

Town of Needham
Capital Improvement Plan
January 2011

Debt Service to Revenue
Issued, Authorized and Proposed for FY 2012
FY 2012 - FY 2016

Description	2011	2012	2013	2014	2015	2016
Revenue						
General Fund Within the Levy *	\$101,168,529	\$103,957,544	\$107,782,744	\$111,152,160	\$114,650,595	\$118,283,964
General Fund Excluded from Levy **	\$7,255,894	\$6,676,894	\$7,059,518	\$7,425,608	\$7,074,495	\$6,740,150
CPA Revenue	\$1,980,199	\$1,925,935	\$1,997,195	\$2,071,091	\$2,147,721	\$2,227,187
RTS Revenue	\$1,452,510	\$1,481,560	\$1,511,191	\$1,541,415	\$1,572,244	\$1,603,688
Sewer Revenue	\$7,738,166	\$7,892,929	\$8,050,788	\$8,211,804	\$8,376,040	\$8,543,561
Water Revenue	\$4,829,688	\$4,950,430	\$5,074,191	\$5,201,046	\$5,331,072	\$5,464,349
Total Revenue	\$124,424,986	\$126,885,293	\$131,475,626	\$135,603,123	\$139,152,166	\$142,862,899
Debt Service						
General Debt (Table I)	\$2,967,712	\$3,121,297	\$3,208,767	\$2,756,831	\$2,498,407	\$2,343,106
CPA Debt (Table II)		\$300,000	\$550,000	\$770,000	\$779,000	\$756,200
RTS Debt (Table III)	\$150,000	\$150,000	\$147,150	\$95,800	\$52,500	
Sewer Debt (Table IV)	\$1,250,000	\$1,350,000	\$1,414,748	\$1,463,588	\$1,481,857	\$1,296,373
Water Debt (Table V)	\$1,500,000	\$1,550,000	\$1,259,768	\$1,180,985	\$1,157,288	\$997,638
Gross Excluded Debt (Table VI)	\$8,438,760	\$7,422,275	\$7,804,899	\$8,170,989	\$7,819,876	\$7,485,531
Total Debt Service	\$14,306,472	\$13,893,572	\$14,385,331	\$14,438,193	\$13,788,928	\$12,878,848
Total Debt Service to Total Revenue	11.50%	10.95%	10.94%	10.65%	9.91%	9.01%
Total Debt Service to Total Revenue (less MSBA) ***	10.65%	10.42%	10.43%	10.15%	9.42%	8.54%
General Debt Service to General Revenue	2.93%	3.00%	2.98%	2.48%	2.18%	1.98%

* FY 2012 - FY 2016 revenue is based on the August 2010 Five-Year Pro Forma modified based on current estimates.

** Excludes Massachusetts School Building Assistance (MSBA) Revenue

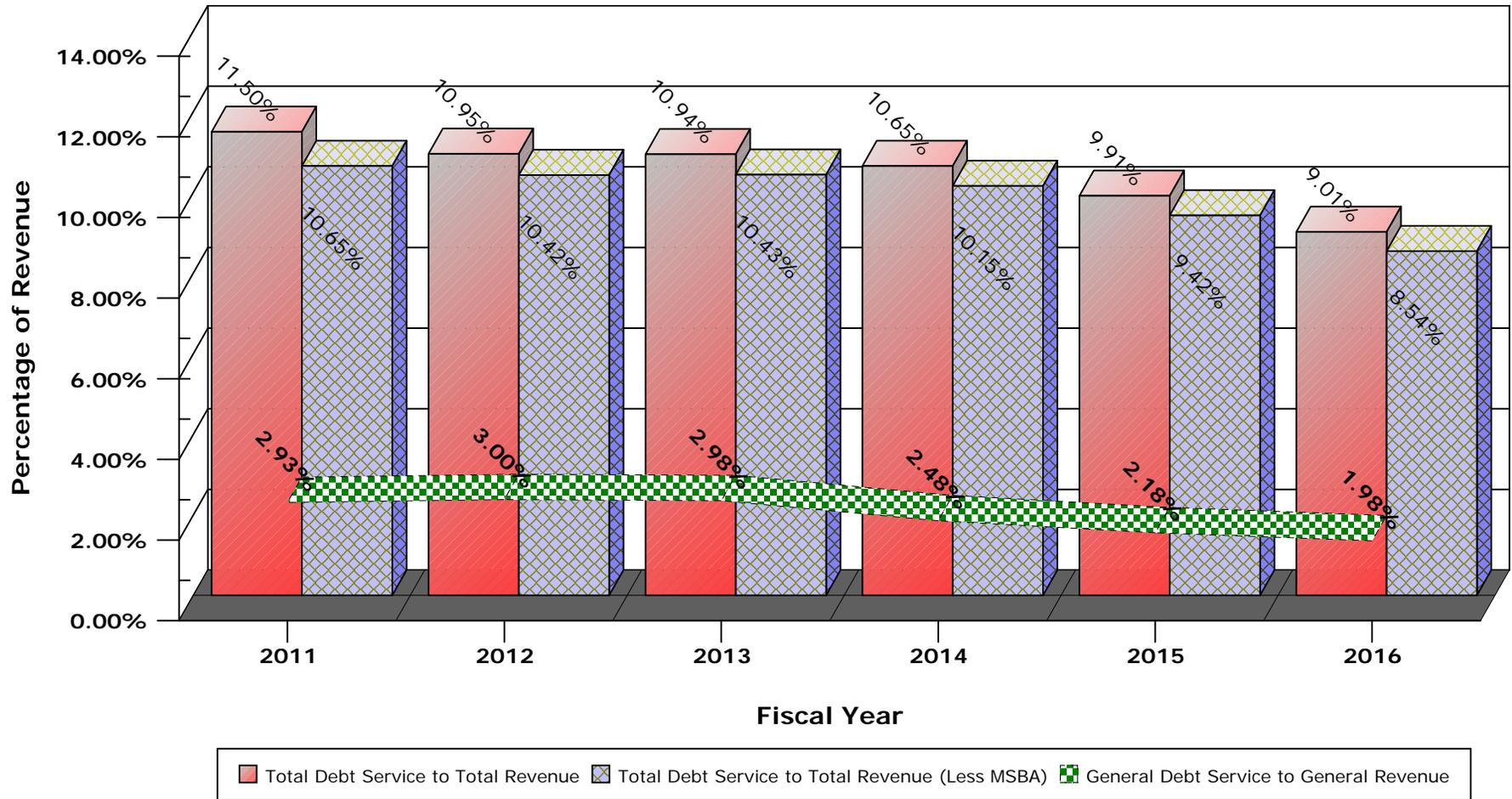
*** Uses net general fund debt excluded figure (or actual debt to be paid by Town after MSBA payment) see table VI

