

Debt Schedules

Section 4

Town of Needham
Capital Improvement Plan
January 2014

Debt Service to Revenue
Issued, Authorized and Proposed for FY2015
FY2015 - FY2019

Description	2014	2015	2016	2017	2018	2019
Revenue						
General Fund Within the Levy *	\$116,541,117	\$119,380,110	\$123,489,432	\$127,203,739	\$131,099,947	\$135,228,494
General Fund Excluded from Levy **	\$7,320,928	\$6,780,026	\$6,212,881	\$6,035,371	\$5,853,192	\$6,330,133
CPA Revenue	\$2,626,139	\$2,124,102	\$2,177,204	\$2,231,634	\$2,287,425	\$2,344,611
RTS Revenue	\$1,514,144	\$1,529,285	\$1,544,578	\$1,560,024	\$1,575,624	\$1,591,381
Sewer Revenue	\$7,595,965	\$7,671,925	\$7,748,644	\$7,826,130	\$7,904,392	\$7,983,436
Water Revenue	\$5,560,785	\$5,616,393	\$5,672,557	\$5,729,282	\$5,786,575	\$5,844,441
Total Revenue	\$141,159,078	\$143,101,840	\$146,845,296	\$150,586,181	\$154,507,155	\$159,322,494
					3.1%	3.1%
Debt Service						
General Debt (Table I)	\$3,470,211	\$3,636,947	\$3,669,875	\$3,363,056	\$2,626,760	\$2,404,165
CPA Debt (Table II)	\$711,000	\$475,763	\$464,438	\$456,313	\$449,163	\$441,494
RTS Debt (Table III)	\$150,000	\$150,000	\$137,860	\$127,175	\$121,440	\$90,080
Sewer Debt (Table IV)	\$1,500,000	\$1,500,000	\$1,272,702	\$1,196,948	\$1,133,976	\$1,099,915
Water Debt (Table V)	\$1,550,000	\$1,550,000	\$1,537,066	\$1,502,596	\$1,476,382	\$1,444,291
Gross Excluded Debt (Table VI)	\$8,016,076	\$7,475,174	\$6,908,029	\$6,730,519	\$6,548,340	\$6,330,133
Total Debt Service	\$15,397,287	\$14,787,884	\$13,989,970	\$13,376,606	\$12,356,060	\$11,810,076
Total Debt Service to Total Revenue	10.9%	10.3%	9.5%	8.9%	8.0%	7.4%
Total Debt Service to Total Revenue (less MSBA) ***	10.5%	9.9%	9.1%	8.5%	7.6%	7.0%
General Debt Service to General Revenue	3.0%	3.0%	3.0%	2.6%	2.0%	1.8%

* FY2015 - FY2019 revenue is based on the September 2013 Five-Year Pro Forma.

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

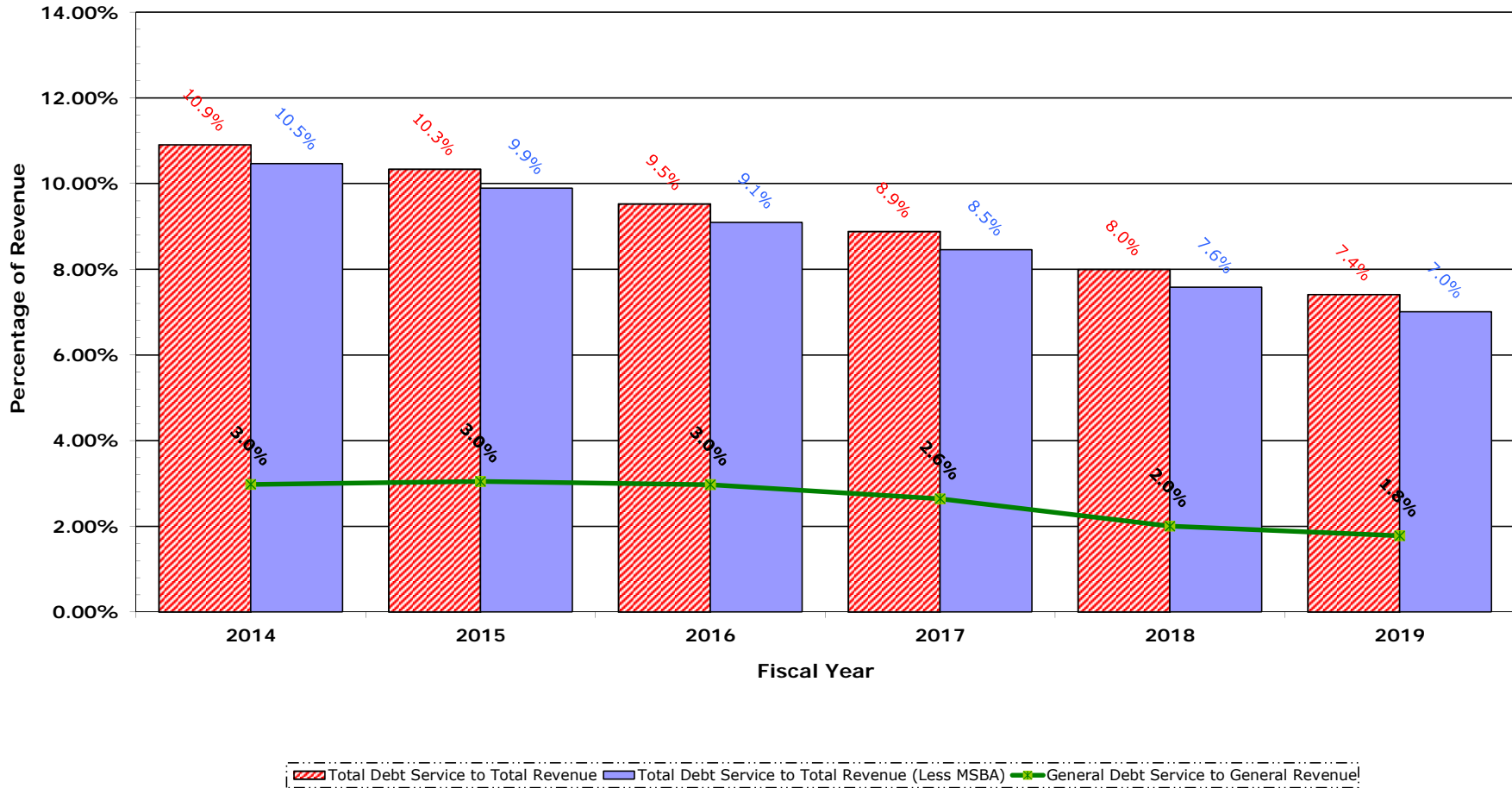
*** Uses net general fund debt excluded figure (or actual debt to be paid by Town after MSBA payment) see table VI.

