

Debt Schedules

Section 10

Town of Needham
Capital Improvement Plan
January 2009

Debt Service to Revenue Issued, Authorized and Proposed for FY 2010 FY 2010 - FY 2014						
Description	2009	2010	2011	2012	2013	2014
Revenue						
General Fund Within the Levy *	\$93,246,511	\$98,078,411	\$101,862,574	\$105,673,959	\$109,522,357	\$113,515,256
General Fund Excluded from Levy **	\$5,798,069	\$6,029,888	\$7,203,838	\$6,607,255	\$6,258,255	\$6,065,222
CPA Revenue	\$2,225,000	\$1,899,950	\$1,688,944	\$1,731,167	\$1,774,447	\$1,818,808
RTS Revenue	\$1,607,420	\$1,655,421	\$1,696,807	\$1,739,227	\$1,782,707	\$1,827,275
Sewer Revenue	\$7,638,316	\$7,949,790	\$8,148,535	\$8,352,248	\$8,561,055	\$8,775,081
Water Revenue	\$5,741,577	\$5,746,144	\$5,889,797	\$6,037,042	\$6,187,968	\$6,342,668
Total Revenue	\$116,256,893	\$121,359,604	\$126,490,495	\$130,140,899	\$134,086,789	\$138,344,309
Debt Service						
General Debt (Table I)	\$2,654,127	\$2,747,025	\$1,964,479	\$2,286,043	\$2,017,354	\$673,969
CPA Debt (Table II)			\$227,500	\$516,250	\$618,625	\$802,250
RTS Debt (Table III)	\$150,000	\$150,000	\$195,325	\$136,500	\$114,300	\$53,000
Sewer Debt (Table IV)	\$1,175,000	\$1,200,000	\$1,182,658	\$1,254,684	\$1,235,678	\$1,191,423
Water Debt (Table V)	\$1,350,000	\$1,500,000	\$1,476,970	\$1,492,929	\$1,348,507	\$1,263,264
Gross Excluded Debt (Table VI)	\$6,908,136	\$7,139,955	\$8,313,905	\$7,352,636	\$7,003,636	\$6,810,603
Total Debt Service	\$12,237,264	\$12,736,980	\$13,360,837	\$13,039,042	\$12,338,100	\$10,794,508
Total Debt Service to Total Revenue	10.53%	10.50%	10.56%	10.02%	9.20%	7.80%
Total Debt Service to Total Revenue (less MSBA) ***	9.66%	9.67%	9.77%	9.50%	8.69%	7.30%
General Debt Service to General Revenue	2.85 %	2.80 %	1.93 %	2.16 %	1.84 %	0.59 %

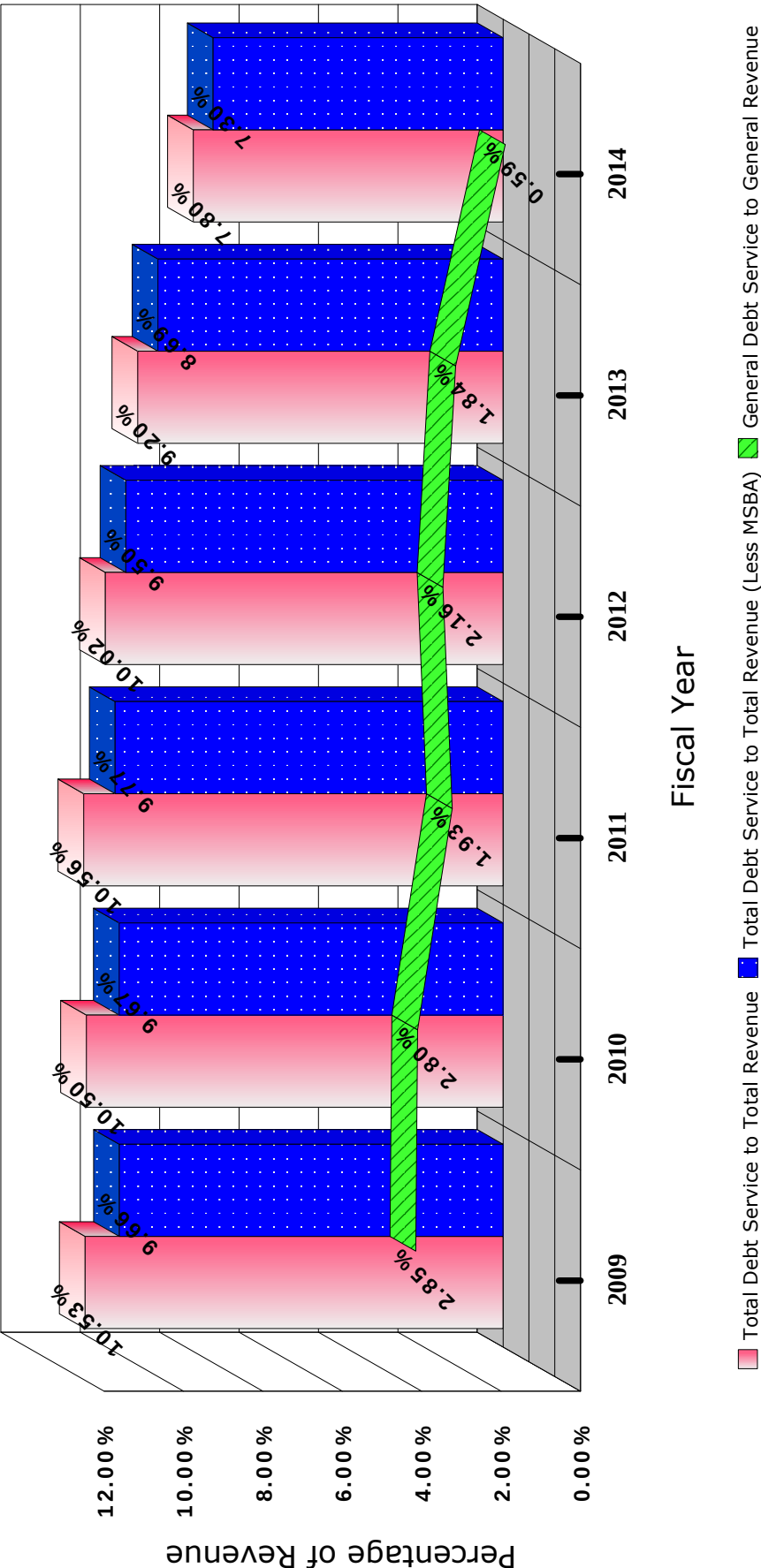
* FY 2010 - FY 2014 revenue is based on the August 2008 Five-Year Pro Forma

