

Town of Needham

Facility Financing Summary

Presented to the Board of Selectmen

September 21, 2010

For Discussion Only

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Facility Financing Summary Definitions and Assumptions

ASSUMPTIONS

- Property Tax--> August 2010 Proforma assumptions 2012 - 2016
- Property Tax--> Growth in levy at 3.0% annually 2017 forward
- Property Tax--> Assumes no new additional revenue from operational overrides.
- State Aid--> August 2010 Proforma assumptions 2012 - 2016
- State Aid--> Growth in the total State Aid assumed at 2.5% annually 2017 forward
- Local Receipts--> August 2010 Proforma assumptions 2012 - 2016; normal growth at 4.0% after 2016

School Building Assistance Revenue

The MSBA pays \$745,381 per year for its share of the Broadmeadow School project. The payments are used to reduce the amount of the debt payment that is raised on the tax levy. The final payment is scheduled for 2023.

For the purposes of this financing impact schedule MSBA grant is assumed at 95% of the maximum (\$8,598,927) for the Newman School project. The five percent is an allowance for ineligible costs or other expenses not allowed or realized savings by the Authority. Any payment made by MSBA in excess of the assumption will reduce the amount of debt to be incurred and lower the debt ratios.

General Fund Revenue excluded from the levy limit

The revenue each year equals the exclude debt service expense for that year less any MSBA payments received during the year.

Community Preservation Funds

Assumes the CPA surcharge revenue will grow at the same rate as the property tax rate.

Assumes a continued split rate factor of 1.75 and that personal property and \$100,000 residential value exemptions stay in place.

Assumes a minimum State matching payment of 20% of the prior year estimated collected surcharge.

**Facility Financing Summary
Definitions and Assumptions**

Enterprise Fund Revenue Growth

Assumes enterprise rates will be set to fully support debt obligations; revenue growth assumption is 2% over FY2011 estimate

General Fund Debt within the levy limit

- Current ----> Annual debt service is the total issued plus expected short term as of July 1, 2010.
- Pending ----> GF Debt approved not yet issued assumes the total will be borrowed at rates between 4.5% to 6.5% .
- Pending ----> Assumes all proposed debt financed capital on Schedule D-5 will be approved and expended in full. Interest rate assumptions range between 4.5% for notes and 6.5% for bonds. Bonds with a maturity of 5 years or less assumed at 5.0%
- Future ----> Additional debt expense amount is equal to 3% of general fund revenue within the levy limit (A) for FY 2012 forward.
- Future ----> A senior center project at \$5,000,000 assumed for a November 2011 approval. The first construction note maturity with a scheduled principal paydown of \$525,000; a 20 year bond issue for \$3,500,000 issued in first year. The project balance of \$925,000 financed by notes until project is closed out and then converted to a 15 year bond. Short term interest at 4.5% Bond interest at 6.0%.

General Fund Debt excluded from levy limit

- Current ----> Annual debt service is the total issued plus expected short term as of July 1, 2010.
- Pending ----> The High Rock School, the High School, and the Newman School have authorized balances not yet issued; interest rate assumptions range between 4.0% and 6.0%. High Rock project anticipates a turn back and rescission of \$2,500,000 in November 2010.

CPA Debt

- Current ----> Assumes the full \$7,200,000 CPA debt authorization for the Town Hall project will be borrowed. The initial GC bids came in below the original estimates, but the project has not yet move far enough along to project an actual reduction in the amount to be borrowed. Assumes all CPA cash will be used before CPA debt is incurred. Assumes multiple bond issues, and a long term interest rate of 6.0%.
- Pending ----> None
- Future ----> The Town Hall financing proposal provided additional CPA debt service capacity for other CPA projects. No CPA debt financed projects have been assumed at this point.

**Facility Financing Summary
Definitions and Assumptions**

**Enterprise Debt
RTS Enterprise Debt**

- Current ----> Annual debt service is the total issued plus expected short term as of July 1, 2010
- Pending ----> Assumes all previously approved projects will be expended in full. Interest rate assumptions range between 4.5% for notes and 6.0% for bonds.
- Future ----> Additional RTS enterprise debt expense is an amount that is equal to \$150,000 annually. This is consistent with prior CIP planning assumptions.

Sewer Enterprise Debt

- Current ----> Annual debt service is the total issued plus expected short term as of July 1, 2010
- Pending ----> Assumes all previously approved projects will be expended in full. Interest rate assumptions range between 4.5% for notes and 6.0% for bonds.
- Future ----> Assumes all proposed debt financed capital on Schedule D-5 will be approved and expended in full. Interest rate assumptions range between 4.5% for notes and 6.5% for bonds. Assumes no special financing arrangements with the MWRA or MWPAT (market rate interest only).
- Future ----> Additional sewer enterprise debt expense is an amount that is equal to \$1,250,000 annually, increasing to \$1,450,000. This is consistent with prior CIP planning assumptions.

Water Enterprise Debt

- Current ----> Annual debt service is the total issued plus expected short term as of July 1, 2010
- Pending ----> Assumes all previously approved projects will be expended in full. Interest rate assumptions range between 4.5% for notes and 6.0% for bonds.
- Future ----> Assumes all proposed debt financed capital on Schedule D-5 will be approved and expended in full. Interest rate assumptions range between 4.5% for notes and 6.5% for bonds. Assumes no special financing arrangements with the MWRA or MWPAT (market rate interest only).
- Future ----> Additional water enterprise debt expense is an amount that is equal to \$1,500,000 annually increasing to \$1,600,000. This is consistent with prior CIP planning assumptions.