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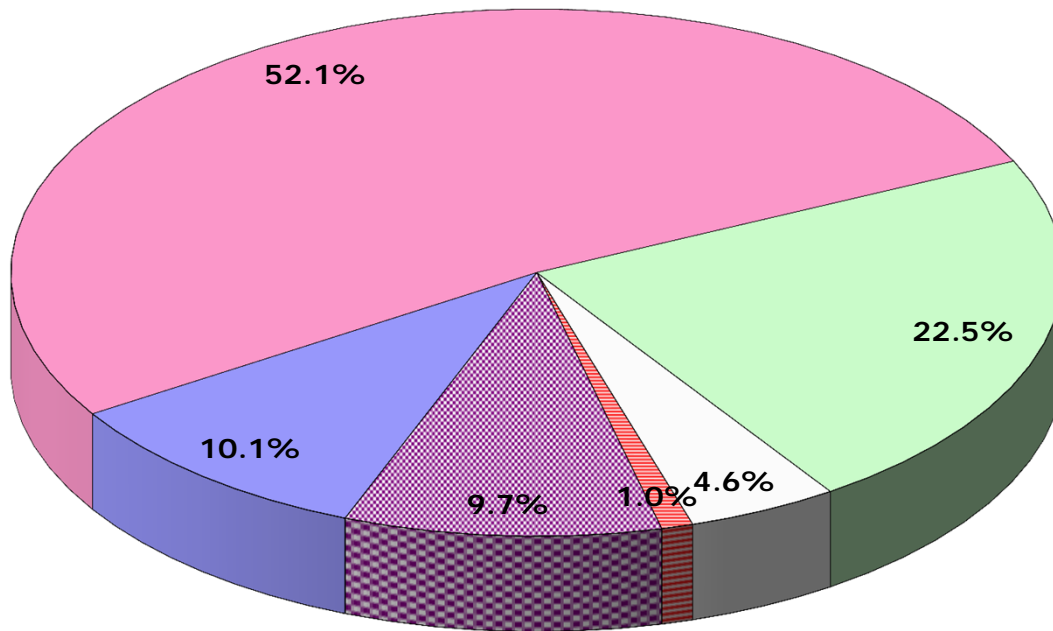
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Debt Service as a Percentage of Revenue



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**FY2014 Debt Service
Share of Total**



- General Debt
- CPA Fund
- RTS Enterprise
- Sewer Enterprise
- Water Enterprise
- Debt Excluded

**Projected Gross Debt Service
\$15,397,287**

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Table I
General Fund Capital Projects
Proposed Funding by Debt
FY2015

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2014	2015	2016	2017	2018	2019
General Fund Within the Levy									
Public Works Infrastructure Program	\$800,000	5	6.00%			\$208,000	\$198,400	\$188,800	\$179,200
Cooks Bridge	\$900,000	5	6.00%			\$234,000	\$223,200	\$212,400	\$201,600
Projected New General Fund Debt Service#	\$1,700,000					\$442,000	\$421,600	\$401,200	\$380,800
General Fund Debt									
Authorized & Issued (refer to schedule)				\$2,588,836	\$2,960,072	\$2,485,046	\$2,227,127	\$1,539,732	\$1,366,036
Authorized Not Yet Issued & Short Term Costs				\$881,375	\$676,875	\$742,828	\$714,328	\$685,828	\$657,328
Proposed						\$442,000	\$421,600	\$401,200	\$380,800
Total General Fund Debt Service Within the Levy				\$3,470,211	\$3,636,947	\$3,669,875	\$3,363,056	\$2,626,760	\$2,404,165
General Fund Within the Levy Revenue *				\$116,541,117	\$119,380,110	\$123,489,432	\$127,203,739	\$131,099,947	\$135,228,494
Debt Service % of General Fund Revenue				3.0%	3.0%	3.0%	2.6%	2.0%	1.78%