** 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

Debt Service as a Percentage of Revenue *

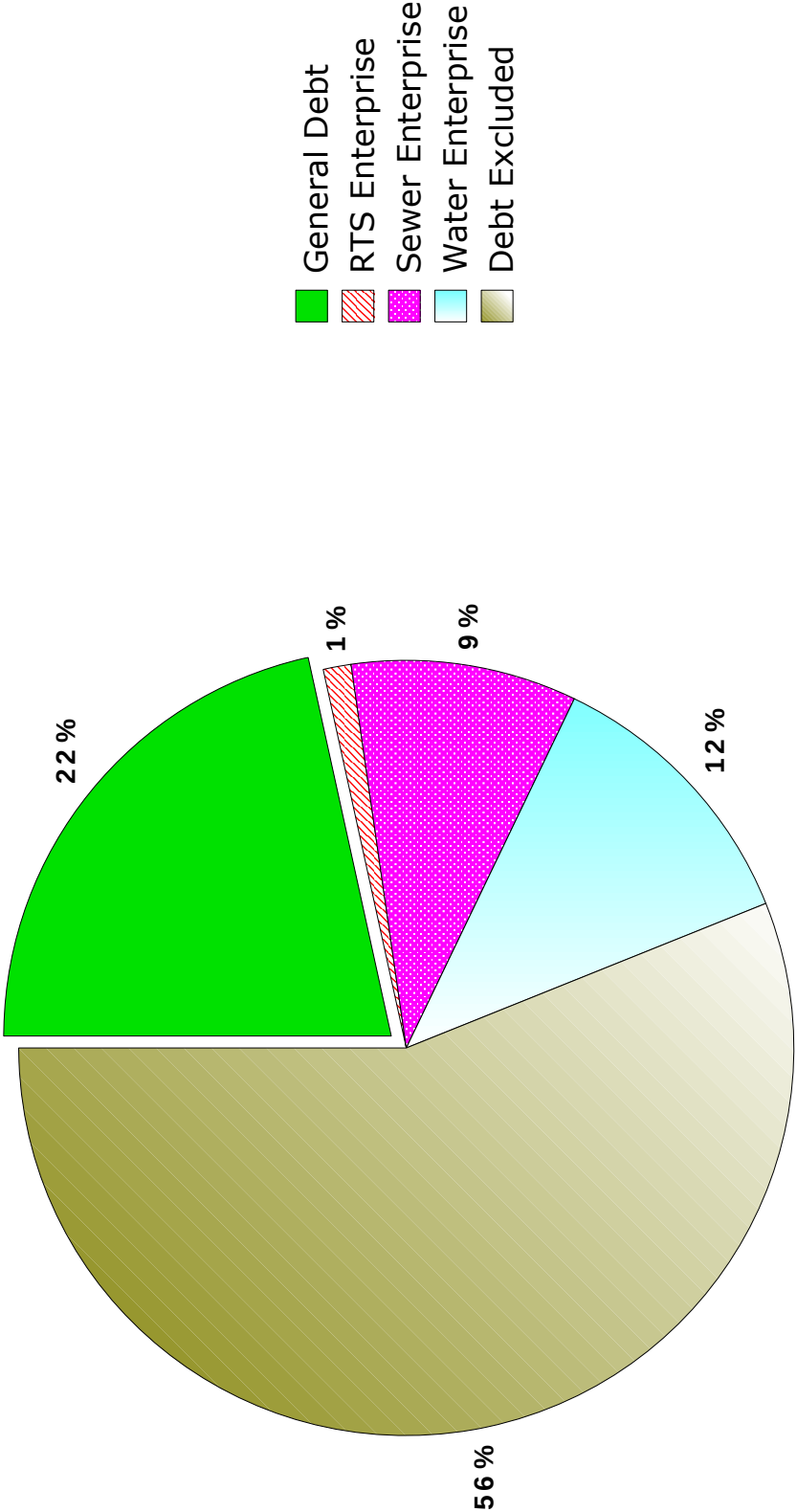
Includes Proposed Debt
FY 2009 - FY 2014



