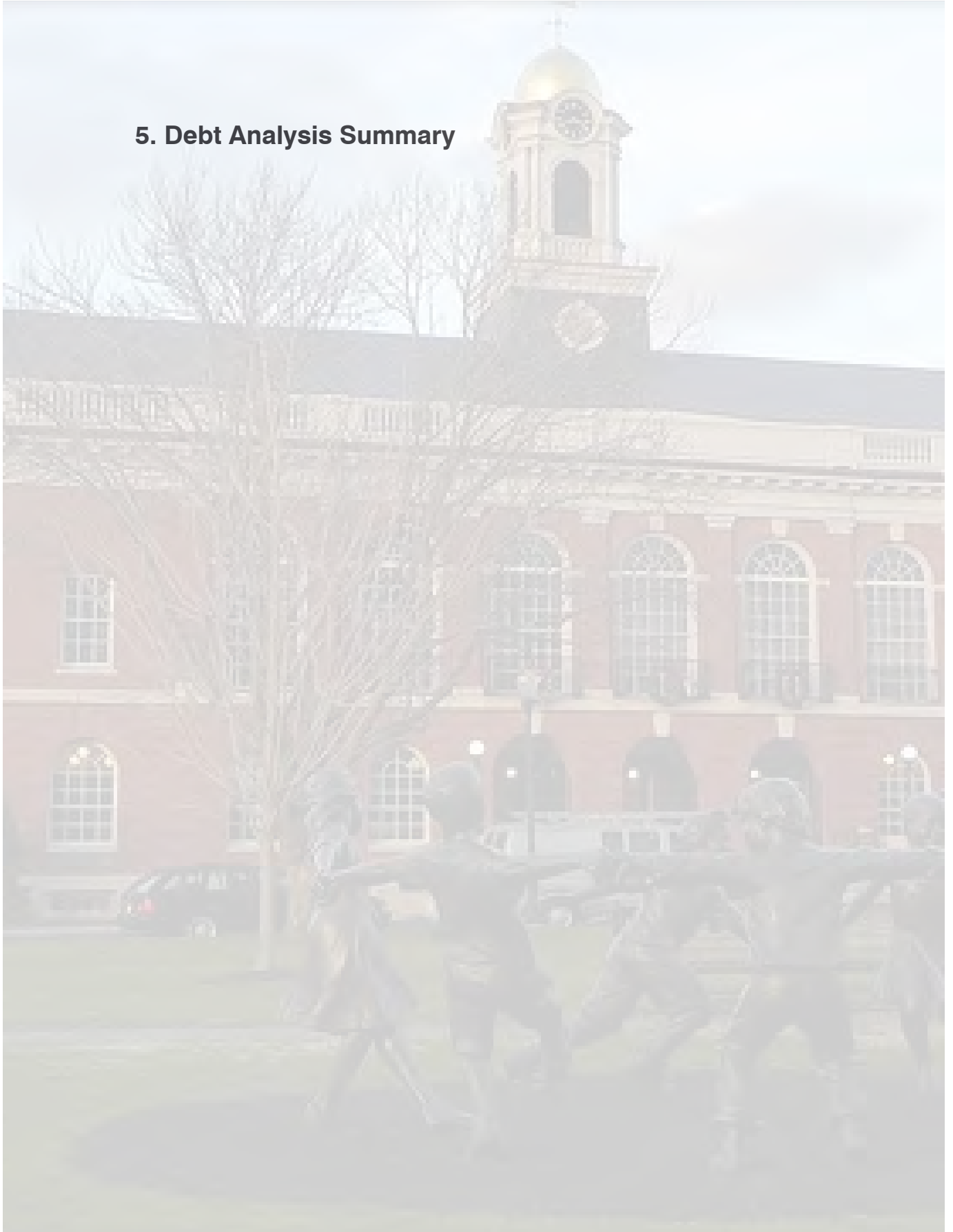


5. Debt Analysis Summary



Town of Needham
Estimated Debt Service
With Facility Master Plan Projects

Description	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	After 2031
A General Fund Within the Limit	4,019,539	4,140,125	4,264,329	4,392,259	4,524,027	4,659,748	4,799,540	4,943,526	5,091,832	5,244,587	5,401,925	5,563,982	5,730,902	5,902,829	6,079,914	5,399,400
B General Fund Excluded	6,947,519	7,880,440	10,749,333	15,412,821	18,415,454	21,877,131	21,380,251	22,392,659	21,041,299	19,540,305	18,363,220	17,429,338	15,943,539	14,570,178	14,001,919	283,695,000
C Community Preservation Act	1,063,475	1,095,379	1,128,241	1,162,088	1,196,950	1,232,859	1,269,845	1,307,940	1,347,178	1,387,594	1,429,221	1,472,098	1,516,261	1,561,749	1,608,601	10,747,700
D Recycling Center and Transfer Station	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	-
E Sewer Enterprise	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	-
F Water Enterprise	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	4,365,063
G Total Debt Service	15,230,533	16,315,945	19,341,902	24,167,168	27,336,431	30,969,738	30,649,636	31,844,125	30,680,309	29,372,486	28,394,366	27,665,418	26,390,702	25,234,755	24,890,434	304,207,163
General Fund Within the Limit																
1 Currently Issued and Outstanding	2,643,827	1,939,032	1,533,136	1,497,618	1,438,828	1,403,689	1,226,644	1,111,530	967,628	867,453	838,834	584,126	568,366	547,161	530,089	-
2 Approved Projects Not Yet Borrowed	795,125	761,050	711,975	668,725	166,025	160,075	154,125	148,175	127,225	102,175	98,325	94,475	90,625	86,775	82,925	-
3 CIP Recommended Projects	560,000	1,523,000	1,596,000	1,598,000	1,694,250	1,436,800	1,224,100	1,065,400	828,000	792,000	756,000	320,000	308,000	296,000	284,000	-
4 Facility Master Plan Projects	-	-	107,100	369,200	358,350	347,500	336,650	325,800	314,950	304,100	293,250	282,400	271,550	260,700	249,850	5,399,400
5 Contingent Debt Service	20,587	(82,957)	316,118	258,716	866,574	1,311,684	1,858,021	2,292,621	2,854,030	3,178,859	3,415,515	4,282,981	4,492,361	4,712,193	4,933,050	-
A General Fund Within the Limit	4,019,539	4,140,125	4,264,329	4,392,259	4,524,027	4,659,748	4,799,540	4,943,526	5,091,832	5,244,587	5,401,925	5,563,982	5,730,902	5,902,829	6,079,914	5,399,400
General Fund Excluded																
1 Currently Issued and Outstanding	6,730,519	6,548,340	6,330,133	6,081,221	5,018,154	4,852,011	4,694,631	4,521,539	3,754,679	2,838,185	2,245,600	1,896,218	1,434,919	615,258	600,699	-
2 Approved Projects Not Yet Borrowed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 CIP Recommended Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Facility Master Plan Projects	217,000	1,332,100	4,419,200	9,331,600	13,397,300	17,025,120	16,685,620	17,871,120	17,286,620	16,702,120	16,117,620	15,533,120	14,508,620	13,954,920	13,401,220	283,695,000
Contingent Debt Service	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B General Fund Excluded	6,947,519	7,880,440	10,749,333	15,412,821	18,415,454	21,877,131	21,380,251	22,392,659	21,041,299	19,540,305	18,363,220	17,429,338	15,943,539	14,570,178	14,001,919	283,695,000