Town of Needham
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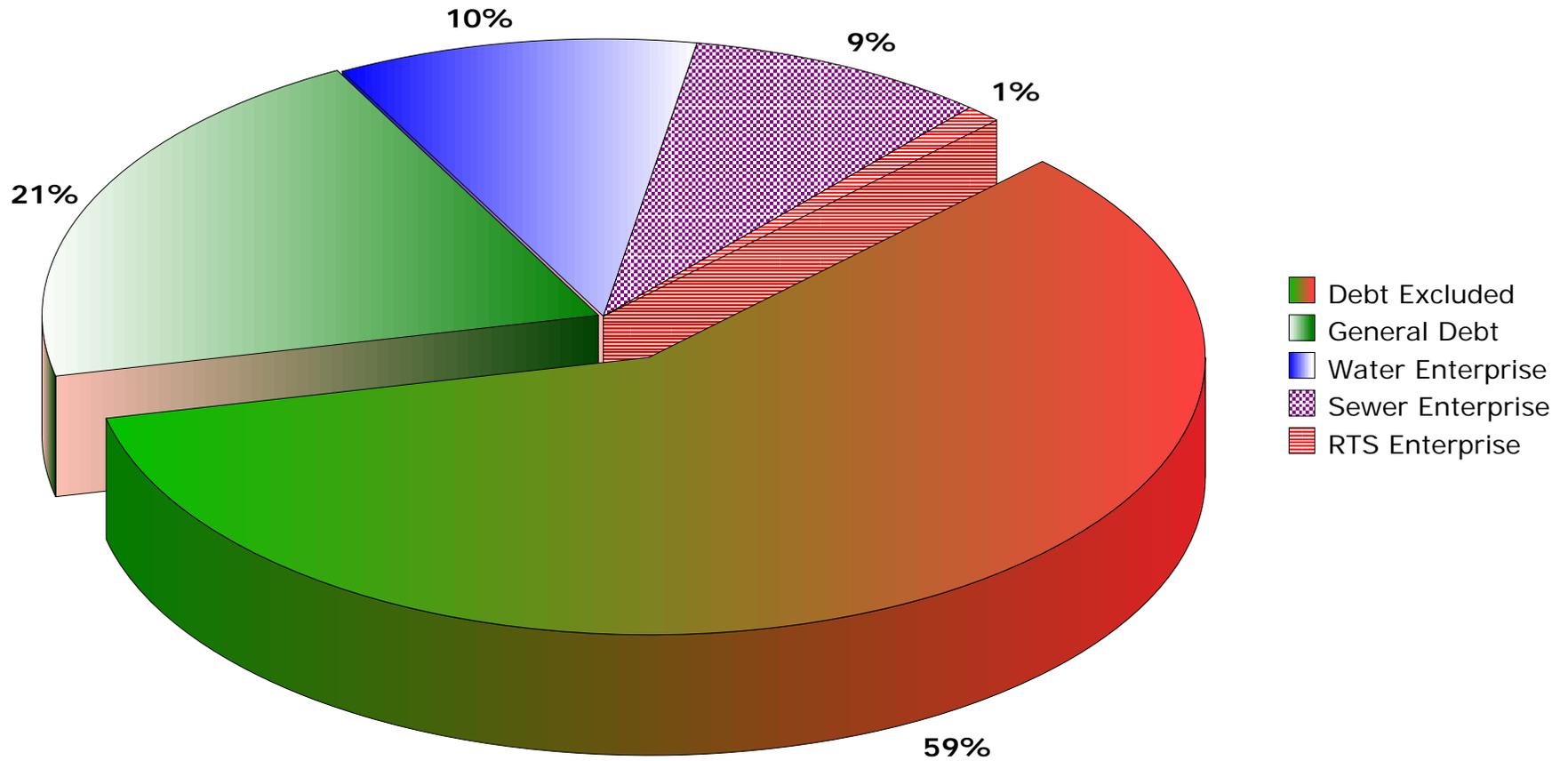
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Debt Service as a Percentage of Revenue *
 Includes Proposed Debt
 FY 2011 - FY 2016