* Projected

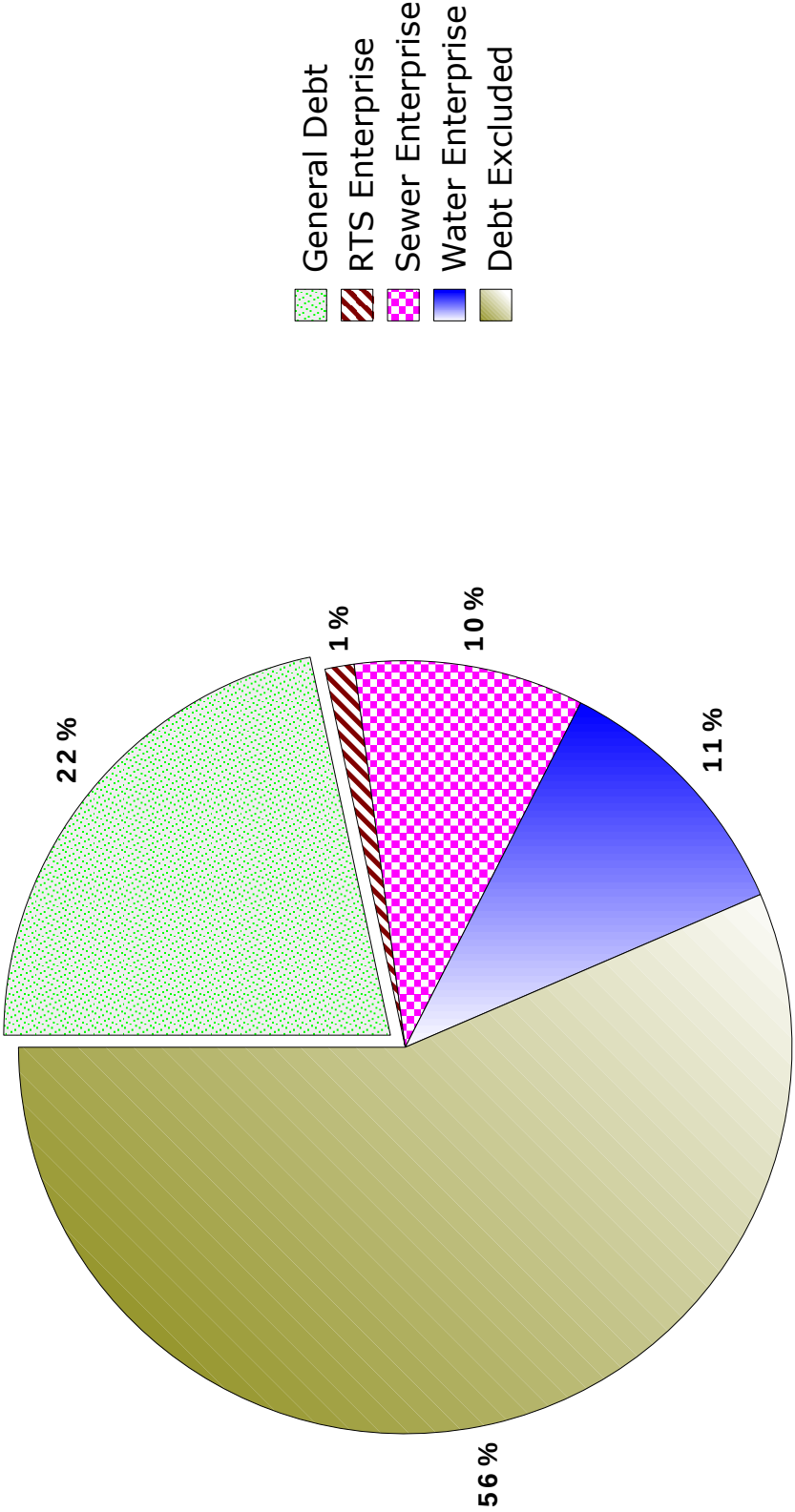
FY 2010 Debt Service

Share of Total



Projected Gross Debt Service
\$12,736,980

FY 2009 Debt Service
Share of Total



Projected Gross Debt Service
\$12,237,264

Town of Needham
Capital Improvement Plan
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Table I
General Fund Capital Projects
Proposed Funding by Debt
FY 2010

Project		Estimated Debt Service Schedule							
		2009	2010	2011	2012	2013	2014		
General Fund Within the Levy									
	Amount	Years	Bond Rate						
Roads, Bridges & Sidewalk Capital Program	\$875,000	5	6.00%			272,500	259,300	246,100	227,900
Kendrick Street Bridge Repair Design (Charles River)	\$125,000	5	6.00%			32,500	31,000	29,500	28,000
Town Hall Preservation Project ^	\$4,000,000	20	6.50%				529,482	544,400	314,900
Stormwater Master Plan Drainage Improvements	\$200,000	5	6.00%			62,000	59,000	56,000	53,000
Projected New General Fund Debt Service				\$367,000	\$878,782	\$876,000	\$876,000	\$623,800	
General Fund Debt									
Authorized & Issued (refer to schedule)				\$2,365,910	\$1,919,313	\$685,959	\$200,990	\$51,654	\$50,169
Authorized Not Yet Issued & Short Term Costs				\$288,217	\$827,712	\$911,520	\$1,206,270	\$1,089,700	
Proposed						\$367,000	\$878,782	\$876,000	\$623,800
Total General Fund Debt Service Within the Levy				\$2,654,127	\$2,747,025	\$1,964,479	\$2,286,043	\$2,017,354	\$673,969
General Fund Within the Levy Revenue *				\$93,246,511	\$98,078,411	\$101,862,574	\$105,673,959	\$109,522,357	\$113,515,256
Debt Service % of General Fund Revenue				2.85 %	2.80 %	1.93 %	2.16 %	1.84 %	0.59 %
* FY 2010 - FY 2014 revenue is based on the August 2008 Five-Year Pro Forma									

* FY 2010 - FY 2014 revenue is based on the August 2008 Five-Year Pro Forma

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Table II
CPA Capital Projects
Proposed Funding by Debt
FY 2010