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Table II
CPA Capital Projects
Proposed Funding by Debt
FY2015

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2014	2015	2016	2017	2018	2019
CPA Fund Debt									
No New Authorizations Proposed for FY2015									
Projected New CPA Fund Debt Service									
CPA Fund Debt									
Authorized & Issued				\$487,906	\$473,263	\$464,438	\$456,313	\$449,163	\$441,494
Authorized Not Yet Issued & Short Term Costs				\$223,094	\$2,501				
Proposed									
Total CPA Fund Debt Service				\$711,000	\$475,763	\$464,438	\$456,313	\$449,163	\$441,494

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Table III
Recycling & Solid Waste Disposal Capital Projects
Proposed Funding by Debt
FY2015

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2014	2015	2016	2017	2018	2019
Recycling & Solid Waste Disposal Enterprise (RTS)									
No New Authorizations Proposed for FY2015									
Projected New RTS Debt Service									
RTS Enterprise Fund Debt									
Authorized & Issued (refer to schedule)				\$73,993	\$33,100	\$32,200	\$26,375	\$25,500	
Authorized Not Yet Issued & Short Term Costs				\$76,007	\$116,900	\$105,660	\$100,800	\$95,940	\$90,080
Proposed									
Total RTS Debt Service				\$150,000	\$150,000	\$137,860	\$127,175	\$121,440	\$90,080

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Table IV
Sewer Fund Capital Projects
Proposed Funding by Debt
FY2015

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2014	2015	2016	2017	2018	2019
Sewer Enterprise									
No New Authorizations Proposed for FY2015									
Projected New Sewer Debt Service									
Sewer Enterprise Fund Debt									
Authorized & Issued (refer to schedule)				\$1,495,300	\$1,282,149	\$1,089,108	\$1,047,610	\$990,638	\$962,577
Authorized Not Yet Issued & Short Term Costs				\$4,700	\$217,851	\$183,594	\$149,338	\$143,338	\$137,338
Proposed									
Total Sewer Debt Service				\$1,500,000	\$1,500,000	\$1,272,702	\$1,196,948	\$1,133,976	\$1,099,915

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Table V
Water Fund Capital Projects
Proposed Funding by Debt
FY2015

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2014	2015	2016	2017	2018	2019
Water Enterprise									
No New Authorizations Proposed for FY2015									
Projected New Water Debt Service									
Water Enterprise Fund Debt									
Authorized & Issued (refer to schedule)				\$943,901	\$931,549	\$783,243	\$771,572	\$768,158	\$758,867
Authorized Not Yet Issued & Short Term Costs				\$606,099	\$618,451	\$753,824	\$731,024	\$708,224	\$685,424
Proposed									
Total Water Debt Service				\$1,550,000	\$1,550,000	\$1,537,066	\$1,502,596	\$1,476,382	\$1,444,291

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Table VI
Capital Projects
Proposed Funding by Debt Exclusion
FY2015

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2014	2015	2016	2017	2018	2019
General Fund Debt Excluded									
No New Authorizations Proposed for FY2015									
Projected New General Fund Debt Service Excluded									
General Fund Debt Excluded									
Authorized & Issued (refer to schedule)				\$7,437,305	\$7,212,673.76	\$6,908,029	\$6,730,519	\$6,548,340	\$6,330,133
Authorized Not Yet Issued & Short Term Costs				\$578,771	\$262,500				
Proposed									
Total General Fund Excluded Debt Service				\$8,016,076	\$7,475,174	\$6,908,029	\$6,730,519	\$6,548,340	\$6,330,133
Projected SBA Payments/Other Adjustments				\$695,148	\$695,148	\$695,148	\$695,148	\$695,148	
Net General Fund Excluded Debt Service *				\$7,320,928	\$6,780,026	\$6,212,881	\$6,035,371	\$5,853,192	\$6,330,133

* Before other offsets and credits

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**Town of Needham
Current Long Term Debt Service Obligations
Inclusive of the December 2013 Bond Issue**