* Projected

FY 2011 Debt Service Share of Total



Projected Gross Debt Service
\$14,306,472

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Table I
General Fund Capital Projects
Proposed Funding by Debt
FY 2012

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2011	2012	2013	2014	2015	2016
General Fund Within the Levy									
Emergency One Fire Engine	\$400,000	4	5.00%			\$120,000	\$115,000	\$110,000	\$105,000
High School C Building Roof	\$320,000	5	5.00%			\$81,000	\$77,750	\$74,500	\$71,250
Public Works Infrastructure Program	\$1,300,000	5	5.50%			\$331,500	\$317,200	\$302,900	\$288,600 *
Pollard Interior & Exterior Improvement Phase I#	\$1,083,000	4	5.00%		\$162,500	\$353,500	\$230,000	\$220,000	\$210,000
Pollard School Roof#	\$3,500,000	15	6.00%		\$445,000	\$430,900	\$416,800	\$402,700	\$388,600 *
New Senior Center****	\$8,500,000								
Less amounts already appropriatedated	(\$4,325,000)								
Projected New General Fund Debt Service#	\$10,778,000				\$607,500	\$1,316,900	\$1,156,750	\$1,110,100	\$1,063,450
General Fund Debt									
Authorized & Issued (refer to schedule)				\$2,712,169	\$1,499,053	\$1,321,467	\$1,048,281	\$855,107	\$765,056
Authorized Not Yet Issued & Short Term Costs				\$255,543	\$1,014,744	\$570,400	\$551,800	\$533,200	\$514,600
Proposed#					\$607,500	\$1,316,900	\$1,156,750	\$1,110,100	\$1,063,450
Total General Fund Debt Service Within the Levy				\$2,967,712	\$3,121,297	\$3,208,767	\$2,756,831	\$2,498,407	\$2,343,106
General Fund Within the Levy Revenue *				\$101,168,529	\$103,957,544	\$107,782,744	\$111,152,160	\$114,650,595	\$118,283,964
Debt Service % of General Fund Revenue				2.93%	3.00%	2.98%	2.48%	2.18%	1.98%

**** Although the CIP includes \$8.5M for a senior center, the actual amount and the make-up of the funding has not yet been finalized. The PPBC is now underway with the feasibility and design process to obtain a firmer estimate before a proposal is presented to Town Meeting.

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Table II
 CPA Capital Projects
 Proposed Funding by Debt
 FY 2012

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2011	2012	2013	2014	2015	2016

CPA Fund Debt

No Debt Financed Projects Recommended for FY2012

Projected New CPA Fund Debt Service

CPA Fund Debt

Authorized & Issued

Authorized Not Yet Issued & Short Term Costs

Proposed

\$300,000 \$550,000 \$770,000 \$779,000 \$756,200

Total CPA Fund Debt Service					\$300,000	\$550,000	\$770,000	\$779,000	\$756,200
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Table III
Recycling & Solid Waste Disposal Capital Projects
Proposed Funding by Debt
FY 2012

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule						
				2011	2012	2013	2014	2015	2016	
Recycling & Solid Waste Disposal Enterprise (RTS)										
Large Specialty Equipment	\$152,000	3	5.00%			\$59,600	\$55,000	\$52,500		
Projected New RTS Debt Service				\$152,000			\$59,600	\$55,000	\$52,500	
RTS Enterprise Fund Debt										
Authorized & Issued (refer to schedule)				\$149,673	\$94,350	\$87,550	\$40,800			
Authorized Not Yet Issued & Short Term Costs				\$327	\$55,650					
Proposed						\$59,600	\$55,000	\$52,500		
Total RTS Debt Service				\$150,000	\$150,000	\$147,150	\$95,800	\$52,500		

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Table IV
Sewer Fund Capital Projects
Proposed Funding by Debt
FY 2012

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2011	2012	2013	2014	2015	2016
Sewer Enterprise									
Wastewater Pump Station Reservoir "B"	\$5,017,000	15 - 25	6.00%			\$185,340	\$257,960	\$489,320	\$502,320
Projected New Sewer Debt Service	\$5,017,000					\$185,340	\$257,960	\$489,320	\$502,320
Sewer Enterprise Fund Debt									
Authorized & Issued (refer to schedule)				\$1,238,452	\$1,070,939	\$1,069,408	\$1,051,628	\$844,537	\$652,053
Authorized Not Yet Issued & Short Term Costs				\$11,548	\$279,061	\$160,000	\$154,000	\$148,000	\$142,000
Proposed						\$185,340	\$257,960	\$489,320	\$502,320
Total Sewer Debt Service				\$1,250,000	\$1,350,000	\$1,414,748	\$1,463,588	\$1,481,857	\$1,296,373