		Estimated Debt Service Schedule							
Project	Amount	Years	Bond Rate	2009	2010	2011	2012	2013	2014
CPA Fund Debt									
Town Hall Preservation Project ^	\$7,000,000	20	6.50%			227,500	516,250	618,625	802,250
Projected New CPA Fund Debt Service						\$227,500	\$516,250	\$618,625	\$802,250
CPA Fund Debt									
Authorized & Issued									
Authorized Not Yet Issued & Short Term Costs									
Proposed ^						\$227,500	\$516,250	\$618,625	\$802,250
Total CPA Fund Debt Service						\$227,500	\$516,250	\$618,625	\$802,250

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Table III
Recycling & Solid Waste Disposal Capital Projects
Proposed Funding by Debt
FY 2010

Project	Estimated Debt Service Schedule								
	Amount	Years	Bond Rate	2009	2010	2011	2012	2013	2014
Recycling & Solid Waste Disposal Enterprise (RTS)									
Construction Equipment	\$230,000	4	6.00%			73,800	70,200	66,600	53,000
Projected New RTS Debt Service									
	\$230,000					\$73,800	\$70,200	\$66,600	\$53,000
RTS Enterprise Fund Debt									
Authorized & Issued (refer to schedule)				\$132,406	\$53,250	\$51,625			
Authorized Not Yet Issued & Short Term Costs				\$17,594	\$96,750	\$69,900	\$66,300	\$47,700	
Proposed						\$73,800	\$70,200	\$66,600	\$53,000
Total RTS Debt Service									
				\$150,000	\$150,000	\$195,325	\$136,500	\$114,300	\$53,000

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Table IV
Sewer Fund Capital Projects
Proposed Funding by Debt
FY 2010

Project		Estimated Debt Service Schedule								
		2009	2010	2011	2012	2013	2014			
Sewer Enterprise		Amount	Years	Bond Rate						
Wastewater Pump Station Reservoir "B" Design		\$577,500	5	6.00%			34,650	152,150	142,600	135,700
Projected New Sewer Debt Service		\$577,500					\$34,650	\$152,150	\$142,600	\$135,700
Sewer Enterprise Fund Debt										
Authorized & Issued (refer to schedule)					\$1,044,690	\$818,680	\$667,300	\$635,326	\$639,370	\$627,315
Authorized Not Yet Issued & Short Term Costs					\$130,310	\$381,320	\$480,708	\$467,208	\$453,708	\$428,408
Proposed							\$34,650	\$152,150	\$142,600	\$135,700
Total Sewer Debt Service					\$1,175,000	\$1,200,000	\$1,182,658	\$1,254,684	\$1,235,678	\$1,191,423

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Table V

Water Fund Capital Projects
Proposed Funding by Debt
FY 2010

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule				
				2010	2011	2012	2013	2014
<u>Water Enterprise</u>								
Water Distribution System Rehabilitation	\$1,000,000	10	6.50%			65,000	165,000	158,500
Projected New Water Debt Service	\$1,000,000					\$65,000	\$165,000	\$158,500
Water Enterprise Fund Debt								
Authorized & Issued (refer to schedule)				\$1,276,098	\$1,007,960	\$1,022,592	\$711,005	\$653,573
Authorized Not Yet Issued & Short Term Costs Proposed				\$73,902	\$469,010	\$405,337	\$472,502	\$451,191
						\$65,000	\$165,000	\$158,500
Total Water Debt Service				\$1,350,000	\$1,476,970	\$1,492,929	\$1,348,507	\$1,263,264

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Table VI
Capital Projects
Proposed Funding by Debt Exclusion
FY 2010

		Estimated Debt Service Schedule							
Project	Amount	Years	Bond Rate	2009	2010	2011	2012	2013	2014
General Fund Debt Excluded									
Projected New General Fund Debt Service Excluded									
General Fund Debt Excluded									
Authorized & Issued (refer to schedule)				\$5,937,949	\$6,338,846	\$6,151,955	\$5,255,036	\$4,970,386	\$4,841,703
Authorized Not Yet Issued & Short Term Costs				\$970,187	\$801,109	\$2,161,950	\$2,097,600	\$2,033,250	\$1,968,900
Proposed ****									
Total General Fund Excluded Debt Service				\$6,908,136	\$7,139,955	\$8,313,905	\$7,352,636	\$7,003,636	\$6,810,603
Projected SBA Payments/Other Adjustments									
				\$1,110,067	\$1,110,067	\$1,110,067	\$745,381	\$745,381	\$745,381
Net General Fund Excluded Debt Service *				\$5,798,069	\$6,029,888	\$7,203,838	\$6,607,255	\$6,258,255	\$6,065,222

* Before other offsets and credits

**** Although shown as proposed, the project is a place holder only until the Board of Selectmen completes its review of options.

