
Total Excluded General Fund Debt Service					\$6,869,980.00	\$6,645,455.00	\$6,445,636.25	\$6,232,638.75	\$5,992,027.50	\$4,921,360.00	\$20,214,545.00	\$7,933,935.00

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Project	TM Vote	Amount Issued	Final Maturity	Average Rate	2016	2017	2018	2019	2020	2021	2022 - 2026	After 2026	
Total Long Term Debt Service					\$13,124,354.80	\$12,557,733.82	\$11,479,815.09	\$10,728,640.65	\$9,101,968.86	\$7,918,662.44	\$32,521,017.68	\$18,668,280.38	