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Table V
Water Fund Capital Projects
Proposed Funding by Debt
FY 2012

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2011	2012	2013	2014	2015	2016
Water Enterprise									
No Debt Financed Projects Recommended for FY2012									
Projected New Water Debt Service									
Water Enterprise Fund Debt									
Authorized & Issued (refer to schedule)				\$1,483,589	\$1,288,304	\$961,768	\$894,385	\$882,088	\$733,838
Authorized Not Yet Issued & Short Term Costs				\$16,411	\$261,696	\$298,000	\$286,600	\$275,200	\$263,800
Proposed									
Total Water Debt Service				\$1,500,000	\$1,550,000	\$1,259,768	\$1,180,985	\$1,157,288	\$997,638

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Table VI
Capital Projects
Proposed Funding by Debt Exclusion
FY 2012

Project	Amount	Years	Bond Rate	Estimated Debt Service Schedule					
				2011	2012	2013	2014	2015	2016
General Fund Debt Excluded									
No Debt Financed Projects Recommended for FY2012									
Projected New General Fund Debt Service Excluded									
General Fund Debt Excluded									
Authorized & Issued (refer to schedule)				\$8,297,704	\$6,718,524	\$6,382,449	\$6,176,940	\$6,025,276	\$5,741,331
Authorized Not Yet Issued & Short Term Costs				\$141,056	\$703,751	\$1,422,450	\$1,994,049	\$1,794,600	\$1,744,200
Proposed									
Total General Fund Excluded Debt Service				\$8,438,760	\$7,422,275	\$7,804,899	\$8,170,989	\$7,819,876	\$7,485,531
Projected SBA Payments/Other Adjustments				\$1,182,866	\$745,381	\$745,381	\$745,381	\$745,381	\$745,381
Net General Fund Excluded Debt Service *				\$7,255,894	\$6,676,894	\$7,059,518	\$7,425,608	\$7,074,495	\$6,740,150

* Before other offsets and credits

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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	After					
						2011	2012	2013	2014	2015	2016	2016
GENERAL FUND WITHIN THE LEVY LIMIT - AUTHORIZED & ISSUED												
Title V - MWPAT T5-97-1027 - R	May-97	\$85,894	Dec-99	Aug-19	(see note)	\$7,305	\$7,056	\$6,794	\$6,530	\$6,265	\$5,923	\$21,028
Storm Water - MWPAT 98-92 (Restructured)	May-98	\$364,979	Sep-01	Aug-19	(see note)	\$34,831	\$34,506	\$33,750	\$32,889	\$35,650	\$34,152	\$122,292
Pollard School Modular Classrooms	Nov-01	\$1,712,000	May-03	Nov-10	2.33%	\$228,150	PAID					
Road Improvements	May-05	\$468,400	Dec-05	Feb-15	3.48%	\$32,510	\$11,460	\$11,110	\$10,750	\$10,380	PAID	
Mitchell School Roof	Nov-06	\$580,000	Jun-07	Nov-11	4.31%	\$122,331	\$117,444	PAID				
Roads, Bridges, Sidewalks & Intersections (Series II)	May-06	\$340,000	Jun-07	Nov-10	4.33%	\$86,806	PAID					
Ambulance & EMS Reporting System	May-08	\$160,000	Nov-08	Aug-10	3.40%	\$81,400	PAID					
Public Services Administrative Building Design	May-08	\$120,000	Nov-08	Aug-10	3.40%	\$61,050	PAID					
Hillside & Mitchell Schools Paving Work	May-08	\$90,000	Nov-08	Aug-11	3.46%	\$31,575	\$30,525	PAID				
Road, Bridges, Sidewalks and Intersection Improvement	May-08	\$820,000	Jun-09	Jun-13	2.40%	\$219,350	\$213,200	\$209,100	PAID			
Street & Traffic Light Improvements	May-08	\$80,000	Jun-09	Jun-11	3.33%	\$41,200	PAID					
Public Services Administration Building	Oct-08	\$4,000,000	Dec-09	Aug-26	3.16%	\$363,375	\$344,325	\$339,525	\$334,725	\$329,925	\$325,125	\$3,037,163
Road, Bridges, Sidewalks and Intersection Improvement	May-09	\$165,000	Dec-09	Aug-13	2.00%	\$48,272	\$42,000	\$41,200	\$40,400	PAID		
Public Safety Building Roof	May-08	\$350,000	Jun-10	Dec-14	2.20%	\$76,701	\$75,600	\$73,850	\$72,100	\$70,700	PAID	
Public Services Administration Building (Series II)	Oct-08	\$1,000,000	Jun-10	Dec-24	3.07%	\$86,251	\$86,138	\$84,638	\$83,138	\$81,938	\$85,606	\$732,788
Road, Bridges, Sidewalks and Intersection Improvement	May-09	\$530,000	Jun-10	Dec-13	2.31%	\$145,087	\$142,850	\$134,550	\$131,300	PAID		
Public Services Administration Building (Series III)	Oct-08	\$125,000	Oct-10	Apr-14	2.10%	\$75,899	\$21,200	\$20,800	\$10,200	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	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	After
						2011	2012	2013	2014	2015	2016	2016
Public Safety Building Roof	May-08	\$20,000	Oct-10	Apr-11	1.00%	\$20,092	PAID					
Stormwater Master Plan Drainage	May-09	\$30,000	Oct-10	Apr-11	1.00%	\$30,138	PAID					
Kendrick Street Bridge Design	May-09	\$75,000	Oct-10	Apr-11	1.00%	\$75,346	PAID					
Town Hall Project (Series I)	May-09	\$2,500,000	Oct-10	Apr-17	2.24%	\$722,249	\$341,250	\$335,250	\$326,250	\$320,250	\$314,250	\$307,500
Road, Bridges, Sidewalks and Intersection Improvement	May-09	\$180,000	Oct-10	Apr-13	2.11%	\$121,245	\$31,500	\$30,900	PAID			
Parking Lot Dedham Avenue	Nov-02	\$1,000	Oct-10	Apr-11	1.00%	\$1,005	PAID					
GENERAL FUND DEBT SERVICE - WITHIN THE LEVY LIMIT						\$2,712,169	\$1,499,053	\$1,321,467	\$1,048,281	\$855,107	\$765,056	\$4,220,770