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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 2008	Debt Service 2009	Debt Service 2010	Debt Service 2011	Debt Service 2012	Debt Service 2013	Debt Service 2014	After 2014
GENERAL FUND WITHIN THE LEVY LIMIT - AUTHORIZED & ISSUED													
DPW Roof	May-1998	\$274,000	Jun-1999	Jun-2009	4.47%	\$27,219	\$26,125 PAID						
Fire Truck #2	May-1998	\$300,000	Jun-1999	Jun-2009	4.45%	\$32,663	\$31,350 PAID						
High School Gym Roof	Nov-1998	\$171,900	Jun-1999	Jun-2009	4.49%	\$16,331	\$15,675 PAID						
High School Roof Repairs	May-1998	\$805,000	Jun-1999	Jun-2009	4.38%	\$129,750	\$104,500 PAID						
Title V - MWPAT T5-97-1027 - R	May-1997	\$85,894	Dec-1999	Aug-2019 (see note)		\$7,999	\$7,759	\$7,519	\$7,305	\$7,056	\$6,794	\$6,530	\$33,216
Storm Water - MWPAT 98-92 (Restructured)	May-1998	\$364,979	Sep-2001	Aug-2019 (see note)		\$37,910	\$36,857	\$36,878	\$34,831	\$34,506	\$33,750	\$32,889	\$192,094
High School HVAC	Nov-2001	\$330,000	May-2003	Nov-2008	2.03%	\$51,988	\$70,744 PAID						
High School HVAC	May-2002	\$350,000	May-2003	Nov-2007	1.98%	\$70,700 PAID							
High School Repair	Feb-2001	\$750,000	May-2003	Nov-2009	2.12%	\$105,531	\$128,203	\$75,938 PAID					
Pollard School Modular Classrooms	Nov-2001	\$1,712,000	May-2003	Nov-2010	2.33%	\$220,225	\$235,888	\$299,925	\$228,150 PAID				
Fire Engine	May-2004	\$365,000	Dec-2004	Dec-2008	3.30%	\$104,100	\$66,300 PAID						
Road Improvement Program	May-2001	\$435,000	Dec-2004	Dec-2008	3.39%	\$115,850	\$107,100 PAID						
Road Improvements - Parish Area	May-1999	\$129,000	Dec-2004	Dec-2008	3.82%	\$31,650	\$30,600 PAID						
Road Improvements (Series I)	May-2004	\$400,000	Dec-2004	Dec-2008	3.40%	\$105,500	\$102,000 PAID						
Sidewalk Improvements (Series I)	May-2004	\$115,000	Dec-2004	Dec-2008	3.36%	\$31,450	\$25,500 PAID						
Police Fire Complex Repairs	May-2003	\$400,000	Jun-2005	Jun-2010	3.17%	\$87,800	\$85,200	\$82,600 PAID					
Road & Intersection Improvements	May-2003	\$500,000	Jun-2005	Jun-2010	3.17%	\$109,750	\$106,500	\$103,250 PAID					
Ambulance	May-2005	\$120,250	Dec-2005	Feb-2010	3.41%	\$33,075	\$32,025	\$31,013 PAID					

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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 2008	Debt Service 2009	Debt Service 2010	Debt Service 2011	Debt Service 2012	Debt Service 2013	Debt Service 2014	After 2014
Police Fire Complex Repairs	May-2004	\$110,000	Dec-2005	Feb-2010	3.42%	\$32,738	\$31,688	\$20,675	PAID				
Road Improvements	May-2005	\$468,400	Dec-2005	Feb-2015	3.48%	\$117,598	\$103,923	\$100,716	\$32,510	\$11,460	\$11,110	\$10,750	\$10,380
Road Improvements (Series II)	May-2004	\$485,000	Dec-2005	Feb-2010	3.41%	\$132,300	\$128,100	\$124,050	PAID				
Sidewalk Improvements	May-2005	\$123,300	Dec-2005	Feb-2010	3.42%	\$33,075	\$32,025	\$31,013	PAID				
Sidewalk Improvements (Series II)	May-2004	\$50,000	Dec-2005	Feb-2010	3.43%	\$16,200	\$10,675	\$10,338	PAID				
Public Works Bucket Truck	May-2006	\$122,000	Nov-2006	May-2009	4.28%	\$29,443	\$57,338	PAID					
Roads, Bridges, Sidewalks & Intersections (Series I)	May-2006	\$500,000	Nov-2006	May-2010	4.11%	\$116,500	\$112,250	\$208,000	PAID				
School Technology Replacement	May-2006	\$166,000	Nov-2006	May-2009	4.30%	\$41,528	\$46,913	PAID					
Mitchell School Roof	Nov-2006	\$580,000	Jun-2007	Nov-2011	4.31%	\$140,046	\$132,106	\$127,219	\$122,331	\$117,444	PAID		
Roads, Bridges, Sidewalks & Intersections (Series II)	May-2006	\$340,000	Jun-2007	Nov-2010	4.33%	\$96,440	\$94,031	\$90,419	\$86,806	PAID			
Roads, Bridges, Sidewalks & Intersections	May-2007	\$1,100,000	Dec-2007	Jun-2010	3.31%	\$362,875	\$404,538	\$387,188	PAID				
Rosemary Pool Repairs	May-2001	\$2,000	Dec-2007	Jun-2008	3.44%	\$2,033	PAID						
Ambulance & EMS Reporting System	May-2008	\$160,000	Nov-2008	Aug-2010	3.40%			\$85,300	\$81,400				
Public Services Administrative Building Design	May-2008	\$120,000	Nov-2008	Aug-2010	3.40%			\$63,975	\$61,050				
Hillside & Mitchell Schools Paving Work	May-2008	\$90,000	Nov-2008	Aug-2011	3.46%			\$33,300	\$31,575	\$30,525			
GENERAL FUND DEBT SERVICE - WITHIN THE LEVY LIMIT						\$2,440,263	\$2,365,910	\$1,919,313	\$685,959	\$200,990	\$51,654	\$50,169	\$235,689