Fiscal Year	General	Excluded	CPA	RTS	Sewer	Water	Total
2014	\$2,588,836.24	\$7,437,304.59	\$487,906.25	\$73,992.92	\$1,495,300.47	\$943,901.21	\$13,027,241.68
2015	\$2,960,072.11	\$7,212,673.76	\$473,262.50	\$33,100.00	\$1,282,149.38	\$931,548.72	\$12,892,806.47
2016	\$2,485,046.26	\$6,908,028.76	\$464,437.50	\$32,200.00	\$1,089,107.84	\$783,242.80	\$11,762,063.16
2017	\$2,227,127.31	\$6,730,518.76	\$456,312.50	\$26,375.00	\$1,047,610.25	\$771,572.11	\$11,259,515.93
2018	\$1,539,731.92	\$6,548,340.01	\$449,162.50	\$25,500.00	\$990,637.72	\$768,158.09	\$10,321,530.24
2019	\$1,366,036.17	\$6,330,132.51	\$441,493.75		\$962,576.83	\$758,867.14	\$9,859,106.40
2020	\$1,333,218.22	\$6,081,221.26	\$430,525.00		\$553,325.19	\$208,468.68	\$8,606,758.35
2021	\$1,277,127.52	\$5,018,153.76	\$416,675.00		\$508,204.69	\$222,762.35	\$7,442,923.32
2022	\$1,244,688.77	\$4,852,011.26	\$405,040.63		\$503,757.81	\$216,543.56	\$7,222,042.03
2023	\$1,070,343.77	\$4,694,631.26	\$395,256.26		\$499,240.78	\$210,222.42	\$6,869,694.49
2024	\$957,930.02	\$4,521,538.76	\$384,906.26		\$421,247.30	\$81,488.08	\$6,367,110.42
2025	\$902,402.52	\$3,754,678.76	\$374,762.51		\$419,777.34	\$80,370.41	\$5,531,991.54
2026	\$803,477.52	\$2,838,185.00	\$364,681.26		\$418,205.89	\$54,677.26	\$4,479,226.93
2027	\$776,109.39	\$2,245,600.00	\$354,306.26		\$416,532.90	\$54,407.26	\$3,846,955.81
2028	\$522,726.26	\$1,896,217.50	\$259,996.88		\$439,358.34	\$54,135.00	\$3,172,433.98
2029	\$508,290.64	\$1,434,918.75	\$241,637.50		\$426,882.18	\$58,763.06	\$2,670,492.13

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**Town of Needham
 Current Long Term Debt Service Obligations
 Inclusive of the December 2013 Bond Issue**

Fiscal Year	General	Excluded	CPA	RTS	Sewer	Water	Total
2030	\$488,411.27	\$615,257.50	\$51,812.50		\$370,704.37	\$48,488.04	\$1,574,673.68
2031	\$473,088.76	\$600,698.75	\$50,625.00		\$370,624.90	\$48,412.51	\$1,543,449.92
2032	\$457,077.50	\$579,397.50			\$370,543.71		\$1,407,018.71
2033	\$440,430.00	\$561,845.00			\$370,460.79		\$1,372,735.79
2034	\$255,000.00						\$255,000.00
2035							

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
GENERAL FUND WITHIN THE LEVY LIMIT - AUTHORIZED & ISSUED												
Title V Loans - MWPAT T5-97-1027 - R	May-97	\$85,894	Dec-99	Aug-19	(see note)	\$6,529.60	\$6,265.04	\$5,922.75	\$5,662.92	\$5,391.28	\$5,119.64	\$4,854
Stormwater - MWPAT 98-92	May-98	\$364,979	Sep-01	Aug-19	(see note)	\$32,889.07	\$35,649.55	\$34,152.24	\$32,701.87	\$31,149.37	\$29,874.01	\$28,567
Road Improvement Program	May-05	\$468,400	Dec-05	Feb-15	3.48%	\$10,750.00	\$10,380.00					
Public Services Administration Building (Series I)	Oct-08	\$4,000,000	Dec-09	Aug-26	3.16%	\$334,725.00	\$329,925.00	\$325,125.00	\$319,125.00	\$312,525.00	\$306,225.00	\$2,099,288
Road, Bridges, Sidewalks and Intersection Improvement	May-09	\$165,000	Dec-09	Aug-13	2.00%	\$40,400.00						
Public Safety Building Roof	May-08	\$350,000	Jun-10	Dec-14	2.20%	\$72,100.00	\$70,700.00					
Public Services Administration Building (Series II)	Oct-08	\$1,000,000	Jun-10	Dec-24	3.07%	\$83,137.50	\$81,937.50	\$85,606.25	\$84,062.50	\$82,356.25	\$80,487.50	\$485,881
Roads, Bridges, Sidewalks & Intersection Program	May-09	\$530,000	Jun-10	Dec-13	2.31%	\$131,300.00						
Public Services Administration Building (Series III)	Oct-08	\$125,000	Oct-10	Apr-14	2.10%	\$10,200.00						
Town Hall Project (Series I)	May-09	\$2,500,000	Oct-10	Apr-17	2.24%	\$326,250.00	\$320,250.00	\$314,250.00	\$307,500.00			

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
Roads, Bridges, Sidewalks & Intersection Program	May-10	\$500,000	Jun-11	Oct-14	2.68%	\$130,000.00	\$126,875.00					
Senior Center Design	Nov-10	\$350,000	Jun-11	Oct-13	2.55%	\$75,750.00						
Town Hall (Series III)	May-09	\$385,000	Oct-11	Aug-26	2.63%	\$33,281.26	\$32,781.26	\$32,281.26	\$31,781.26	\$31,281.26	\$30,781.26	\$223,422
Parking Lot Improvement (Marked Lee)	May-08	\$100,000	Oct-11	Aug-16	2.00%	\$21,400.00	\$21,000.00	\$20,600.00	\$20,200.00			
Kendrick Street Bridge Repair	May-10	\$750,000	Oct-11	Aug-21	2.21%	\$88,687.50	\$87,187.50	\$85,687.50	\$84,187.50	\$82,687.50	\$81,187.50	\$233,344
Public Services Administration Bldg.	Oct-08	\$100,000	Oct-12	Jul-22	3.69%	\$14,025.00	\$13,000.00	\$12,750.00	\$12,450.00	\$12,150.00	\$11,800.00	\$43,200
Property Acquisition 59 Lincoln Street & 89 School Street	May-12	\$52,500	Oct-12	Jul-32	2.93%	\$5,421.25	\$4,465.00	\$4,390.00	\$4,300.00	\$4,210.00	\$4,105.00	\$39,808
Roads, Bridges, Sidewalks & Intersection Program	May-10	\$306,500	Oct-12	Jul-17	2.72%	\$90,222.50	\$80,250.00	\$73,450.00	\$71,350.00	\$10,150.00		
Roads, Bridges, Sidewalks & Intersection Program	May-11	\$600,000	Oct-12	Jul-17	2.82%	\$138,300.00	\$132,000.00	\$129,000.00	\$125,400.00	\$121,800.00		
Fire Engine	May-11	\$400,000	Oct-12	Jul-16	2.72%	\$111,500.00	\$107,000.00	\$104,500.00	\$101,500.00			