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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	After					
						2011	2012	2013	2014	2015	2016	2016
GENERAL FUND DEBT EXCLUDED FROM THE LEVY LIMIT - AUTHORIZED & ISSUED												
High School Renovations	May-00	\$5,350,000	Jun-01	Jun-11	4.00%	\$556,400	PAID					
Land Acquisition (Wiswall)	Nov-00	\$1,930,000	Jun-01	Jun-11	4.00%	\$197,600	PAID				PAID	
Broadmeadow School	May-00	\$14,000,000	Nov-03	Nov-23	4.09%	\$1,089,725	\$1,066,100	\$1,040,725	\$1,013,600	\$985,600	\$957,600	\$6,601,000
Library Project (Series I)	May-03	\$11,000,000	Dec-04	Dec-19	3.90%	\$1,118,181	\$1,084,563	\$1,056,038	\$1,026,494	\$994,913	\$962,313	\$3,513,144
Elliot School	May-00	\$5,500,000	Jun-05	Jun-25	3.82%	\$417,344	\$408,894	\$399,794	\$390,694	\$421,594	\$411,094	\$3,023,844
Library Project (Series II)	May-03	\$750,000	Dec-05	Feb-15	3.59%	\$100,930	\$102,955	\$99,805	\$91,565	\$93,420	PAID	
High School (Series I)	May-03	\$10,000,000	Nov-06	May-26	4.01%	\$907,250	\$865,875	\$845,250	\$823,250	\$801,250	\$779,250	\$6,273,875
High Rock School - Designs	Nov-06	\$45,000	Dec-07	Jun-12	3.28%	\$10,650	\$10,325	PAID				
High Rock & Pollard School Projects	May-07	\$600,000	Dec-07	Jun-12	3.28%	\$159,750	\$154,875	PAID				
High Rock School - Designs	Nov-06	\$480,000	Jun-08	Dec-26	3.91%	\$40,594	\$39,781	\$38,969	\$38,156	\$37,344	\$36,531	\$335,625
High Rock & Pollard School Projects	May-07	\$1,120,000	Jun-08	Dec-26	3.91%	\$96,625	\$94,675	\$92,725	\$90,775	\$88,825	\$86,875	\$778,300
High School (Series IIA)	May-03	\$9,000,000	Jun-08	Dec-24	3.89%	\$817,788	\$800,563	\$783,338	\$766,113	\$748,888	\$731,663	\$5,618,050
High School (Series IIB)	Feb-05	\$2,000,000	Jun-08	Dec-26	3.91%	\$170,494	\$167,081	\$163,669	\$160,256	\$156,844	\$153,431	\$1,409,625
High Rock & Pollard School Projects (Series III)	May-07	\$5,000,000	Nov-08	Aug-27	4.69%	\$468,625	\$459,350	\$450,075	\$440,800	\$430,863	\$420,263	\$4,071,869
High School (Series III)	Feb-05	\$3,850,000	Jun-09	Jun-28	3.42%	\$358,000	\$310,650	\$306,550	\$297,450	\$292,950	\$288,200	\$2,827,900
High Rock & Pollard School Projects (Series IV)	May-07	\$10,500,000	Dec-09	Aug-28	3.35%	\$896,566	\$846,138	\$835,038	\$823,938	\$812,838	\$801,738	\$8,860,319
Library Project (Series IVIII)	May-03	\$32,997	Oct-10	Apr-11	1.00%	\$33,149	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	After					
						2011	2012	2013	2014	2015	2016	2016
Newman School HVAC Design and Engineering (Series I)	May-09	\$225,000	Jun-10	Dec-14	2.20%	\$49,308	\$48,600	\$47,475	\$46,350	\$45,450	PAID	
Newman School Extraordinary Repairs (Series I)	Nov-09	\$1,000,000	Jun-10	Dec-19	2.62%	\$122,547	\$121,500	\$119,000	\$116,500	\$114,500	\$112,375	\$423,375
High Rock & Pollard School Projects (Series V)	May-07	\$60,000	Oct-10	Apr-12	1.76%	\$30,415	\$30,600	PAID				
Newman School HVAC Design and Engineering (Series II)	May-09	\$225,000	Oct-10	Apr-11	1.00%	\$226,038	PAID					
Newman School Extraordinary Repairs (Series II)	Nov-09	\$675,000	Oct-10	Apr-14	2.07%	\$429,726	\$106,000	\$104,000	\$51,000	PAID		
EXCLUDED DEBT						\$8,297,704	\$6,718,524	\$6,382,449	\$6,176,940	\$6,025,276	\$5,741,331	\$43,736,925