Community Preservation Act																
1 Currently Issued and Outstanding	456,313	449,163	441,494	430,525	416,675	405,041	395,256	384,906	374,763	364,681	354,306	259,997	241,638	51,813	50,625	-
2 Approved Projects Not Yet Borrowed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 CIP Recommended Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Facility Master Plan Projects	-	-	240,000	397,200	718,000	696,650	675,300	653,950	632,600	611,250	589,900	568,550	547,200	525,850	504,500	10,747,700
Contingent Debt Service	607,163	646,217	446,747	334,363	62,275	131,168	199,289	269,084	339,816	411,662	485,015	643,551	727,424	984,086	1,053,476	-
C Community Preservation Act	1,063,475	1,095,379	1,128,241	1,162,088	1,196,950	1,232,859	1,269,845	1,307,940	1,347,178	1,387,594	1,429,221	1,472,098	1,516,261	1,561,749	1,608,601	10,747,700
Recycling Center and Transfer Station																
1 Currently Issued and Outstanding	97,775	25,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 Approved Projects Not Yet Borrowed	51,912	49,572	47,232	44,892	18,552	17,652	16,752	15,052	-	-	-	-	-	-	-	-
3 CIP Recommended Project	-	73,550	78,200	104,300	124,500	103,200	72,800	68,900	-	-	-	-	-	-	-	-
4 Facility Master Plan Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 Contingent Debt Service	313	1,378	24,568	808	6,948	29,148	60,448	66,048	150,000	150,000	150,000	150,000	150,000	150,000	150,000	-
D Recycling Center and Transfer Station	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	-
Sewer Enterprise																
1 Currently Issued and Outstanding	1,043,820	986,918	960,010	556,104	511,113	506,798	502,416	424,560	423,231	421,802	420,277	443,252	430,929	374,908	374,988	-
2 Approved Projects Not Yet Borrowed	40,810	39,220	37,630	36,040	34,450	32,860	31,270	29,680	28,090	-	-	-	-	-	-	-
3 CIP Recommended Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Facility Master Plan Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 Contingent Debt Service	415,370	473,862	502,360	907,856	954,437	960,342	966,314	1,045,761	1,048,679	1,078,198	1,079,723	1,056,748	1,069,071	1,125,092	1,125,012	-
E Sewer Enterprise	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	-
Water Enterprise																
1 Currently Issued and Outstanding	905,551	896,037	890,012	349,244	361,537	353,319	344,997	214,263	210,645	182,452	179,682	176,760	178,738	165,813	162,238	477,713
2 Approved Projects Not Yet Borrowed	445,400	431,300	417,200	403,100	389,000	374,900	360,800	346,700	332,600	258,500	248,000	237,500	227,000	216,500	206,000	978,850
3 CIP Recommended Project	103,100	99,200	95,300	91,400	227,500	513,600	554,300	535,700	517,100	483,500	415,800	401,100	386,400	371,700	357,000	2,908,500
4 Facility Master Plan Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 Contingent Debt Service	95,949	123,463	147,488	706,256	571,963	308,181	289,903	453,337	489,655	625,548	706,518	734,640	757,862	795,987	824,762	-
F Water Enterprise	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	4,365,063