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
Public Services Administration Bldg.	Oct-08	\$20,000	Jun-13	Nov-16	2.95%	\$5,412.92	\$5,375.00	\$5,225.00	\$5,075.00			
Senior Center (Series I)	Nov-11	\$1,000,000	Jun-13	Nov-32	3.38%	\$86,759.43	\$85,481.26	\$83,831.26	\$77,256.26	\$75,506.26	\$73,506.26	\$838,784
Property Acquisition - 59 Lincoln Street & 89 School Street	May-12	\$1,005,000	Jun-13	Nov-32	3.39%	\$82,098.75	\$81,000.00	\$79,500.00	\$78,000.00	\$76,250.00	\$74,250.00	\$867,750
Property Acquisition - 37-39 Lincoln Street	May-12	\$605,000	Jun-13	Nov-32	3.39%	\$51,272.92	\$48,600.00	\$47,700.00	\$46,800.00	\$45,750.00	\$44,550.00	\$520,650
Property Acquisition - 51 Lincoln Street	Nov-12	\$950,000	Jun-13	Nov-32	3.39%	\$75,654.79	\$79,325.00	\$77,825.00	\$76,325.00	\$74,575.00	\$72,575.00	\$802,200
Street & Traffic Light Improvements	May-08	\$25,000	Jun-13	Nov-17	3.34%	\$5,581.25	\$5,575.00	\$5,425.00	\$5,275.00	\$5,100.00		
Roads, Bridges, Sidewalks & Intersection Program	May-10	\$120,000	Dec-13	Jul-16	3.13%		\$43,677.78	\$41,800.00	\$40,600.00			
Roads, Bridges, Sidewalks & Intersection Program	May-11	\$350,000	Dec-13	Jul-16	3.13%		\$130,697.50	\$120,175.00	\$116,725.00			
Senior Center (Series II)	Nov-11	\$5,050,000	Dec-13	Jul-33	3.54%		\$443,451.94	\$413,875.00	\$406,225.00	\$398,575.00	\$390,925.00	\$4,799,675
Pollard School Repairs	Nov-10	\$325,000	Jun-11	Oct-13	2.81%	\$25,250.00						

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
Pollard School Roof Replacement	Nov-10	\$1,000,000	Jun-11	Oct-15	2.80%	\$214,000.00	\$209,000.00	\$203,000.00				
Pollard School Parking and Access	Mar-11	\$702,200	Jun-11	Oct-14	2.68%	\$182,000.00	\$177,625.00					
Pollard School Roof Replacement	Nov-10	\$725,000	Oct-12	Jul-22	3.67%	\$103,937.50	\$96,500.00	\$94,625.00	\$92,375.00	\$90,125.00	\$82,600.00	\$302,400
Pollard School Boiler Replacement	May-13	\$565,000	Dec-13	Jul-21	3.22%		\$94,097.78	\$84,350.00	\$82,250.00	\$80,150.00	\$78,050.00	\$220,500
GENERAL FUND DEBT SERVICE - WITHIN THE LEVY LIMIT						\$2,588,836	\$2,960,072	\$2,485,046	\$2,227,127	\$1,539,732	\$1,366,036	\$11,510,322
GENERAL FUND DEBT EXCLUDED FROM THE LEVY LIMIT - AUTHORIZED & ISSUED												
Library Project (Series II)	May-03	\$750,000	Dec-05	Feb-15	3.59%	\$91,565.00	\$93,420.00					
High School (Series I)	May-03	\$10,000,000	Nov-06	May-26	4.01%	\$823,250.00	\$801,250.00	\$779,250.00	\$757,250.00	\$735,250.00	\$713,250.00	\$4,068,125
Eliot School	May-00	\$5,500,000	Jun-05	Jun-25	3.82%	\$390,693.76	\$421,593.76	\$411,093.76	\$399,843.76	\$388,593.76	\$352,343.76	\$1,883,063
High Rock School - Designs	Nov-06	\$480,000	Jun-08	Dec-26	3.91%	\$38,156.25	\$37,343.75	\$36,531.25	\$35,562.50	\$34,562.50	\$33,531.25	\$231,969
High Rock & Pollard School Projects	May-07	\$1,120,000	Jun-08	Dec-26	3.91%	\$90,775.00	\$88,825.00	\$86,875.00	\$84,550.00	\$82,150.00	\$79,675.00	\$531,925