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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	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	After
						2011	2012	2013	2014	2015	2016	2016
RTS FUND DEBT FEE SUPPORTED - AUTHORIZED & ISSUED												
RTS Construction Equipment	May-07	\$200,000	Dec-07	Jun-11	3.30%	\$51,625	PAID					
Collection Packer	May-08	\$125,000	Dec-09	Aug-12	2.00%	\$47,369	\$41,200	\$40,400				
Collection Packer	May-08	\$19,000	Oct-10	Apr-11	1.00%	\$19,088	PAID					
Construction Equipment (FE Loader)	May-09	\$165,000	Oct-10	Apr-14	2.29%	\$31,591	\$53,150	\$47,150	\$40,800	PAID		
RTS DEBT SERVICE						\$149,673	\$94,350	\$87,550	\$40,800			

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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	After					
						2011	2012	2013	2014	2015	2016	2016
SEWER FUND DEBT SERVICE FFE SUPPORTED - AUTHORIZED & ISSUED												
West Street Force Sewer Main	May-98	\$881,800	Jun-99	Jun-19	4.83%	\$69,375	\$67,238	\$70,100	\$67,700	\$70,250	\$72,500	\$209,250
West Street Sewer Pump Station	May-98	\$1,939,000	Jun-99	Jun-19	4.83%	\$153,903	\$154,153	\$154,165	\$153,885	\$153,250	\$152,250	\$462,500
Sewer - MWPAT 95-01 (Restructured)	May-91	\$310,656	Aug-01	Feb-15	(see note)	\$32,130	\$32,110	\$32,080	\$32,061	\$32,021	PAID	
Sewer - MWPAT 97-13 (Restructured)	Oct-96	\$67,700	Nov-04	Aug-18	(see note)	\$6,815	\$6,406	\$6,558	\$6,509	\$6,537	\$6,452	\$18,545
Sewer - MWPAT 97-33 (Restructured)	Oct-96	\$180,300	Nov-04	Aug-18	(see note)	\$18,160	\$17,194	\$17,593	\$17,427	\$17,374	\$17,020	\$49,124
Sewer - MWPAT 97-63 (Restructured 2)	May-97	\$1,019,778	Nov-04	Aug-18	(see note)	\$102,444	\$97,017	\$99,729	\$98,417	\$98,250	\$96,382	\$278,440
Sewer - MWPAT 98-10 (Restructured)	May-97	\$130,200	Nov-04	Aug-18	(see note)	\$13,071	\$12,388	\$12,793	\$12,594	\$12,567	\$12,321	\$35,482
Sewer System Rehab - I/I Work (Series II)	May-03	\$425,000	Jun-05	Jun-14	3.14%	\$45,500	\$44,200	\$42,800	\$41,400			
Sewer Pump Station	May-05	\$484,550	Dec-05	Feb-15	3.59%	\$64,765	\$62,840	\$60,915	\$58,935	\$51,900		
Sewer Rehabilitation - Rte 128 Area (Series I)	Nov-05	\$2,000,000	Jun-07	Nov-22	4.35%	\$161,138	\$141,781	\$142,638	\$138,388	\$134,013	\$129,263	\$710,281
Sewer Pump Station - GPA	May-05	\$500,000	Jun-09	Jun-19	3.17%	\$63,000	\$61,500	\$60,500	\$59,500	\$58,375	\$57,188	\$162,000
Sewer System Rehabilitation I/I	May-07	\$725,000	Jun-10	Jun-14	2.35%	\$158,413	\$154,063	\$151,163	\$148,263			
Sewer Rehabilitation - Rte 128 Area	Nov-05	\$320,000	Dec-09	Aug-28	3.39%	\$30,359	\$28,763	\$28,363	\$27,963	\$22,613	\$22,313	\$263,169
Sewer Pump Station GPA	May-08	\$550,000	Dec-09	Aug-28	3.36%	\$47,857	\$45,200	\$44,600	\$44,000	\$43,400	\$42,800	\$459,813
MWRA Loan Sewer Pump Station Richardson Drive	Nov-02	\$215,710	Feb-10	Feb-15		\$43,142	\$43,142	\$43,142	\$43,142	\$43,142	PAID	
MWRA Loan Sewer System Rehabilitation I/I	May-07	\$283,305	May-10	May-15		\$56,661	\$56,661	\$56,661	\$56,661	\$56,661	PAID	
Sewer Rehabilitation - Rte 128 Area	Nov-05	\$145,000	Jun-10	Dec-19	2.59%	\$18,238	\$18,075	\$17,700	\$17,325	\$17,025	\$16,706	\$57,981