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Facility Financing Summary
Revenue & Ratios
FY 2011 - FY 2022 (Schedule R)

Description	FY 2011 - Current	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
General Fund Within the Levy Receipts	\$85,012,688	\$88,158,157	\$91,420,009	\$94,802,550	\$98,310,244	\$101,947,723	\$105,006,155	\$108,156,339	\$111,401,030	\$114,743,060	\$118,185,352	\$121,730,913
Cherry Sheet	\$8,227,013	\$8,445,072	\$8,616,418	\$8,724,519	\$8,834,283	\$8,945,735	\$9,169,378	\$9,398,613	\$9,633,578	\$9,874,418	\$10,121,278	\$10,374,310
Local Receipts	\$7,440,000	\$7,440,000	\$7,681,800	\$7,969,868	\$8,288,662	\$8,640,930	\$8,986,567	\$9,346,030	\$9,719,871	\$10,108,666	\$10,513,013	\$10,933,533
A General Fund Receipts	\$100,679,701	\$104,043,229	\$107,718,227	\$111,496,937	\$115,433,189	\$119,534,388	\$123,162,100	\$126,900,982	\$130,754,479	\$134,726,144	\$138,819,643	\$143,038,756
General Fund Excluded Debt	\$7,288,254	\$6,664,848	\$6,902,637	\$7,364,842	\$7,065,963	\$6,732,881	\$6,530,394	\$6,321,356	\$6,080,432	\$5,816,014	\$4,708,734	\$4,526,193
MSBA Payments	\$745,381	\$745,381	\$745,381	\$745,381	\$745,381	\$745,381	\$745,381	\$745,381	\$745,381	\$745,381	\$745,381	\$745,381
Other Amounts to Offset Debt Exclusion	\$377,972	\$12,047	\$10,931	\$9,766	\$8,532	\$7,269	\$6,006	\$4,738	\$3,462	\$2,167	\$1,328	\$957
B Revenue Dedicated for Excluded Debt	\$8,411,607	\$7,422,275	\$7,658,949	\$8,119,989	\$7,819,876	\$7,485,531	\$7,281,781	\$7,071,475	\$6,829,275	\$6,563,563	\$5,455,444	\$5,272,531
CPA Surcharge	\$1,472,000	\$1,526,464	\$1,582,943	\$1,641,512	\$1,702,248	\$1,765,231	\$1,818,188	\$1,872,734	\$1,928,916	\$1,986,783	\$2,046,387	\$2,107,778
CPA State Match	\$292,000	\$288,512	\$299,187	\$310,257	\$321,736	\$333,641	\$345,985	\$356,365	\$367,056	\$378,067	\$389,410	\$401,092
State's % match of the prior year CPA surcharge	21.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
C CPA Receipts	\$1,764,000	\$1,814,976	\$1,882,130	\$1,951,769	\$2,023,984	\$2,098,872	\$2,164,173	\$2,229,099	\$2,295,972	\$2,364,851	\$2,435,796	\$2,508,870
RTS Receipts	\$1,399,189	\$1,427,173	\$1,455,716	\$1,484,831	\$1,514,527	\$1,544,818	\$1,575,714	\$1,607,228	\$1,639,373	\$1,672,160	\$1,705,604	\$1,739,716
Sewer Receipts	\$7,680,924	\$7,834,542	\$7,991,233	\$8,151,058	\$8,314,079	\$8,480,361	\$8,649,968	\$8,822,967	\$8,999,427	\$9,179,415	\$9,363,003	\$9,550,264
Water Receipts	\$4,862,722	\$4,959,976	\$5,059,176	\$5,160,359	\$5,263,567	\$5,368,838	\$5,476,215	\$5,585,739	\$5,697,454	\$5,811,403	\$5,927,631	\$6,046,184
D Enterprise Fund Receipts	\$13,942,835	\$14,221,692	\$14,506,126	\$14,796,248	\$15,092,173	\$15,394,016	\$15,701,897	\$16,015,935	\$16,336,253	\$16,662,978	\$16,996,238	\$17,336,163
E Total Revenue (A+B+C+D)	\$124,798,143	\$127,502,172	\$131,765,431	\$136,364,943	\$140,369,223	\$144,512,808	\$148,309,952	\$152,217,490	\$156,215,979	\$160,317,536	\$163,707,121	\$168,156,320
F Total Debt Service (Schedule D-2)	\$14,279,320	\$13,893,572	\$14,540,496	\$15,384,897	\$15,311,872	\$15,077,763	\$14,960,044	\$14,839,104	\$14,689,709	\$14,520,347	\$13,512,233	\$13,433,094
G1 Debt Service % of Total Revenue (E/F)	11.4%	10.9%	11.0%	11.3%	10.9%	10.4%	10.1%	9.7%	9.4%	9.1%	8.3%	8.0%
G2 Debt Service % of Total Revenue excluding MSBA	10.9%	10.4%	10.5%	10.8%	10.4%	10.0%	9.6%	9.3%	9.0%	8.6%	7.8%	7.6%
H General Fund Revenue Within the Levy	\$100,679,701	\$104,043,229	\$107,718,227	\$111,496,937	\$115,433,189	\$119,534,388	\$123,162,100	\$126,900,982	\$130,754,479	\$134,726,144	\$138,819,643	\$143,038,756
I GF Debt within the Levy	\$2,967,712	\$3,121,297	\$3,231,547	\$3,344,908	\$3,462,996	\$3,586,032	\$3,694,863	\$3,807,029	\$3,922,634	\$4,041,784	\$4,164,589	\$4,291,163
J GF Debt Service % of GF Receipts (I/H)	2.9%	3.0%										
Tax Impact on ASFH (single rate)	\$687	\$628	\$651	\$694	\$666	\$635	\$616	\$596	\$573	\$548	\$444	\$427