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
High School (Series IIA)	May-03	\$9,000,000	Jun-08	Dec-24	3.89%	\$766,112.50	\$748,887.50	\$731,662.50	\$711,125.00	\$689,925.00	\$668,062.50	\$3,548,938
High School (Series IIB)	Feb-05	\$2,000,000	Jun-08	Dec-26	3.91%	\$160,256.25	\$156,843.75	\$153,431.25	\$149,362.50	\$145,162.50	\$140,831.25	\$974,269
High Rock & Pollard School Projects (Series III)	May-07	\$5,000,000	Nov-08	Aug-27	4.69%	\$440,800.00	\$430,862.50	\$420,262.50	\$409,662.50	\$398,731.25	\$387,137.50	\$2,876,338
High School (Series III)	Feb-05	\$3,850,000	Jun-09	Jun-28	3.42%	\$297,450.00	\$292,950.00	\$288,200.00	\$283,450.00	\$275,450.00	\$267,450.00	\$2,001,550
High Rock & Pollard School Projects (Series IV)	May-07	\$10,500,000	Dec-09	Aug-28	3.35%	\$823,937.50	\$812,837.50	\$801,737.50	\$787,862.50	\$772,600.00	\$758,031.25	\$6,541,825
Newman School HVAC Design and Engineering (Series I)	May-09	\$225,000	Jun-10	Dec-14	2.20%	\$46,350.00	\$45,450.00					
Newman School Extraordinary Repairs (Series I)	Nov-09	\$1,000,000	Jun-10	Dec-19	2.62%	\$116,500.00	\$114,500.00	\$112,375.00	\$110,000.00	\$107,375.00	\$104,500.00	\$101,500
Newman School Extraordinary Repairs (Series II)	Nov-09	\$675,000	Oct-10	Apr-14	2.07%	\$51,000.00						
Newman School Extraordinary Repairs (Series III)	Nov-09	\$5,000,000	Jun-11	Oct-28	3.35%	\$417,700.00	\$410,700.00	\$402,300.00	\$395,300.00	\$389,700.00	\$383,750.00	\$3,238,300
Broadmeadow School (refunding bond)	May-00	\$8,400,000	Jun-12	Nov-23	3.00%	\$939,450.00	\$914,325.00	\$886,300.00	\$857,150.00	\$828,300.00	\$801,325.00	\$3,541,950

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
Library Project (refunding bond)	May-03	\$6,510,000	Jun-12	Dec-19	3.00%	\$996,481.25	\$964,025.00	\$933,750.00	\$902,000.00	\$870,550.00	\$830,475.00	\$796,775
Newman School Extraordinary Repairs (Series IV)	Nov-09	\$9,000,000	Oct-12	Jul-32	2.82%	\$777,285.00	\$700,660.00	\$689,360.00	\$675,800.00	\$662,240.00	\$646,420.00	\$7,448,780
Newman School Extraordinary Repairs (Series V)	Nov-09	\$2,200,000	Jun-13	Nov-32	3.39%	\$169,542.08	\$178,200.00	\$174,900.00	\$171,600.00	\$167,750.00	\$163,350.00	\$1,909,050
EXCLUDED DEBT						\$7,437,305	\$7,212,674	\$6,908,029	\$6,730,519	\$6,548,340	\$6,330,133	\$39,694,355
CPA FUND DEBT - AUTHORIZED & ISSUED												
Town Hall (Series II)	May-09	\$3,500,000	Jun-11	Oct-28	3.36%	\$291,612.50	\$286,737.50	\$280,887.50	\$276,012.50	\$272,112.50	\$267,968.75	\$2,279,888
Town Hall (Series III)	May-09	\$1,225,000	Oct-11	Aug-26	2.63%	\$106,500.00	\$104,900.00	\$103,300.00	\$101,700.00	\$100,100.00	\$98,500.00	\$714,950
Town Hall (Series IV)	May-09	\$970,000	Oct-12	Jul-30	2.80%	\$89,793.75	\$81,625.00	\$80,250.00	\$78,600.00	\$76,950.00	\$75,025.00	\$735,388
CPA DEBT						\$487,906	\$473,263	\$464,438	\$456,313	\$449,163	\$441,494	\$3,730,225

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
RTS FUND DEBT FEE SUPPORTED - AUTHORIZED & ISSUED												
Construction Equipment	May-09	\$165,000	Oct-10	Apr-14	2.29%	\$40,800.00						
Soil Remediation	Nov-12	\$140,000	Jun-13	Nov-17	3.31%	\$33,192.92	\$33,100.00	\$32,200.00	\$26,375.00	\$25,500.00		
RTS DEBT SERVICE						\$73,993	\$33,100	\$32,200	\$26,375	\$25,500		
SEWER FUND DEBT SERVICE FEE SUPPORTED - AUTHORIZED & ISSUED												
MWPAT 95-01 - (Restructured)	May-91	\$310,656	Aug-01	Feb-15	(see note)	\$32,060.89	\$32,021.36					
Sewer - West Street Force Main	May-98	\$881,800	Jun-99	Jun-19	4.83%	\$67,700.00	\$70,250.00	\$72,500.00	\$69,500.00	\$71,500.00	\$68,250.00	
Sewer - West Street Pump Station	May-98	\$1,939,000	Jun-99	Jun-19	4.83%	\$153,885.00	\$153,250.00	\$152,250.00	\$156,000.00	\$154,250.00	\$152,250.00	
Sewer - MWPAT 97-13 (Restructured)	Oct-96	\$67,700	Nov-04	Aug-18	(see note)	\$6,508.77	\$6,536.80	\$6,451.53	\$6,288.05	\$6,106.89	\$6,150.00	
Sewer - MWPAT 97-33 (Restructured)	Oct-96	\$180,300	Nov-04	Aug-18	(see note)	\$17,426.84	\$17,374.13	\$17,019.98	\$16,720.92	\$16,208.29	\$16,195.00	
MWPAT 97-63 (Restructured 2)	May-97	\$1,019,778	Nov-04	Aug-18	(see note)	\$98,416.74	\$98,250.26	\$96,382.43	\$94,916.69	\$91,683.46	\$91,840.00	
Sewer - MWPAT 98-10 (Restructured)	May-97	\$130,200	Nov-04	Aug-18	(see note)	\$12,594.41	\$12,566.64	\$12,320.71	\$12,114.16	\$11,683.18	\$11,685.00	