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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 2008	Debt Service 2009	Debt Service 2010	Debt Service 2011	Debt Service 2012	Debt Service 2013	Debt Service 2014	After 2014
GENERAL FUND DEBT EXCLUDED FROM THE LEVY LIMIT - AUTHORIZED & ISSUED													
High School Renovations	May-2000	\$5,350,000	Jun-2001	Jun-2011	4.00%	\$620,600	\$599,200	\$577,800	\$556,400	PAID			
Land Acquisition (Wiswall)	Nov-2000	\$1,930,000	Jun-2001	Jun-2011	4.00%	\$220,400	\$212,800	\$205,200	\$197,600	PAID			
Broadmeadow School	May-2000	\$14,000,000	Nov-2003	Nov-2023	4.09%	\$1,158,850	\$1,136,100	\$1,111,600	\$1,089,725	\$1,066,100	\$1,040,725	\$1,013,600	\$8,544,200
Library Project (Series I)	May-2003	\$11,000,000	Dec-2004	Dec-2019	3.90%	\$810,963	\$1,178,288	\$1,149,763	\$1,118,181	\$1,084,563	\$1,056,038	\$1,026,494	\$5,470,369
Eliot School	May-2000	\$5,500,000	Jun-2005	Jun-2025	3.82%	\$459,319	\$450,381	\$446,444	\$417,344	\$408,894	\$399,794	\$390,694	\$3,856,531
Library Project (Series II)	May-2003	\$750,000	Dec-2005	Feb-2015	3.59%	\$94,118	\$106,668	\$103,799	\$100,930	\$102,955	\$99,805	\$91,565	\$93,420
High School (Series I)	May-2003	\$10,000,000	Nov-2006	May-2026	4.01%	\$900,950	\$879,700	\$888,450	\$907,250	\$865,875	\$845,250	\$823,250	\$7,854,375
Library Project (Series III)	May-2003	\$114,000	Nov-2006	May-2008	4.31%	\$60,465	PAID						
High Rock School - Designs	Nov-2006	\$45,000	Dec-2007	Jun-2012	3.28%	\$731	\$16,463	\$10,975	\$10,650	\$10,325	PAID		
High Rock & Pollard School Projects	May-2007	\$600,000	Dec-2007	Jun-2012	3.28%	\$9,750	\$169,500	\$164,625	\$159,750	\$154,875	PAID		
High Rock School - Designs	Nov-2006	\$480,000	Jun-2008	Dec-2026	3.91%		\$47,563	\$41,406	\$40,594	\$39,781	\$38,969	\$38,156	\$409,500
High Rock & Pollard School Projects	May-2007	\$1,120,000	Jun-2008	Dec-2026	3.91%		\$101,050	\$98,575	\$96,625	\$94,675	\$92,725	\$90,775	\$954,000
High School (Series IIA)	May-2003	\$9,000,000	Jun-2008	Dec-2024	3.89%		\$856,875	\$835,013	\$817,788	\$800,563	\$783,338	\$766,113	\$7,098,600
High School (Series IIB)	Feb-2005	\$2,000,000	Jun-2008	Dec-2026	3.91%		\$183,363	\$173,906	\$170,494	\$167,081	\$163,669	\$160,256	\$1,719,900
High Rock & Pollard School Projects (Series III)	May-2007	\$5,000,000	Nov-2008	Aug-2027	4.69%			\$531,291	\$468,625	\$459,350	\$450,075	\$440,800	\$4,922,994
EXCLUDED DEBT						\$4,336,145	\$5,937,949	\$6,338,846	\$6,151,955	\$5,255,036	\$4,970,386	\$4,841,703	\$40,923,889

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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 2008	Debt Service 2009	Debt Service 2010	Debt Service 2011	Debt Service 2012	Debt Service 2013	Debt Service 2014	After 2014
RTS FUND DEBT FEE SUPPORTED - AUTHORIZED & ISSUED													
RTS Scale Replacement	May-2005	\$56,000	Dec-2005	Feb-2009	3.45%	\$21,206	\$15,506	PAID					
Transfer Trailer and Staging Pad	May-2004	\$36,000	Dec-2005	Feb-2009	3.45%	\$10,688	\$10,338	PAID					
Wood Grinder	May-2004	\$157,000	Dec-2005	Feb-2009	3.44%	\$53,438	\$51,688	PAID					
RTS Construction Equipment	May-2007	\$200,000	Dec-2007	Jun-2011	3.30%	\$53,250	\$54,875	\$53,250	\$51,625	PAID			
RTS DEBT SERVICE						\$138,581	\$132,406	\$53,250	\$51,625				

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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 2008	Debt Service 2009	Debt Service 2010	Debt Service 2011	Debt Service 2012	Debt Service 2013	Debt Service 2014	After 2014
SEWER FUND DEBT SERVICE FEE SUPPORTED - AUTHORIZED & ISSUED														
West Street Force Sewer Main	May-1998	\$881,800	Jun-1999	Jun-2019	4.83%		\$70,006	\$68,256	\$71,456	\$69,375	\$67,238	\$70,100	\$67,700	\$352,000
West Street Sewer Pump Station	May-1998	\$1,939,000	Jun-1999	Jun-2019	4.83%		\$151,065	\$152,346	\$153,296	\$153,903	\$154,153	\$154,165	\$153,885	\$768,000
Sewer - MWPAT 95-01 (Restructured)	May-1991	\$310,656	Aug-2001	Feb-2015 (see note)			\$32,598	\$32,169	\$32,162	\$32,130	\$32,110	\$32,080	\$32,061	\$32,021
Sewer System Rehab - I/I Work (Series I)	May-2003	\$400,000	Jun-2004	Nov-2007	3.00%		\$50,750	PAID						
Sewer - MWPAT 97-13 (Restructured)	Oct-1996	\$67,700	Nov-2004	Aug-2018 (see note)			\$7,079	\$6,955	\$6,805	\$6,815	\$6,406	\$6,558	\$6,509	\$31,533
Sewer - MWPAT 97-33 (Restructured)	Oct-1996	\$180,300	Nov-2004	Aug-2018 (see note)			\$18,929	\$18,630	\$18,001	\$18,160	\$17,194	\$17,593	\$17,427	\$83,518
Sewer - MWPAT 97-63 (Restructured 2)	May-1997	\$1,019,778	Nov-2004	Aug-2018 (see note)			\$106,959	\$105,269	\$101,808	\$102,444	\$97,017	\$99,729	\$98,417	\$473,073
Sewer - MWPAT 98-10 (Restructured)	May-1997	\$130,200	Nov-2004	Aug-2018 (see note)			\$13,643	\$13,411	\$12,944	\$13,071	\$12,388	\$12,793	\$12,594	\$60,370
Sewer System Rehab - I/I Work (Series II)	May-2003	\$425,000	Jun-2005	Jun-2014	3.14%		\$54,725	\$53,263	\$46,800	\$45,500	\$44,200	\$42,800	\$41,400	
Sewer Pump Station	May-2005	\$484,550	Dec-2005	Feb-2015	3.59%		\$65,227	\$68,477	\$66,621	\$64,765	\$62,840	\$60,915	\$58,935	\$51,900
Sewer Rehabilitation - Rte 128 Area (Series I)	Nov-2005	\$2,000,000	Jun-2007	Nov-2022	4.35%		\$343,279	\$319,413	\$308,788	\$161,138	\$141,781	\$142,638	\$138,388	\$973,556
Sewer Pump Station Design - GPA	May-2003	\$10,000	Dec-2007	Jun-2008	3.44%		\$10,163	PAID						
Sewer Rehabilitation - Rte 128 Area (Series II)	Nov-2005	\$400,000	Dec-2007	Jun-2009	3.34%		\$206,500	\$206,500	PAID					
SEWER DEBT SERVICE							\$1,130,922	\$1,044,690	\$818,680	\$667,300	\$636,326	\$639,370	\$627,315	\$2,825,972