**Town of Needham
Debt Service Recap Summary
FY 2011 - FY 2022 (Schedule D-1)**

Description	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
1 Current OS Long Term Debt	\$1,666,195	\$1,105,103	\$934,517	\$711,831	\$534,857	\$450,806	\$441,552	\$431,422	\$421,706	\$411,283	\$378,563	\$368,719
2 Approved Projects Debt Pending	\$1,301,517	\$1,029,500	\$686,400	\$666,600	\$646,800	\$627,000	\$607,200	\$587,400	\$567,600	\$547,800	\$528,000	\$508,200
3 Pending Capital Projects		\$942,625	\$990,000	\$1,574,000	\$1,798,550	\$1,804,900	\$1,929,300	\$1,804,800	\$1,860,400	\$1,891,400	\$1,946,000	\$1,977,000
4 Contingency for Other Projects	\$0	\$44,069	\$620,630	\$392,477	\$482,789	\$703,325	\$716,811	\$983,408	\$1,072,928	\$1,191,301	\$1,312,027	\$1,437,244
A General Fund	\$2,967,712	\$3,121,297	\$3,231,547	\$3,344,908	\$3,462,996	\$3,586,032	\$3,694,863	\$3,807,029	\$3,922,634	\$4,041,784	\$4,164,589	\$4,291,163
1 Current OS Long Term Debt	\$7,578,376	\$6,581,924	\$6,278,449	\$6,125,940	\$6,025,276	\$5,741,331	\$5,587,981	\$5,428,075	\$5,236,275	\$5,020,963	\$3,963,244	\$3,830,731
2 Approved Projects Debt Pending	\$833,232	\$840,351	\$1,380,500	\$1,994,049	\$1,794,600	\$1,744,200	\$1,693,800	\$1,643,400	\$1,593,000	\$1,542,600	\$1,492,200	\$1,441,800
3 Pending Capital Projects												
B General Fund Debt Excluded	\$8,411,607	\$7,422,275	\$7,658,949	\$8,119,989	\$7,819,876	\$7,485,531	\$7,281,781	\$7,071,475	\$6,829,275	\$6,563,563	\$5,455,444	\$5,272,531
1 Current OS Long Term Debt												
2 Approved Projects Debt Pending		\$300,000	\$550,000	\$770,000	\$779,000	\$756,200	\$733,400	\$710,600	\$687,800	\$665,000	\$642,200	\$619,400
3 Pending Capital Projects												
C CPA Debt Service		\$300,000	\$550,000	\$770,000	\$779,000	\$756,200	\$733,400	\$710,600	\$687,800	\$665,000	\$642,200	\$619,400
1 Current OS Long Term Debt	\$98,994	\$41,200	\$40,400									
2 Approved Projects Debt Pending	\$51,006	\$84,750	\$81,000	\$47,250								
3 Pending Capital Projects												
4 Contingency for Other Projects	(\$0)	\$24,050	\$28,600	\$102,750	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
D RTS Debt Service	\$150,000											
1 Current OS Long Term Debt	\$1,084,970	\$1,042,729	\$1,041,498	\$1,024,168	\$817,377	\$625,193	\$616,140	\$603,876	\$591,101	\$181,913	\$136,856	\$132,475
2 Approved Projects Debt Pending	\$165,030	\$302,250	\$341,100	\$317,250	\$304,000	\$290,750	\$162,500	\$155,000	\$147,500	\$140,000	\$132,500	
3 Pending Capital Projects				\$90,000	\$330,000	\$573,750	\$635,850	\$695,650	\$760,050	\$799,250	\$774,550	\$749,850
4 Contingency for Other Projects	\$0	\$5,021	\$17,402	\$18,582	\$48,623	\$10,307	\$85,510	\$45,474	\$1,349	\$378,838	\$456,094	\$617,675
E Sewer Debt Service	\$1,250,000	\$1,350,000	\$1,400,000	\$1,450,000	\$1,500,000							
1 Current OS Long Term Debt	\$1,261,744	\$1,266,504	\$940,368	\$873,585	\$861,688	\$733,838	\$722,225	\$718,869	\$709,638	\$159,300	\$173,656	\$167,500
2 Approved Projects Debt Pending	\$238,256	\$282,000	\$273,000	\$264,000	\$255,000	\$246,000	\$237,000	\$228,000	\$219,000	\$210,000	\$201,000	\$192,000
3 Pending Capital Projects				\$257,038	\$469,150	\$550,300	\$534,050	\$517,800	\$501,550	\$485,300	\$469,050	\$452,800
4 Contingency for Other Projects	\$0	\$1,496	\$336,633	\$155,378	\$14,163	\$69,862	\$106,725	\$135,331	\$169,813	\$745,400	\$756,294	\$787,700 ***
F Water Debt Service	\$1,500,000	\$1,550,000	\$1,550,000	\$1,550,000	\$1,600,000							
1 Current OS Long Term Debt	\$11,690,279	\$10,037,460	\$9,235,231	\$8,735,524	\$8,239,198	\$7,551,168	\$7,367,898	\$7,182,241	\$6,958,720	\$5,773,458	\$4,652,319	\$4,499,425
2 Approved Projects Debt Pending	\$2,589,041	\$2,838,851	\$3,312,000	\$4,059,149	\$3,779,400	\$3,664,150	\$3,433,900	\$3,324,400	\$3,214,900	\$3,105,400	\$2,995,900	\$2,761,400
3 Pending Capital Projects		\$942,625	\$990,000	\$1,921,038	\$2,597,700	\$2,928,950	\$3,099,200	\$3,018,250	\$3,122,000	\$3,175,950	\$3,189,600	\$3,179,650
4 Contingency for Other Projects	\$0	\$74,636	\$1,003,264	\$669,186	\$695,574	\$933,494	\$1,059,046	\$1,314,213	\$1,394,089	\$2,465,539	\$2,674,414	\$2,992,619
G Total (A+B+C+D+E+F)	\$14,279,320	\$13,893,572	\$14,540,496	\$15,384,897	\$15,311,872	\$15,077,763	\$14,960,044	\$14,839,104	\$14,689,709	\$14,520,347	\$13,512,233	\$13,433,094

Town of Needham
Debt Service Recap Summary
FY 2011 - FY 2022 (Schedule D-2)