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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	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	After
						2011	2012	2013	2014	2015	2016	2016
Sewer System Rehab - I/I Work	May-03	\$10,000	Oct-10	Apr-11	1.00%	\$10,046	PAID					
Sewer Pump Station Richardson Drive	Nov-02	\$200,000	Oct-10	Apr-16	2.00%	\$126,355	\$16,688	\$16,388	\$15,938	\$15,638	\$15,338	
Sewer Rehabilitation - Rte 128 Area	Nov-05	\$15,000	Oct-10	Apr-11	1.00%	\$15,069						
Sewer Pump Station Design (Reservoir B)	May-09	\$2,003	Oct-10	Apr-11	1.00%	\$2,012						
Sewer System Rehabilitation I/I (MWRA)	May-07	\$57,613	Nov-10	Nov-15		Issued	\$11,523	\$11,523	\$11,523	\$11,523	\$11,523	
SEWER DEBT SERVICE						\$1,238,452	\$1,070,939	\$1,069,408	\$1,051,628	\$844,537	\$652,053	\$2,706,585

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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	After					
						2011	2012	2013	2014	2015	2016	2016
WATER FUND DEBT SERVICE FEE SUPPORTED - AUTHORIZED & ISSUED												
Water Treatment Facility	Nov-97	\$3,090,000	Jun-99	Jun-19	4.83%	\$245,903	\$243,303	\$245,465	\$247,065	\$243,000	\$243,500	\$738,250
Water Treatment Facility	May-96	\$2,665,000	Jun-99	Jun-19	4.83%	\$208,595	\$212,183	\$210,295	\$208,095	\$210,500	\$212,250	\$628,000
Water Systems - Broadmeadow Area	Nov-00	\$257,304	Jul-01	Aug-11	ZERO	\$25,730	\$25,730	PAID				
Water System Designs - Warren Area	May-04	\$50,000	Dec-05	Feb-11	3.44%	\$10,350	PAID					
Water System Rehab - Warren Area (Series I)	May-05	\$413,500	Dec-05	Feb-15	3.60%	\$53,520	\$51,945	\$50,370	\$53,750	\$51,900		
Water Service Connections (Series I)	May-06	\$50,000	Jun-07	Nov-11	4.31%	\$10,638	\$10,213	PAID				
Water System Rehab - Rte 128 Area (Series I)	May-06	\$1,500,000	Jun-07	Nov-22	4.32%	\$138,050	\$178,694	\$148,913	\$144,663	\$140,288	\$135,538	\$894,819
Water Service Connections (Series II)	May-06	\$100,000	Dec-07	Jun-12	3.28%	\$26,625	\$25,813	PAID				
Water Storage Tank Rehabilitation	May-07	\$600,000	Dec-07	Jun-12	3.28%	\$191,700	\$185,850	PAID				
Water System Design	May-01	\$25,000	Dec-07	Jun-12	3.28%	\$5,325	\$5,163	PAID				
Water System Rehab - Webster Area (Series II)	May-03	\$100,000	Dec-07	Jun-12	3.28%	\$26,625	\$25,813	PAID				
Water System Rehabilitation - Rte 128 Area	May-06	\$230,000	Nov-08	Aug-12	3.48%	\$64,900	\$57,888	\$55,963				
Water System Rehabilitation - Rte 128 Area	May-06	\$212,000	Jun-09	Jun-19	3.16%	\$29,358	\$28,638	\$23,158	\$22,778	\$23,350	\$22,875	\$64,800
Water Storage Tank Rehabilitation	May-08	\$655,000	Jun-09	Jun-19	3.16%	\$82,993	\$81,013	\$79,693	\$78,373	\$75,888	\$74,344	\$210,600
Water Service Connections	May-06	\$55,000	Dec-09	Aug-19	2.51%	\$11,324	\$6,013	\$5,913	\$5,813	\$5,713	\$5,613	\$21,131
Water System Rehabilitation - Rte 128 Area	May-06	\$100,000	Dec-09	Aug-28	3.41%	\$8,319	\$7,838	\$7,738	\$7,638	\$7,538	\$7,438	\$87,856
Water System Rehabilitation - Rte 128 Area	May-06	\$165,000	Jun-10	Dec-14	2.22%	\$38,158	\$37,600	\$36,725	\$30,900	\$30,300		

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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	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	After
						2011	2012	2013	2014	2015	2016	2016
Water Main Improvements	May-08	\$185,000	Jun-10	Dec-14	2.20%	\$43,493	\$42,850	\$36,925	\$36,050	\$35,350		
Water Distribution System Rehab (Chapel & May)	May-09	\$400,000	Jun-10	Dec-24	3.02%	\$40,140	\$39,963	\$39,213	\$38,463	\$37,863	\$32,281	\$258,375
Water Distribution System Rehab (Pickering & GPA)	May-09	\$300,000	Oct-10	Apr-15	1.85%	\$221,844	\$21,800	\$21,400	\$20,800	\$20,400		
WATER DEBT SERVICE						\$1,483,589	\$1,288,304	\$961,768	\$894,385	\$882,088	\$733,838	\$2,903,831
TOTAL						\$13,881,585	\$10,671,170	\$9,822,641	\$9,212,034	\$8,607,008	\$7,892,278	\$53,568,112