Town of Needham
 Estimated Debt Service
 With Facility Master Plan Projects

Description	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	After 2031
Recap																
1 Currently Issued and Outstanding	11,877,804	10,844,989	10,154,784	8,914,713	7,746,306	7,520,857	7,163,945	6,656,798	5,730,945	4,674,573	4,038,700	3,360,353	2,854,589	1,754,952	1,718,638	5,238,587
2 Approved Projects Not Yet Borrowed	1,333,247	1,281,142	1,214,037	1,152,757	608,027	585,487	562,947	539,607	487,915	360,675	346,325	331,975	317,625	303,275	288,925	1,242,450
3 CIP Recommended Project	663,100	1,695,750	1,769,500	1,793,700	2,046,250	2,053,600	1,851,200	1,670,000	1,345,100	1,275,500	1,171,800	721,100	694,400	667,700	641,000	4,504,500
4 Facility Master Plan Projects	217,000	1,332,100	4,766,300	10,098,000	14,473,650	18,069,270	17,697,570	18,850,870	18,234,170	17,617,470	17,000,770	16,384,070	15,327,370	14,741,470	14,155,570	113,962,020
5 Contingent Debt Service	1,139,382	1,161,964	1,437,281	2,207,999	2,462,198	2,740,524	3,373,974	4,126,851	4,882,179	5,444,267	5,836,772	6,867,920	7,196,718	7,767,358	8,086,301	
G Total	15,230,533	16,315,945	19,341,902	24,167,168	27,336,431	30,969,738	30,649,636	31,844,125	30,680,309	29,372,486	28,394,366	27,665,418	26,390,702	25,234,755	24,890,434	124,947,557
Debt Service % of Total Revenue without Facility Master Plan Projects	9.5%	9.3%	9.0%	8.7%	8.0%	7.8%	7.7%	7.5%	7.0%	6.5%	6.1%	5.9%	5.6%	5.2%	4.9%	
Debt Service % of Total Revenue Excluding Exempt Debt and Related Revenue	5.5%	5.4%	5.4%	5.3%	5.3%	5.3%	5.2%	5.2%	5.1%	5.1%	5.1%	5.0%	5.0%	5.0%	4.9%	
Debt Service % of Total Revenue with Facility Master Plan Projects	9.6%	10.0%	11.4%	13.5%	14.6%	15.9%	15.4%	15.5%	14.7%	13.8%	13.1%	12.5%	11.7%	11.0%	10.6%	
Excluded Debt Tax Impact ASFH (single rate) Existing Debt	\$710	\$689	\$664	\$635	\$509	\$490	\$472	\$535	\$444	\$335	\$265	\$224	\$170	\$72	\$71	
Excluded Debt Tax Impact ASFH (single rate) FMP Projects	\$26	\$159	\$528	\$1,115	\$1,600	\$2,034	\$1,993	\$2,135	\$2,065	\$1,995	\$1,925	\$1,855	\$1,733	\$1,667	\$1,601	
Excluded Debt Tax Impact ASFH (single rate)	\$736	\$848	\$1,192	\$1,750	\$2,109	\$2,524	\$2,465	\$2,670	\$2,509	\$2,330	\$2,190	\$2,079	\$1,903	\$1,739	\$1,672	