Description	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Current OS Long Term Debt	\$1,666,195	\$1,105,103	\$934,517	\$711,831	\$534,857	\$450,806	\$441,552	\$431,422	\$421,706	\$411,283	\$378,563	\$368,719
Approved Projects Debt Pending	\$1,301,517	\$1,029,500	\$686,400	\$666,600	\$646,800	\$627,000	\$607,200	\$587,400	\$567,600	\$547,800	\$528,000	\$508,200
Pending Capital Projects		\$942,625	\$990,000	\$1,574,000	\$1,798,550	\$1,804,900	\$1,929,300	\$1,804,800	\$1,860,400	\$1,891,400	\$1,946,000	\$1,977,000
Senior Center At \$5-Million			\$568,875	\$395,000	\$442,400	\$496,300	\$481,300	\$466,300	\$451,300	\$436,300	\$421,300	\$406,300
Contingency for Other Projects	\$0	\$44,069	\$51,755	(\$2,523)	\$40,389	\$207,025	\$235,511	\$517,108	\$621,628	\$755,001	\$890,727	\$1,030,944
A General Fund	\$2,967,712	\$3,121,297	\$3,231,547	\$3,344,908	\$3,462,996	\$3,586,032	\$3,694,863	\$3,807,029	\$3,922,634	\$4,041,784	\$4,164,589	\$4,291,163
	(\$0)											
Current OS Long Term Debt	\$7,578,376	\$6,581,924	\$6,278,449	\$6,125,940	\$6,025,276	\$5,741,331	\$5,587,981	\$5,428,075	\$5,236,275	\$5,020,963	\$3,963,244	\$3,830,731
Approved Projects Debt Pending	\$833,232	\$840,351	\$1,380,500	\$1,994,049	\$1,794,600	\$1,744,200	\$1,693,800	\$1,643,400	\$1,593,000	\$1,542,600	\$1,492,200	\$1,441,800
Pending Capital Projects												
B General Fund Debt Excluded	\$8,411,607	\$7,422,275	\$7,658,949	\$8,119,989	\$7,819,876	\$7,485,531	\$7,281,781	\$7,071,475	\$6,829,275	\$6,563,563	\$5,455,444	\$5,272,531
	(\$0)											
Current OS Long Term Debt												
Approved Projects Debt Pending		\$300,000	\$550,000	\$770,000	\$779,000	\$756,200	\$733,400	\$710,600	\$687,800	\$665,000	\$642,200	\$619,400
Pending Capital Projects												
C CPA Debt Service		\$300,000	\$550,000	\$770,000	\$779,000	\$756,200	\$733,400	\$710,600	\$687,800	\$665,000	\$642,200	\$619,400
Current OS Long Term Debt	\$98,994	\$41,200	\$40,400									
Approved Projects Debt Pending	\$51,006	\$84,750	\$81,000	\$47,250								
Pending Capital Projects												
Contingency for Other Projects	(\$0)	\$24,050	\$28,600	\$102,750	\$150,000							
D RTS Debt Service	\$150,000											
Current OS Long Term Debt	\$1,084,970	\$1,042,729	\$1,041,498	\$1,024,168	\$817,377	\$625,193	\$616,140	\$603,876	\$591,101	\$181,913	\$136,856	\$132,475
Approved Projects Debt Pending	\$165,030	\$302,250	\$341,100	\$317,250	\$304,000	\$290,750	\$162,500	\$155,000	\$147,500	\$140,000	\$132,500	
Pending Capital Projects				\$90,000	\$330,000	\$573,750	\$635,850	\$695,650	\$760,050	\$799,250	\$774,550	\$749,850
Contingency for Other Projects	\$0	\$5,021	\$17,402	\$18,582	\$48,623	\$10,307	\$85,510	\$45,474	\$1,349	\$378,838	\$456,094	\$617,675
E Sewer Debt Service	\$1,250,000	\$1,350,000	\$1,400,000	\$1,450,000	\$1,500,000							
Current OS Long Term Debt	\$1,261,744	\$1,266,504	\$940,368	\$873,585	\$861,688	\$733,838	\$722,225	\$718,869	\$709,638	\$159,300	\$173,656	\$167,500
Approved Projects Debt Pending	\$238,256	\$282,000	\$273,000	\$264,000	\$255,000	\$246,000	\$237,000	\$228,000	\$219,000	\$210,000	\$201,000	\$192,000
Pending Capital Projects				\$257,038	\$469,150	\$550,300	\$534,050	\$517,800	\$501,550	\$485,300	\$469,050	\$452,800
Contingency for Other Projects	\$0	\$1,496	\$336,633	\$155,378	\$14,163	\$69,862	\$106,725	\$135,331	\$169,813	\$745,400	\$756,294	\$787,700
F Water Debt Service	\$1,500,000	\$1,550,000	\$1,550,000	\$1,550,000	\$1,600,000							
Current OS Long Term Debt	\$11,690,279	\$10,037,460	\$9,235,231	\$8,735,524	\$8,239,198	\$7,551,168	\$7,367,898	\$7,182,241	\$6,958,720	\$5,773,458	\$4,652,319	\$4,499,425
Approved Projects Debt Pending	\$2,589,041	\$2,838,851	\$3,312,000	\$4,059,149	\$3,779,400	\$3,664,150	\$3,433,900	\$3,324,400	\$3,214,900	\$3,105,400	\$2,995,900	\$2,761,400
Pending Capital Projects		\$942,625	\$990,000	\$1,921,038	\$2,597,700	\$2,928,950	\$3,099,200	\$3,018,250	\$3,122,000	\$3,175,950	\$3,189,600	\$3,179,650
Schedule D-6			\$568,875	\$395,000	\$442,400	\$496,300	\$481,300	\$466,300	\$451,300	\$436,300	\$421,300	\$406,300
Contingency for Other Projects	\$0	\$74,636	\$434,389	\$274,186	\$253,174	\$437,194	\$577,746	\$847,913	\$942,789	\$2,029,239	\$2,253,114	\$2,586,319
G Total (A+B+C+D+E+F)	\$14,279,320	\$13,893,572	\$14,540,496	\$15,384,897	\$15,311,872	\$15,077,763	\$14,960,044	\$14,839,104	\$14,689,709	\$14,520,347	\$13,512,233	\$13,433,094

Town of Needham
Current Outstanding Long Term Debt
FY 2011 - FY 2022 (Schedule D-3)

Debt Group	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
A General Fund within the Levy Limit	\$1,666,195	\$1,105,103	\$934,517	\$711,831	\$534,857	\$450,806	\$441,552	\$431,422	\$421,706	\$411,283	\$378,563	\$368,719
B General Fund Excluded Debt	\$7,578,376	\$6,581,924	\$6,278,449	\$6,125,940	\$6,025,276	\$5,741,331	\$5,587,981	\$5,428,075	\$5,236,275	\$5,020,963	\$3,963,244	\$3,830,731
C CPA Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D RTS Debt Service	\$98,994	\$41,200	\$40,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
E Sewer Debt Service	\$1,084,970	\$1,042,729	\$1,041,498	\$1,024,168	\$817,377	\$625,193	\$616,140	\$603,876	\$591,101	\$181,913	\$136,856	\$132,475
F Water Debt Service	\$1,261,744	\$1,266,504	\$940,368	\$873,585	\$861,688	\$733,838	\$722,225	\$718,869	\$709,638	\$159,300	\$173,656	\$167,500
G Total O/S Long Term Debt	\$11,690,279	\$10,037,460	\$9,235,231	\$8,735,524	\$8,239,198	\$7,551,168	\$7,367,898	\$7,182,241	\$6,958,720	\$5,773,458	\$4,652,319	\$4,499,425

Town of Needham
Approved Projects Debt Not Yet Issued
FY 2011 - FY 2022 (Schedule D-4)