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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**Current Long Term Debt Service Obligations
Inclusive of the October 2010 Bond Issue**

Fiscal Year	General	Excluded	CPA	RTS	Sewer	Water	Total
2011	\$2,712,168.60	\$8,297,703.67		\$149,672.88	\$1,238,451.57	\$1,483,588.53	\$13,881,585.25
2012	\$1,499,052.75	\$6,718,523.76		\$94,350.00	\$1,070,939.33	\$1,288,304.15	\$10,671,169.99
2013	\$1,321,466.88	\$6,382,448.76		\$87,550.00	\$1,069,408.09	\$961,767.50	\$9,822,641.23
2014	\$1,048,281.17	\$6,176,940.01		\$40,800.00	\$1,051,628.15	\$894,385.00	\$9,212,034.33
2015	\$855,107.09	\$6,025,276.26			\$844,537.19	\$882,087.50	\$8,607,008.04
2016	\$765,056.24	\$5,741,331.26			\$652,053.40	\$733,837.51	\$7,892,278.41
2017	\$749,052.29	\$5,587,981.26			\$616,139.82	\$722,225.00	\$7,675,398.37
2018	\$431,421.90	\$5,428,075.01			\$603,875.57	\$718,868.75	\$7,182,241.23
2019	\$421,706.15	\$5,236,275.01			\$591,101.25	\$709,637.50	\$6,958,719.91
2020	\$411,283.20	\$5,020,962.51			\$181,912.50	\$159,300.00	\$5,773,458.21
2021	\$378,562.50	\$3,963,243.76			\$136,856.25	\$173,656.25	\$4,652,318.76
2022	\$368,718.75	\$3,830,731.26			\$132,475.00	\$167,500.00	\$4,499,425.01
2023	\$358,387.50	\$3,701,456.26			\$128,025.00	\$161,243.75	\$4,349,112.51
2024	\$347,662.50	\$3,561,256.26			\$50,100.00	\$32,575.00	\$3,991,593.76
2025	\$312,075.00	\$2,746,418.76			\$48,700.00	\$31,525.00	\$3,138,718.76
2026	\$227,700.00	\$1,855,675.00			\$47,200.00	\$5,900.00	\$2,136,475.00
2027	\$214,200.00	\$1,285,150.00			\$45,600.00	\$5,700.00	\$1,550,650.00

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**Current Long Term Debt Service Obligations
 Inclusive of the October 2010 Bond Issue**

Fiscal Year	General	Excluded	CPA	RTS	Sewer	Water	Total
2028		\$958,700.00			\$68,500.00	\$5,500.00	\$1,032,700.00
2029		\$561,000.00			\$56,100.00	\$10,200.00	\$627,300.00
2030							

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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	\$9,500
2003	St. Mary's Water Pumping Station Design	\$300,000	\$180,000
2004	Sewer System Rehabilitation	\$1,000,000	\$165,000
2006	Ridge Hill Rehabilitation	\$126,875	\$104,600
2006	Rte 128 Sewer System Improvements	\$3,500,000	\$140,000
2006	Warren Street Water System Improvements	\$913,500	\$30,000
2007	Mitchell School Roof Repair	\$700,000	\$11,400
2007	Rte 128 Water System Improvements	\$3,000,000	\$735,000
2008	High Rock & Pollard School Projects	\$20,475,000	\$299,000
2008	Sewer System Rehabilitation I/I Work	\$1,806,800	\$280,150
2009	Collection Packer Equipment	\$225,000	\$4,000
2009	Municipal Parking Lot Improvements	\$105,000	\$105,000
2009	Public Safety Building Roof	\$535,000	\$61,500
2009	Public Services Administration Bldg	\$5,725,000	\$348,500
2009	Street & Traffic Light Improvements	\$105,000	\$25,000
2009	Wastewater Pump Station At GPA	\$770,000	\$45,000
2009	Water Main Improvements	\$1,900,000	\$600,294
2009	Water Storage Tank Cleaning & Painting	\$730,000	\$75,000
2010	Kendrick Street Bridge Repair Design	\$125,000	\$50,000

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Open Projects
Authorized Balance Not Yet Issued

Approved	Project	Authorized	Balance
2010	Newman School Project	\$26,962,128	\$25,287,128
2010	RTS Construction Equipment (FE Loader)	\$230,000	\$45,000
2010	Sewer Pump Station Design (Reservoir B)	\$577,500	\$575,497
2010	Stormwater Master Plan Drainage Improvements (Latern & Gayland)	\$200,000	\$170,000
2010	Town Hall (CPA Portion)	\$7,200,000	\$7,200,000
2010	Town Hall (GF Portion)	\$4,100,000	\$1,600,000
2010	Water Distribution System Rehab	\$1,000,000	\$300,000
2011	Kendrick Street Bridge Repair	\$850,000	\$850,000
2011	Pollard School Facility Improvements (Newman Move)	\$325,000	\$325,000
2011	Pollard School Roof Repair	\$3,500,000	\$3,500,000
2011	Road, Bridges, Sidewalks and Intersection Improvement Program	\$1,236,300	\$1,236,300
2011	Senior Center Feasibility & Design	\$500,000	\$500,000
Total		\$89,003,103	\$44,930,369

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.

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