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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 2008	Debt Service 2009	Debt Service 2010	Debt Service 2011	Debt Service 2012	Debt Service 2013	Debt Service 2014	After 2014
WATER FUND DEBT SERVICE FEE SUPPORTED - AUTHORIZED & ISSUED													
Water Treatment Facility	Nov-1997	\$3,090,000	Jun-1999	Jun-2019	4.83%	\$245,490	\$244,365	\$242,840	\$245,903	\$243,303	\$245,465	\$247,065	\$1,224,750
Water Treatment Facility	May-1996	\$2,665,000	Jun-1999	Jun-2019	4.83%	\$210,483	\$210,233	\$209,608	\$208,595	\$212,183	\$210,295	\$208,095	\$1,050,750
Water Systems - Broadmeadow Area	Nov-2000	\$257,304	Jul-2001	Aug-2011	ZERO	\$25,730	\$25,730	\$25,730	\$25,730	\$25,730	PAID		
Water System Improvement	May-2001	\$665,000	May-2003	Nov-2009	2.12%	\$73,813	\$72,369	\$65,813	PAID				
Water System Rehab - GPA	May-2003	\$500,000	Jun-2004	Nov-2007	3.00%	\$152,250	PAID						
Water System Designs - St. Mary	Nov-2002	\$120,000	Dec-2004	Dec-2008	3.40%	\$31,650	\$30,600	PAID					
Water System Designs - Webster Area (Series I)	Nov-2002	\$85,000	Dec-2004	Dec-2008	3.39%	\$21,100	\$20,400	PAID					
Water System Designs - Warren Area	May-2004	\$50,000	Dec-2005	Feb-2011	3.44%	\$11,375	\$11,025	\$10,688	\$10,350	PAID			
Water System Rehab - Warren Area (Series I)	May-2005	\$413,500	Dec-2005	Feb-2015	3.60%	\$58,133	\$56,558	\$55,039	\$53,520	\$51,945	\$50,370	\$53,750	\$51,900
Water Treatment Plant Computer System (Series I)	May-2004	\$42,000	Dec-2005	Feb-2009	3.44%	\$16,031	\$15,506	PAID					
Water System Rehab - Warren Area (Series II)	May-2005	\$330,000	Nov-2006	May-2010	4.16%	\$78,750	\$75,775	\$72,800	PAID				
Water System Rehab - Webster Area (Series I)	May-2003	\$788,000	Nov-2006	May-2010	4.16%	\$234,615	\$247,775	\$208,000	PAID				
Water Service Connections (Series I)	May-2006	\$50,000	Jun-2007	Nov-2011	4.31%	\$11,735	\$11,488	\$11,063	\$10,638	\$10,213	PAID		
Water System Rehab - Rte 128 Area (Series I)	May-2006	\$1,500,000	Jun-2007	Nov-2022	4.32%	\$98,596	\$102,300	\$100,600	\$138,050	\$178,694	\$148,913	\$144,663	\$1,170,644
Water Service Connections (Series II)	May-2006	\$100,000	Dec-2007	Jun-2012	3.28%	\$1,625	\$28,250	\$27,438	\$26,625	\$25,813	PAID		
Water Storage Tank Rehabilitation	May-2007	\$600,000	Dec-2007	Jun-2012	3.28%	\$9,750	\$79,500	\$197,550	\$191,700	\$185,850	PAID		
Water System Design	May-2001	\$25,000	Dec-2007	Jun-2012	3.28%	\$406	\$10,813	\$5,488	\$5,325	\$5,163	PAID		
Water System Designs - Webster Area (Series II)	Nov-2002	\$8,000	Dec-2007	Jun-2008	3.44%	\$8,130	PAID						

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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 2008	Debt Service 2009	Debt Service 2010	Debt Service 2011	Debt Service 2012	Debt Service 2013	Debt Service 2014	After 2014
Water System Rehab - Warren Area (Series III)	May-2005	\$5,000	Dec-2007	Jun-2008	3.44%	\$5,081	PAID						
Water System Rehab - Webster Area (Series II)	May-2003	\$100,000	Dec-2007	Jun-2012	3.28%	\$1,625	\$28,250	\$27,438	\$26,625	\$25,813	PAID		
Water Treatment Plant Computer System (Series II)	May-2004	\$10,000	Dec-2007	Jun-2009	3.34%	\$5,163	\$5,163	PAID					
Water System Rehabilitation - Rte 128 Area	May-2006	\$230,000	Nov-2008	Aug-2012	3.48%			\$68,788	\$64,900	\$57,888	\$55,963		
WATER DEBT SERVICE						\$1,301,530	\$1,276,098	\$1,328,879	\$1,007,960	\$1,022,592	\$711,005	\$653,573	\$3,498,044
TOTAL						\$9,347,442	\$10,757,054	\$10,458,968	\$8,564,799	\$7,113,944	\$6,372,416	\$6,172,759	\$47,483,594

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. Under the program the Town usually pays less than it borrows from the Trust.