ASFH FY2015 \$818,436 Total Assessed Value of Single Family Homes January 1, 2014 6,851,945,000
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Town of Needham
Long Term Debt Service
Actual Issues

Project	TM Vote	Art	Amount	Maturity	C-Rate+	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
						2017	2018	2019	2020	2021	2022	2023	2024	2025

MUNICIPAL WITHIN THE LEVY LIMIT

DPW Garage Bays	May-13	42	\$800,000	May-24	2.09%	\$93,200.00	\$91,600.00	\$90,000.00	\$88,400.00	\$86,800.00	\$85,200.00	\$83,600.00	\$82,000.00	
Fire Engine	May-11	37	\$400,000	Jul-16	2.72%	\$101,500.00								
Kendrick Street Bridge Repair	May-10	35	\$750,000	Aug-21	2.21%	\$84,187.50	\$82,687.50	\$81,187.50	\$79,593.75	\$77,812.50	\$75,937.50			
Parking Lot Improvements	May-08	41	\$100,000	Aug-16	2.00%	\$20,200.00								
Pollard School Boiler Replacement	May-13	40	\$565,000	Jul-21	3.22%	\$82,250.00	\$80,150.00	\$78,050.00	\$75,950.00	\$73,500.00	\$71,050.00			
Pollard School Boiler Replacement	May-13	40	\$95,000	May-18	2.00%	\$25,900.00	\$20,400.00							
Pollard School Roof Replacement	Nov-10	10	\$725,000	Jul-22	3.67%	\$92,375.00	\$90,125.00	\$82,600.00	\$79,800.00	\$77,000.00	\$74,200.00	\$71,400.00		
Property Acquisition	May-12	31	\$605,000	Nov-32	3.39%	\$46,800.00	\$45,750.00	\$44,550.00	\$43,350.00	\$42,300.00	\$41,400.00	\$40,500.00	\$39,600.00	\$38,700.00
Property Acquisition	May-12	31	\$25,000	May-18	2.00%	\$5,200.00	\$5,100.00							
Property Acquisition	Nov-12	17	\$950,000	Nov-32	3.39%	\$76,325.00	\$74,575.00	\$72,575.00	\$70,575.00	\$68,825.00	\$67,325.00	\$65,825.00	\$59,400.00	\$58,050.00
Property Acquisition	Nov-12	17	\$150,000	May-18	2.00%	\$36,400.00	\$35,700.00							
Property Acquisition	May-12	8	\$52,500	Jul-32	2.93%	\$4,300.00	\$4,210.00	\$4,105.00	\$3,985.00	\$3,865.00	\$3,745.00	\$3,625.00	\$3,505.00	\$3,415.00
Property Acquisition	May-12	8	\$1,005,000	Nov-32	3.39%	\$78,000.00	\$76,250.00	\$74,250.00	\$72,250.00	\$70,500.00	\$69,000.00	\$67,500.00	\$66,000.00	\$64,500.00
Property Acquisition	May-12	8	\$117,500	May-18	2.00%	\$31,100.00	\$25,500.00							
Public Services Administration Building (Series I)	Oct-08	5	\$4,000,000	Aug-26	3.16%	\$319,125.00	\$312,525.00	\$306,225.00	\$299,325.00	\$292,125.00	\$284,625.00	\$276,825.00	\$268,725.00	\$235,762.50
Public Services Administration Building (Series II)	Oct-08	5	\$1,000,000	Dec-24	3.07%	\$84,062.50	\$82,356.25	\$80,487.50	\$78,537.50	\$86,437.50	\$84,093.75	\$81,562.50	\$78,937.50	\$76,312.50
Public Services Administration Building (Series IV)	Oct-08	5	\$100,000	Jul-22	3.69%	\$12,450.00	\$12,150.00	\$11,800.00	\$11,400.00	\$11,000.00	\$10,600.00	\$10,200.00		
Public Services Administration Building (Series V)	Oct-08	5	\$20,000	Nov-16	2.95%	\$5,075.00								
Public Works Infrastructure Program	May-10	36	\$306,500	Jul-17	2.72%	\$71,350.00	\$10,150.00							
Public Works Infrastructure Program	May-11	39	\$600,000	Jul-17	2.82%	\$125,400.00	\$121,800.00							
Public Works Infrastructure Program	May-10	36	\$120,000	Jul-16	3.13%	\$40,600.00								