Description	Unissued Balance	Rate**	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
^ Balance of Open Authorization Approved Prior to May 2010	\$7,643,900	6.00%	1,298,217	1,029,500	686,400	666,600	646,800	627,000	607,200	587,400	567,600	547,800	528,000	508,200
Other Short Term Interest Expenses			3,300											
A General Fund within the Levy Limit			\$1,301,517	\$1,029,500	\$686,400	\$666,600	\$646,800	\$627,000	\$607,200	\$587,400	\$567,600	\$547,800	\$528,000	\$508,200
Newman School (Multiple Issues)	\$19,412,128	6.00%	471,250	570,750	1,255,500	1,994,049	1,794,600	1,744,200	1,693,800	1,643,400	1,593,000	1,542,600	1,492,200	1,441,800
Other Debt Service		V	361,982	269,601	125,000	0	0	0	0	0	0	0	0	0
B General Fund Debt Excluded			\$833,232	\$840,351	\$1,380,500	\$1,994,049	\$1,794,600	\$1,744,200	\$1,693,800	\$1,643,400	\$1,593,000	\$1,542,600	\$1,492,200	\$1,441,800
^ Town Hall	\$7,200,000	6.00%	0	300,000	550,000	770,000	779,000	756,200	733,400	710,600	687,800	665,000	642,200	619,400
C CPA Debt Service			\$0	\$300,000	\$550,000	\$770,000	\$779,000	\$756,200	\$733,400	\$710,600	\$687,800	\$665,000	\$642,200	\$619,400
^ Balance of Open Authorization Approved Prior to May 2010	\$233,000	5.00%	49,650	84,750	81,000	47,250	0	0	0	0	0	0	0	0
Other Debt service			1,356											
D RTS Debt Service			\$51,006	\$84,750	\$81,000	\$47,250	\$0							
^ Balance of Open Authorization Approved Prior to May 2010	\$1,272,985	6.00%	99,364	190,000	203,100	185,000	177,500	170,000	162,500	155,000	147,500	140,000	132,500	0
^ Wastewater Pump Station Reservoir "B" Design (Approved @ 2009 ATM)	\$577,500	5.00%	0	112,250	138,000	132,250	126,500	120,750	0	0	0	0	0	0
Other Debt service			\$65,666											
E Sewer Debt Service			\$165,030	\$302,250	\$341,100	\$317,250	\$304,000	\$290,750	\$162,500	\$155,000	\$147,500	\$140,000	\$132,500	\$0
^ Balance of Open Authorization Approved Prior to May 2010	\$2,231,294	6.00%	165,172	282,000	273,000	264,000	255,000	246,000	237,000	228,000	219,000	210,000	201,000	192,000
Other Debt service			\$73,084											
F Water Debt Service			\$238,256	\$282,000	\$273,000	\$264,000	\$255,000	\$246,000	\$237,000	\$228,000	\$219,000	\$210,000	\$201,000	\$192,000
G Total			\$2,589,041	\$2,838,851	\$3,312,000	\$4,059,149	\$3,779,400	\$3,664,150	\$3,433,900	\$3,324,400	\$3,214,900	\$3,105,400	\$2,995,900	\$2,761,400

** Notes at 4.50% Bonds at 6.00% unless otherwise noted; ^ multiple bond series to be issued
Annual debt service amounts are inclusive of principal paydowns and short term interest expense

Town of Needham
 Future Projects (tentative)
 FY 2011 - FY 2022 (Schedule D-5)

Description	Amount	Rate **	TM	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Pollard School Roof	\$3,500,000	6.00%	2011		228,625	427,250	353,000	342,800	332,600	322,400	312,200	302,000	291,800	281,600	271,400
Pollard School (Newman Move In)	\$1,200,000	5.00%	2012		633,000	230,000	220,000	210,000							
Needham High School Roof Bldg C	\$320,000	5.00%	2012		81,000	77,750	74,500	71,250	63,000						
Quint	\$750,000	5.00%	2013				237,500	227,500	217,500	157,500					
DPW Salt Shed Replacement	\$1,500,000	6.00%	2013				190,000	184,000	178,000	172,000	166,000	160,000	154,000	148,000	142,000
Roadway Infrastructure Program	\$1,000,000	5.50%	2012			255,000	244,000	233,000	222,000	211,000					
Roadway Infrastructure Program	\$1,000,000	5.50%	2013				255,000	244,000	233,000	222,000	211,000				
Roadway Infrastructure Program	\$1,100,000	6.00%	2014					286,000	272,800	259,600	246,400	233,200			
Roadway Infrastructure Program	\$1,100,000	6.00%	2015						286,000	272,800	259,600	246,400	233,200		
Roadway Infrastructure Program	\$1,200,000	6.00%	2016							312,000	297,600	283,200	268,800	254,400	
Roadway Infrastructure Program	\$1,200,000	6.00%	2017								312,000	297,600	283,200	268,800	254,400
Roadway Infrastructure Program	\$1,300,000	6.00%	2018									338,000	322,400	306,800	291,200
Roadway Infrastructure Program	\$1,300,000	6.00%	2019										338,000	322,400	306,800
Roadway Infrastructure Program	\$1,400,000	6.00%	2020											364,000	347,200
Roadway Infrastructure Program	\$1,400,000	6.00%	2021												364,000
General Fund within the Levy Limit					\$942,625	\$990,000	\$1,574,000	\$1,798,550	\$1,804,900	\$1,929,300	\$1,804,800	\$1,860,400	\$1,891,400	\$1,946,000	\$1,977,000
General Fund Debt Excluded															
CPA Debt Service															
RTS Debt Service															

Town of Needham
 Future Projects (tentative)
 FY 2011 - FY 2022 (Schedule D-5)

Description	Amount	Rate **	TM	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
^ Wastewater Pump Station Improvements Reservoir B	\$5,000,000	6.00%	0.06				90,000	330,000	515,250	542,250	526,650	511,050	495,450	479,850	464,250
^ Wastewater Pump Station Improvements Cooks Bridge	\$2,600,000	6.50%	0.065						58,500	93,600	169,000	249,000	303,800	294,700	285,600
Sewer Debt Service							\$90,000	\$330,000	\$573,750	\$635,850	\$695,650	\$760,050	\$799,250	\$774,550	\$749,850
^ Water System Fire Flow Improvements	\$5,070,000	6.50%	0.065				257,038	469,150	550,300	534,050	517,800	501,550	485,300	469,050	452,800
Water Debt Service							\$257,038	\$469,150	\$550,300	\$534,050	\$517,800	\$501,550	\$485,300	\$469,050	\$452,800
Total						\$942,625	\$990,000	\$1,921,038	\$2,597,700	\$2,928,950	\$3,099,200	\$3,018,250	\$3,122,000	\$3,175,950	\$3,179,650