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
Sewer System Rehab - I/I Work	May-03	\$425,000	Jun-05	Jun-14	3.14%	\$41,400.00						
Sewer Pump Station - Great Plain Ave.	May-05	\$484,550	Dec-05	Feb-15	3.59%	\$58,935.00	\$51,900.00					
Sewer Rehabilitation - Rte 128 Area	Nov-05	\$2,000,000	Jun-07	Nov-22	4.35%	\$138,387.50	\$134,012.50	\$129,262.50	\$124,262.50	\$119,737.50	\$115,637.50	\$350,644
Sewer Pump Station - Great Plain Ave.	May-05	\$500,000	Jun-09	Jun-19	3.17%	\$59,500.00	\$58,375.00	\$57,187.50	\$56,000.00	\$54,000.00	\$52,000.00	
Sewer System Rehabilitation I/I	May-07	\$725,000	Jun-10	Jun-14	2.35%	\$148,262.50						
Sewer Rehabilitation - Rte 128 Area	Nov-05	\$320,000	Dec-09	Aug-28	3.39%	\$27,962.50	\$22,612.50	\$22,312.50	\$21,937.50	\$21,525.00	\$21,131.25	\$198,575
Sewer Pump Station - Great Plain Ave.	May-08	\$550,000	Dec-09	Aug-28	3.36%	\$44,000.00	\$43,400.00	\$42,800.00	\$42,050.00	\$41,225.00	\$40,437.50	\$336,100
Sewer Pump Station Richardson Dr (MWRA)	Nov-02	\$215,710	Feb-10	Feb-15		\$43,142.00	\$43,142.00					
Sewer System Rehabilitation I/I (MWRA)	May-07	\$283,305	May-10	May-15		\$56,661.00	\$56,661.00					
Sewer Rehabilitation - Rte 128 Area	Nov-05	\$145,000	Jun-10	Dec-19	2.59%	\$17,325.00	\$17,025.00	\$16,706.25	\$16,350.00	\$15,956.25	\$15,525.00	\$10,150

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
Sewer Pump Station Richardson Drive	Nov-02	\$200,000	Oct-10	Apr-16	2.00%	\$15,937.50	\$15,637.50	\$15,337.50				
Sewer System Rehabilitation I/I (MWRA)	May-07	\$57,613	Nov-10	Nov-15		\$11,522.50	\$11,522.50	\$11,522.50				
Sewer System Rehabilitation I/I (MWRA)	May-07	\$220,990	Feb-12	Feb-17		\$44,198.00	\$44,198.00	\$44,198.00	\$44,198.00			
Sewer Pump Station Reservoir B - Design	May-09	\$90,000	Oct-12	Jul-17	2.79%	\$22,675.00	\$21,700.00	\$21,200.00	\$15,675.00	\$15,225.00		
Sewer Pump Station Reservoir B	Nov-11	\$6,034,290	Dec-12	Jul-30	2.00%	\$376,799.32	\$371,714.19	\$371,656.44	\$371,597.43	\$371,537.15	\$371,475.58	\$5,193,397
SEWER DEBT SERVICE						\$1,495,300	\$1,282,149	\$1,089,108	\$1,047,610	\$990,638	\$962,577	\$6,088,866
<u>WATER FUND DEBT SERVICE FEE SUPPORTED - AUTHORIZED & ISSUED</u>												
Water Treatment Facility	May-96	\$2,665,000	Jun-99	Jun-19	4.83%	\$208,095.00	\$210,500.00	\$212,250.00	\$208,500.00	\$209,500.00	\$210,000.00	
Water Treatment Facility	Nov-97	\$3,090,000	Jun-99	Jun-19	4.83%	\$247,065.00	\$243,000.00	\$243,500.00	\$243,500.00	\$248,000.00	\$246,750.00	
Water System Rehab - Warren Street Area	May-05	\$413,500	Dec-05	Feb-15	3.60%	\$53,750.00	\$51,900.00					
Water System Rehabilitation - Rte 128 Area	May-06	\$1,500,000	Jun-07	Nov-22	4.32%	\$144,662.50	\$140,287.50	\$135,537.50	\$130,537.50	\$126,012.50	\$121,912.50	\$516,356