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Town of Needham
Current Long Term Debt Service Obligations
Inclusive of November 2008 Bond Issue

Fiscal Year	General	Excluded	CPA	RTS	Sewer	Water	Total
FY 2008	\$2,440,263	\$4,336,145		\$138,581	\$1,130,922	\$1,301,530	\$9,347,442
FY 2009	\$2,365,910	\$5,937,949		\$132,406	\$1,044,690	\$1,276,098	\$10,757,054
FY 2010	\$1,919,313	\$6,338,846		\$53,250	\$818,680	\$1,328,879	\$10,458,968
FY 2011	\$685,959	\$6,151,955		\$51,625	\$667,300	\$1,007,960	\$8,564,799
FY 2012	\$200,990	\$5,255,036			\$635,326	\$1,022,592	\$7,113,944
FY 2013	\$51,654	\$4,970,386			\$639,370	\$711,005	\$6,372,416
FY 2014	\$50,169	\$4,841,703			\$627,315	\$653,573	\$6,172,759
FY 2015	\$52,295	\$4,759,539			\$576,162	\$645,688	\$6,033,683
FY 2016	\$40,075	\$4,539,019			\$486,187	\$591,288	\$5,656,568
FY 2017	\$38,365	\$4,406,669			\$479,802	\$582,538	\$5,507,373
FY 2018	\$36,541	\$4,272,650			\$471,169	\$583,513	\$5,363,872
FY 2019	\$34,994	\$4,106,294			\$462,008	\$578,663	\$5,181,957
FY 2020	\$33,421	\$3,917,938			\$111,488	\$117,763	\$4,180,608
FY 2021		\$2,989,294			\$82,856	\$138,094	\$3,210,244
FY 2022		\$2,880,219			\$79,725	\$132,875	\$3,092,819
FY 2023		\$2,775,569			\$76,575	\$127,625	\$2,979,769
FY 2024		\$2,660,681					\$2,660,681
FY 2025		\$1,872,094					\$1,872,094
FY 2026		\$1,009,225					\$1,009,225
FY 2027		\$468,200					\$468,200
FY 2028		\$266,500					\$266,500

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Previously Approved Debt Funded Capital
Open Projects
Authorized Balance Not Yet Issued

Approved	Project	Authorized	Balance
2001	Rosemary Pool Complex - Design	\$100,000	\$72,500
2003	Dedham Avenue Parking Lot	\$180,000	\$46,500
2003	Richardson Drive Sewer Pump Station	\$500,000	\$500,000
2003	St. Mary's Water Pumping Station Design	\$300,000	\$180,000
2003	Webster Street Water System Design and Engineering	\$105,000	\$11,000
2004	High School Renovation	\$51,300,000	\$1,594,604
2004	Library New Facility	\$15,700,000	\$42,497
2004	Sewer System Rehabilitation	\$1,000,000	\$175,000
2006	GPA Sewer Pump Station	\$984,550	\$500,000
2006	High School Construction Supplement	\$10,700,000	\$6,412,750
2006	Ridge Hill Rehabilitation	\$126,875	\$115,000
2006	Rte 128 Sewer System Improvements	\$3,500,000	\$655,000
2006	Warren Street Water System Improvements	\$913,500	\$45,000
2007	Mitchell School Roof Repair	\$700,000	\$90,000
2007	Public Works Vehicle & Equipment	\$140,000	\$18,000

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**Previously Approved Debt Funded Capital
Open Projects
Authorized Balance Not Yet Issued**

Approved	Project	Authorized	Balance
2007	Rte 128 Water System Improvements	\$3,000,000	\$1,270,000
2007	Water Service Connections	\$205,000	\$55,000
2008	High Rock & Pollard School Projects	\$20,475,000	\$13,755,000
2008	RTS Construction Equipment	\$230,000	\$30,000
2008	Sewer System Rehabilitation I/I Work	\$1,806,800	\$1,756,800
2009	Ambulance & EMS Reporting System	\$205,000	\$45,000
2009	Collection Packer Equipment	\$225,000	\$225,000
2009	Hillside & Mitchell School Parking & Play Area Improvements	\$160,000	\$70,000
2009	Municipal Parking Lot Improvements	\$105,000	\$105,000
2009	Public Safety Building Roof	\$535,000	\$535,000
2009	Public Services Administration Bldg	\$5,725,000	\$5,725,000
2009	Public Services Administration Bldg (Design)	\$500,000	\$380,000
2009	Road, Bridges, Sidewalks and Intersection Improvement	\$820,000	\$820,000
2009	Street & Traffic Light Improvements	\$105,000	\$105,000
2009	Wastewater Pump Station At GPA	\$770,000	\$770,000

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Previously Approved Debt Funded Capital
Open Projects
Authorized Balance Not Yet Issued

Approved	Project	Authorized	Balance
2009	Water Main Improvements	\$1,900,000	\$1,900,000
2009	Water Storage Tank Cleaning & Painting	\$730,000	\$730,000
Total		\$125,255,455	\$38,734,651

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