** Notes at 4.50% Bonds at 6.00% unless otherwise noted; amortization is 5-years unless otherwise noted
 Annual debt service amounts are inclusive of principal paydowns and short term interest expense; amortization five years unless otherwise noted

Town of Needham
Senior Center
FY 2011 - FY 2022 (Schedule D-6)

Description	Amount	Rate **	Years	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
^ Senior Center At \$5-Million	\$5,000,000	6.00%	20	\$0	\$0	\$568,875	\$395,000	\$442,400	\$496,300	\$481,300	\$466,300	\$451,300	\$436,300	\$421,300	\$406,300
General Fund within the Levy Limit				\$0	\$0	\$568,875	\$395,000	\$442,400	\$496,300	\$481,300	\$466,300	\$451,300	\$436,300	\$421,300	\$406,300
CPA Debt Service				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Fund Debt Excluded				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sewer Debt Service				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Debt Service				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total				\$0	\$0	\$568,875	\$395,000	\$442,400	\$496,300	\$481,300	\$466,300	\$451,300	\$436,300	\$421,300	\$406,300

** Notes at 4.50% Bonds at 6.00% unless otherwise noted; ^ multiple bond series to be issued
Annual debt service amounts are inclusive of principal paydowns and short term interest expense; amortization twenty years unless otherwise noted.

Town of Needham
 Long Term Debt Service
 Actual Issues
 Includes June 1, 2010 Bond Issue

Project	TM Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service 2012	Debt Service 2013	Debt Service 2014	Debt Service 2015	Debt Service 2016	Debt Service 2017	Debt Service 2018	Debt Service 2019	Debt Service 2020	Debt Service 2021	Debt Service 2022	Debt Total After 2022
GENERAL FUND WITHIN THE LEVY LIMIT - AUTHORIZED & ISSUED																	
Title V - MWPAT 15-97-1027 - R	May-97	\$85,894	Dec-99	Aug-19	(see note)	\$7,056	\$6,794	\$6,530	\$6,265	\$5,923	\$5,663	\$5,391	\$5,120	\$4,854	Paid	Paid	\$0
Storm Water - MWPAT 98-92 (Restructured)	May-98	\$364,979	Sep-01	Aug-19	(see note)	\$34,506	\$33,750	\$32,889	\$35,650	\$34,152	\$32,702	\$31,149	\$29,874	\$28,567	Paid	Paid	\$0
Road Improvements	May-05	\$468,400	Dec-05	Feb-15	3.48%	\$11,460	\$11,110	\$10,750	\$10,380	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Mitchell School Roof	Nov-06	\$580,000	Jun-07	Nov-11	4.31%	\$117,444	PAID										\$0
Hillside & Mitchell Schools Paving Work	May-08	\$90,000	Nov-08	Aug-11	3.46%	\$30,525		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Road, Bridges, Sidewalks and Intersection Improvement	May-08	\$820,000	Jun-09	Jun-13	2.40%	\$213,200	\$209,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Services Administration Building	Oct-08	\$4,000,000	Dec-09	Aug-26	3.16%	\$344,325	\$339,525	\$334,725	\$329,925	\$325,125	\$319,125	\$312,525	\$306,225	\$299,325	\$292,125	\$284,625	\$1,223,213
Road, Bridges, Sidewalks and Intersection Improvement	May-09	\$165,000	Dec-09	Aug-13	2.00%	\$42,000	\$41,200	\$40,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Safety Building Roof	May-08	\$350,000	Jun-10	Dec-14	2.20%	\$75,600	\$73,850	\$72,100	\$70,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Services Administration Building	Oct-08	\$1,000,000	Jun-10	Dec-24	3.07%	\$86,138	\$84,638	\$83,138	\$81,938	\$85,606	\$84,063	\$82,356	\$80,488	\$78,538	\$86,438	\$84,094	\$236,813
Road, Bridges, Sidewalks and Intersection Improvement	May-09	\$530,000	Jun-10	Dec-13	2.31%	\$142,850	\$134,550	\$131,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GENERAL FUND DEBT SERVICE - WITHIN THE LEVY LIMIT						\$1,105,103	\$934,517	\$711,831	\$534,857	\$450,806	\$441,552	\$431,422	\$421,706	\$411,283	\$378,563	\$368,719	\$1,460,025
GENERAL FUND DEBT EXCLUDED FROM THE LEVY LIMIT - AUTHORIZED & ISSUED																	
Broadmeadow School	May-00	\$14,000,000	Nov-03	Nov-23	4.09%	\$1,066,100	\$1,040,725	\$1,013,600	\$985,600	\$957,600	\$929,600	\$901,163	\$871,850	\$841,925	\$811,475	\$780,325	\$1,464,663
Library Project (Series I)	May-03	\$11,000,000	Dec-04	Dec-19	3.90%	\$1,084,563	\$1,056,038	\$1,026,494	\$994,913	\$962,313	\$929,713	\$897,113	\$859,613	\$826,706	PAID		\$0
Elliot School	May-00	\$5,500,000	Jun-05	Jun-25	3.82%	\$408,894	\$399,794	\$390,694	\$421,594	\$411,094	\$399,844	\$388,594	\$352,344	\$341,344	\$330,344	\$319,344	\$892,031
Library Project (Series II)	May-03	\$750,000	Dec-05	Feb-15	3.59%	\$102,955	\$99,805	\$91,565	\$93,420	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
High School (Series I)	May-03	\$10,000,000	Nov-06	May-26	4.01%	\$865,875	\$845,250	\$823,250	\$801,250	\$779,250	\$757,250	\$735,250	\$713,250	\$641,250	\$621,250	\$601,250	\$2,204,375
High Rock School - Designs	Nov-06	\$45,000	Dec-07	Jun-12	3.28%	\$10,325	PAID	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
High Rock & Pollard School Projects	May-07	\$600,000	Dec-07	Jun-12	3.28%	\$154,875	PAID	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Town of Needham
 Long Term Debt Service
 Actual Issues
 Includes June 1, 2010 Bond Issue