Town of Needham
 Long Term Debt Service
 Actual Issues

Project	DEBT SERVICE 2026	DEBT SERVICE 2027	DEBT SERVICE 2028	DEBT SERVICE 2029	DEBT SERVICE 2030	DEBT SERVICE 2031	DEBT SERVICE After 2031
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MUNICIPAL WITHIN THE LEVY LIMIT

DPW Garage Bays							
Fire Engine							
Kendrick Street Bridge Repair							
Parking Lot Improvements							
Pollard School Boiler Replacement							
Pollard School Boiler Replacement							
Pollard School Roof Replacement							
Property Acquisition	\$37,800.00	\$36,900.00	\$35,962.50	\$34,968.75	\$33,937.50	\$32,868.75	\$62,362.50
Property Acquisition							
Property Acquisition	\$56,700.00	\$55,350.00	\$53,943.75	\$52,453.13	\$50,906.26	\$49,303.13	\$93,543.75
Property Acquisition							
Property Acquisition	\$2,365.00	\$2,325.00	\$2,282.50	\$2,237.50	\$2,192.50	\$2,145.00	\$4,120.00
Property Acquisition	\$63,000.00	\$61,500.00	\$59,937.50	\$58,281.25	\$56,562.50	\$54,781.25	\$103,937.50
Property Acquisition							
Public Services Administration Building (Series I)	\$227,700.00	\$214,200.00					
Public Services Administration Building (Series II)							
Public Services Administration Building (Series IV)							
Public Services Administration Building (Series V)							
Public Works Infrastructure Program							
Public Works Infrastructure Program							
Public Works Infrastructure Program							