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
Water System Rehabilitation - Rte 128 Area	May-06	\$212,000	Jun-09	Jun-19	3.16%	\$22,777.50	\$23,350.00	\$22,875.00	\$22,400.00	\$21,600.00	\$20,800.00	
Water Storage Tank Rehabilitation	May-08	\$655,000	Jun-09	Jun-19	3.16%	\$78,372.50	\$75,887.50	\$74,343.76	\$72,800.00	\$70,200.00	\$67,600.00	
Water Service Connections	May-06	\$55,000	Dec-09	Aug-19	2.51%	\$5,812.50	\$5,712.50	\$5,612.50	\$5,487.50	\$5,350.00	\$5,218.75	\$5,075
Water System Rehabilitation - Rte 128 Area	May-06	\$100,000	Dec-09	Aug-28	3.41%	\$7,637.50	\$7,537.50	\$7,437.50	\$7,312.50	\$7,175.00	\$7,043.75	\$66,325
Water System Rehabilitation - Rte 128 Area	May-06	\$165,000	Jun-10	Dec-14	2.22%	\$30,900.00	\$30,300.00					
Water Main Improvements	May-08	\$185,000	Jun-10	Dec-14	2.20%	\$36,050.00	\$35,350.00					
Water Distribution System Rehab (Chapel & May) (Pickering & GPA)	May-09	\$400,000	Jun-10	Dec-24	3.02%	\$38,462.50	\$37,862.50	\$32,281.25	\$31,687.50	\$31,031.25	\$30,312.50	\$165,344
Water Distribution System Rehab (Chapel & May) (Pickering & GPA)	May-09	\$300,000	Oct-10	Apr-15	1.85%	\$20,800.00	\$20,400.00					
MWPAT Water DWS-08-24 (amended 06/06/2012)	May-08	\$765,335	Jun-12	Jul-30	2.00%	\$49,516.21	\$49,461.22	\$49,405.29	\$49,347.11	\$49,289.34	\$49,229.64	\$585,639
WATER DEBT SERVICE						\$943,901	\$931,549	\$783,243	\$771,572	\$768,158	\$758,867	\$1,338,739

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TOWN OF NEEDHAM DEBT SERVICE - SCHEDULE OF AUTHORIZED & ISSUED

Project	T.M. Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	After 2019
TOTAL						\$13,027,242	\$12,892,806	\$11,762,063	\$11,259,516	\$10,321,530	\$9,859,106	\$62,362,507

Note: Massachusetts Water Pollution Abatement Trust (MWPAT) loans include many communities and multiple loans and are frequently restructured by the Trust. The program provides grants and other financial assistance which in effect results in low or no interest rate loan.

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**Open Authorizations
Balances Not Yet Issued**

Approved	Project	Authorized	Balance
2001	Rosemary Pool Complex - Design	\$100,000	\$42,500
2006	Water System Rehabilitation (Warren Street)	\$913,500	\$30,000
2008	Sewer System Rehabilitation I/I Work	\$1,806,800	\$338,092
2009	Wastewater Pump Station at GPA	\$770,000	\$18,000
2009	Water Main Improvements	\$1,900,000	\$600,294
2009	Public Services Administration Bldg.	\$5,725,000	\$49,000
2010	Stormwater Master Plan Drainage Improvements (Latern & Gayland)	\$200,000	\$157,000
2010	Sewer Pump Station Reservoir B - Design	\$577,500	\$50,497
2010	Town Hall (CPA Portion)	\$14,029,233	\$1,210,000
2010	Town Hall (GF Portion)	\$4,126,513	\$465,000
2010	Newman School Extraordinary Repairs	\$26,962,128	\$456,447
2011	Road, Bridges, Sidewalks and Intersection Improvement Program	\$1,236,300	\$129,800
2012	Road, Bridges, Sidewalks and Intersection Improvement Program	\$1,100,000	\$150,000
2012	RTS Construction Equipment	\$86,000	\$12,000
2012	RTS Large Specialty Equipment - Semitractor	\$152,000	\$152,000

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**Open Authorizations
Balances Not Yet Issued**

Approved	Project	Authorized	Balance
2012	Senior Center Construction	\$8,051,808	\$1,434,308
2012	Sewer Pump Station Reservoir B	\$6,300,000	\$265,710
2013	Public Works Infrastructure Program	\$600,000	\$400,000
2013	Property Acquisition - 59 Lincoln Street & 89 School Street	\$1,175,000	\$117,500
2013	Property Acquisition - 37-39 Lincoln Street	\$630,000	\$25,000
2013	Soil Remediation at RTS	\$400,000	\$218,000
2013	Property Acquisition - 51 Lincoln Street	\$1,100,000	\$150,000
2014	RTS Construction Equipment (Waste Handler)	\$324,400	\$324,400
2014	Pollard School Boiler Replacement	\$800,000	\$235,000
2014	Public Works Infrastructure Program	\$600,000	\$600,000
2014	DPW Complex - Garage Bays	\$1,100,000	\$1,100,000
2014	St Mary's Pumping Station	\$5,565,100	\$5,565,100
2014	Property Acquisition - 66 - 70 Chestnut Street	\$1,458,000	\$1,458,000
Total		\$87,789,282	\$15,753,648

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**Open Authorizations
Balances Not Yet Issued**

Approved	Project	Authorized	Balance
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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.