Project	TM Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service	Debt Total												
						2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	After 2022		
High Rock School - Designs	Nov-06	\$480,000	Jun-08	Dec-26	3.91%	\$39,781	\$38,969	\$38,156	\$37,344	\$36,531	\$35,718	\$34,905	\$34,092	\$33,279	\$32,466	\$31,653	\$30,840	\$137,500	
High Rock & Pollard School Projects	May-07	\$1,120,000	Jun-08	Dec-26	3.91%	\$94,675	\$92,725	\$90,775	\$88,825	\$86,875	\$84,925	\$82,975	\$81,025	\$79,075	\$77,125	\$75,175	\$73,225	\$71,275	\$307,600
High School (Series IIA)	May-03	\$9,000,000	Jun-08	Dec-24	3.89%	\$800,563	\$783,338	\$766,113	\$748,888	\$731,663	\$714,438	\$697,213	\$680,000	\$662,785	\$645,570	\$628,355	\$611,140	\$593,925	\$1,674,600
High School (Series IIB)	Feb-05	\$2,000,000	Jun-08	Dec-26	3.91%	\$167,081	\$163,669	\$160,256	\$156,844	\$153,431	\$149,363	\$145,295	\$141,227	\$137,159	\$133,091	\$129,023	\$124,955	\$120,887	\$577,500
High Rock & Pollard School Projects (Series III)	May-07	\$5,000,000	Nov-08	Aug-27	4.69%	\$459,350	\$450,075	\$440,800	\$430,863	\$420,263	\$409,663	\$398,731	\$387,138	\$375,213	\$362,625	\$349,500	\$335,775	\$321,450	\$1,794,000
High School (Series III)	Feb-05	\$3,850,000	Jun-09	Jun-28	3.42%	\$310,650	\$306,550	\$297,450	\$292,950	\$288,200	\$283,450	\$275,450	\$267,450	\$259,450	\$251,450	\$243,450	\$235,450	\$227,450	\$1,241,450
High Rock & Pollard School Projects (Series IV)	May-07	\$10,500,000	Dec-09	Aug-28	3.35%	\$846,138	\$835,038	\$823,938	\$812,838	\$801,738	\$787,863	\$772,600	\$758,031	\$742,075	\$725,500	\$708,500	\$691,500	\$674,500	\$4,375,938
Newman School HVAC Design and Engineering	May-09	\$225,000	Jun-10	Dec-14	2.20%	\$48,600	\$47,475	\$46,350	\$45,450	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Newman School Extraordinary Repairs	Nov-09	\$1,000,000	Jun-10	Dec-19	2.62%	\$121,500	\$119,000	\$116,500	\$114,500	\$112,375	\$110,000	\$107,375	\$104,500	\$101,500	\$0	\$0	\$0	\$0	\$0
EXCLUDED DEBT						\$6,581,924	\$6,278,449	\$6,125,940	\$6,025,276	\$5,741,331	\$5,587,981	\$5,428,075	\$5,236,275	\$5,020,963	\$3,963,244	\$3,830,731	\$14,669,656		
CPA FUND DEBT FEE SUPPORTED - AUTHORIZED & ISSUED																			
CPA DEBT SERVICE						\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
RTS FUND DEBT FEE SUPPORTED - AUTHORIZED & ISSUED																			
Collection Packer	May-08	\$125,000	Dec-09	Aug-12	2.00%	\$41,200	\$40,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
RTS DEBT SERVICE						\$41,200	\$40,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SEWER FUND DEBT SERVICE FEE SUPPORTED - AUTHORIZED & ISSUED																			
West Street Force Sewer Main	May-98	\$881,800	Jun-99	Jun-19	4.83%	\$67,238	\$70,100	\$67,700	\$70,250	\$72,500	\$69,500	\$71,500	\$68,250	PAID	PAID	PAID		\$0	
West Street Sewer Pump Station	May-98	\$1,939,000	Jun-99	Jun-19	4.83%	\$154,153	\$154,165	\$153,885	\$153,250	\$152,250	\$156,000	\$154,250	\$152,250	PAID	PAID	PAID		\$0	
Sewer - MWPAT 95-01 (Restructured)	May-91	\$310,656	Aug-01	Feb-15	(see note)	\$32,110	\$32,080	\$32,061	\$32,021	PAID								\$0	
Sewer - MWPAT 97-13 (Restructured)	Oct-96	\$67,700	Nov-04	Aug-18	(see note)	\$6,406	\$6,558	\$6,509	\$6,537	\$6,452	\$6,288	\$6,107	\$6,150	PAID	PAID	PAID		\$0	
Sewer - MWPAT 97-33 (Restructured)	Oct-96	\$180,300	Nov-04	Aug-18	(see note)	\$17,194	\$17,593	\$17,427	\$17,374	\$17,020	\$16,721	\$16,208	\$16,195	PAID	PAID	PAID		\$0	
Sewer - MWPAT 97-63 (Restructured 2)	May-97	\$1,019,778	Nov-04	Aug-18	(see note)	\$97,017	\$99,729	\$98,417	\$98,250	\$96,382	\$94,917	\$91,683	\$91,840	PAID	PAID	PAID		\$0	

Town of Needham
 Long Term Debt Service
 Actual Issues
 Includes June 1, 2010 Bond Issue

Project	TM Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Total	
						2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	After 2022
Sewer - MWPAT 98-10 (Restructured)	May-97	\$130,200	Nov-04	Aug-18	(see note)	\$12,388	\$12,793	\$12,594	\$12,567	\$12,321	\$12,114	\$11,683	\$11,685	PAID	PAID	PAID	\$0
Sewer System Rehab - I/I Work (Series II)	May-03	\$425,000	Jun-05	Jun-14	3.14%	\$44,200	\$42,800	\$41,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sewer Pump Station	May-05	\$484,550	Dec-05	Feb-15	3.59%	\$62,840	\$60,915	\$58,935	\$51,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sewer Rehabilitation - Rte 128 Area (Series I)	Nov-05	\$2,000,000	Jun-07	Nov-22	4.35%	\$141,781	\$142,638	\$138,388	\$134,013	\$129,263	\$124,263	\$119,738	\$115,638	\$111,488	\$82,856	\$79,725	\$76,575
Sewer Pump Station - GPA	May-05	\$500,000	Jun-09	Jun-19	3.17%	\$61,500	\$60,500	\$59,500	\$58,375	\$57,188	\$56,000	\$54,000	\$52,000	\$0	\$0	\$0	\$0
Sewer System Rehabilitation I/I	May-07	\$725,000	Jun-09	Jun-14	2.35%	\$154,063	\$151,163	\$148,263	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sewer Rehabilitation - Rte 128 Area	Nov-05	\$320,000	Dec-09	Aug-28	3.39%	\$28,763	\$28,363	\$27,963	\$22,613	\$22,313	\$21,938	\$21,525	\$21,131	\$20,700	\$20,250	\$19,781	\$137,844
Sewer Pump Station GPA	May-08	\$550,000	Dec-09	Aug-28	3.36%	\$45,200	\$44,600	\$44,000	\$43,400	\$42,800	\$42,050	\$41,225	\$40,438	\$39,575	\$33,750	\$32,969	\$229,806
MWRA Loan Sewer Pump Station Richardson Drive	Nov-02	\$215,710	Feb-10	Feb-15	0.00%	\$43,142	\$43,142	\$43,142	\$43,142	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MWRA Loan Sewer System Rehabilitation I/I	May-07	\$283,305	May-10	May-15	0.00%	\$56,661	\$56,661	\$56,661	\$56,661	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sewer Rehabilitation - Rte 128 Area	Nov-05	\$145,000	Jun-10	Dec-19	2.59%	\$18,075	\$17,700	\$17,325	\$17,025	\$16,706	\$16,350	\$15,956	\$15,525	\$10,150	\$0	\$0	\$0
SEWER DEBT SERVICE						\$1,042,729	\$1,041,498	\$1,024,168	\$817,377	\$625,193	\$616,140	\$603,876	\$591,101	\$181,913	\$136,856	\$132,475	\$444,225
WATER FUND DEBT SERVICE FEE SUPPORTED - AUTHORIZED & ISSUED																	
Water Treatment Facility	Nov-97	\$3,090,000	Jun-99	Jun-19	4.83%	\$243,303	\$245,465	\$247,065	\$243,000	\$243,500	\$243,500	\$248,000	\$246,750	PAID			\$0
Water Treatment Facility	May-96	\$2,665,000	Jun-99	Jun-19	4.83%	\$212,183	\$210,295	\$208,095	\$210,500	\$212,250	\$208,500	\$209,500	\$210,000	PAID			\$0
Water Systems - Broadmeadow Area	Nov-00	\$257,304	Jul-01	Aug-11	ZERO	\$25,730	PAID										\$0
Water System Rehab - Warren Area (Series I)	May-05	\$413,500	Dec-05	Feb-15	3.60%	\$51,945	\$50,370	\$53,750	\$51,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Service Connections (Series I)	May-06	\$50,000	Jun-07	Nov-11	4.31%	\$10,213	PAID	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water System Rehab - Rte 128 Area (Series I)	May-06	\$1,500,000	Jun-07	Nov-22	4.32%	\$178,694	\$148,913	\$144,663	\$140,288	\$135,538	\$130,538	\$126,013	\$121,913	\$117,763	\$138,094	\$132,875	\$127,625
Water Service Connections (Series II)	May-06	\$100,000	Dec-07	Jun-12	3.28%	\$25,813	PAID	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Town of Needham
 Long Term Debt Service
 Actual Issues
 Includes June 1, 2010 Bond Issue

Project	TM Vote	Amount Issued	Bond Issued	Final Maturity	Average Rate	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Service	Debt Total	
						2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	After 2022
Water Storage Tank Rehabilitation	May-07	\$600,000	Dec-07	Jun-12	3.28%	\$185,850	PAID	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water System Design	May-01	\$25,000	Dec-07	Jun-12	3.28%	\$5,163	PAID	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water System Rehab - Webster Area (Series II)	May-03	\$100,000	Dec-07	Jun-12	3.28%	\$25,813	PAID	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water System Rehabilitation - Rte 128 Area	May-06	\$230,000	Nov-08	Aug-12	3.48%	\$57,888	\$55,963	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water System Rehabilitation - Rte 128 Area	May-06	\$212,000	Jun-09	Jun-19	3.16%	\$28,638	\$23,158	\$22,778	\$23,350	\$22,875	\$22,400	\$21,600	\$20,800	\$0	\$0	\$0	\$0
Water Storage Tank Rehabilitation	May-08	\$655,000	Jun-09	Jun-19	3.16%	\$81,013	\$79,693	\$78,373	\$75,888	\$74,344	\$72,800	\$70,200	\$67,600	\$0	\$0	\$0	\$0
Water Service Connections	May-06	\$55,000	Dec-09	Aug-19	2.51%	\$6,013	\$5,913	\$5,813	\$5,713	\$5,613	\$5,488	\$5,350	\$5,219	\$5,075	\$0	\$0	\$0
Water System Rehabilitation - Rte 128 Area	May-06	\$100,000	Dec-09	Aug-28	3.41%	\$7,838	\$7,738	\$7,638	\$7,538	\$7,438	\$7,313	\$7,175	\$7,044	\$6,900	\$6,750	\$6,594	\$46,081
Water System Rehabilitation - Rte 128 Area	May-06	\$165,000	Jun-10	Dec-14	2.22%	\$37,600	\$36,725	\$30,900	\$30,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Main Improvements	May-08	\$185,000	Jun-10	Dec-14	2.20%	\$42,850	\$36,925	\$36,050	\$35,350	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Water Distribution System Rehab (Chapel & May) (Pickering & GPA)	May-09	\$400,000	Jun-10	Dec-24	3.02%	\$39,963	\$39,213	\$38,463	\$37,863	\$32,281	\$31,688	\$31,031	\$30,313	\$29,563	\$28,813	\$28,031	\$78,938
WATER DEBT SERVICE						\$1,266,504	\$940,368	\$873,585	\$861,688	\$733,838	\$722,225	\$718,869	\$709,638	\$159,300	\$173,656	\$167,500	\$252,644
TOTAL						\$10,037,460	\$9,235,231	\$8,735,524	\$8,239,198	\$7,551,168	\$7,367,898	\$7,182,241	\$6,958,720	\$5,773,458	\$4,652,319	\$4,499,425	\$16,826,550