Town of Needham
 Long Term Debt Service
 Actual Issues

Project	TM Vote	Art	Amount	Maturity	C-Rate+	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	
						2017	2018	2019	2020	2021	2022	2023	2024	2025	
Public Works Infrastructure Program	May-11	39	\$350,000	Jul-16	3.13%	\$116,725.00									
Public Works Infrastructure Program	May-13	41	\$100,000	May-18	2.00%	\$26,000.00	\$25,500.00								
Public Works Infrastructure Program	May-10	36	\$129,000	May-18	2.00%	\$31,200.00	\$30,600.00								
Public Works Infrastructure Program	May-11	39	\$150,000	May-18	2.00%	\$36,400.00	\$35,700.00								
Public Works Infrastructure Program	May-12	33	\$210,000	May-18	2.00%	\$52,000.00	\$51,000.00								
Senior Center (Series I)	Nov-11	14	\$1,000,000	Nov-32	3.38%	\$77,256.26	\$75,506.26	\$73,506.26	\$71,506.26	\$69,756.26	\$68,256.26	\$66,756.26	\$65,256.26	\$63,756.26	
Senior Center (Series II)	Nov-11	14	\$5,050,000	Jul-33	3.54%	\$406,225.00	\$398,575.00	\$390,925.00	\$383,275.00	\$374,350.00	\$365,425.00	\$357,775.00	\$348,850.00	\$335,000.00	
Senior Center (Series III)	Nov-11	14	\$1,050,500	May-34	2.83%	\$79,300.00	\$78,200.00	\$77,100.00	\$76,000.00	\$74,900.00	\$73,800.00	\$72,700.00	\$71,600.00	\$65,225.00	
Stormwater Systems	May-98	7	\$364,979	Aug-19	(see note)	\$32,701.87	\$31,149.37	\$29,874.01	\$28,566.79						
Street & Traffic Light Improvements	May-08	42	\$25,000	Nov-17	3.34%	\$5,275.00	\$5,100.00								
Title V	May-97	64	\$85,894	Aug-19	(see note)	\$5,662.92	\$5,391.28	\$5,119.64	\$4,853.91						
Town Hall (Series I)	May-09	35	\$2,500,000	Apr-17	2.24%	\$307,500.00									
Town Hall (Series III)	May-09	35	\$385,000	Aug-26	2.63%	\$31,781.26	\$31,281.26	\$30,781.26	\$30,250.01	\$29,656.26	\$29,031.26	\$28,375.01	\$27,656.26	\$26,906.26	
General Total						\$2,643,827.31	\$1,939,031.92	\$1,533,136.17	\$1,497,618.22	\$1,438,827.52	\$1,403,688.77	\$1,226,643.77	\$1,111,530.02	\$967,627.52	

Town of Needham
 Long Term Debt Service
 Actual Issues

Project	DEBT SERVICE 2026	DEBT SERVICE 2027	DEBT SERVICE 2028	DEBT SERVICE 2029	DEBT SERVICE 2030	DEBT SERVICE 2031	DEBT SERVICE After 2031
Public Works Infrastructure Program							
Public Works Infrastructure Program							
Public Works Infrastructure Program							
Public Works Infrastructure Program							
Public Works Infrastructure Program							
Senior Center (Series I)	\$62,256.26	\$60,756.26	\$59,193.76	\$57,537.51	\$50,906.26	\$49,303.13	\$93,543.75
Senior Center (Series II)	\$327,500.00	\$319,687.50	\$311,406.25	\$302,812.50	\$293,906.25	\$284,687.50	\$795,000.00
Senior Center (Series III)	\$63,975.00	\$62,725.00	\$61,400.00	\$60,075.00	\$58,750.00	\$57,000.00	\$160,500.00
Stormwater Systems							
Street & Traffic Light Improvements							
Title V							
Town Hall (Series I)							
Town Hall (Series III)	\$26,156.26	\$25,390.63					
General Total	\$867,452.52	\$838,834.39	\$584,126.26	\$568,365.64	\$547,161.27	\$530,088.76	\$1,313,007.50

Town of Needham
Long Term Debt Service
Actual Issues

Project	TM Vote	Art	Amount	Maturity	C-Rate+	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
						2017	2018	2019	2020	2021	2022	2023	2024	2025

DEBT EXCLUDED FROM THE LEVY LIMIT

Broadmeadow School +	May-00	31	\$8,400,000	Nov-23	3.00%	\$857,150.00	\$828,300.00	\$801,325.00	\$771,225.00	\$741,425.00	\$708,700.00	\$678,000.00	\$642,600.00	
Eliot School	May-00	32	\$5,500,000	Jun-25	3.82%	\$399,843.76	\$388,593.76	\$352,343.76	\$341,343.76	\$330,343.76	\$319,343.76	\$308,343.76	\$297,343.76	\$286,343.76
High Rock & Pollard School Projects	May-07	41	\$1,120,000	Dec-26	3.91%	\$84,550.00	\$82,150.00	\$79,675.00	\$77,125.00	\$74,800.00	\$72,400.00	\$70,000.00	\$62,700.00	\$60,500.00
High Rock & Pollard School Projects	May-07	41	\$5,000,000	Aug-27	4.69%	\$409,662.50	\$398,731.25	\$387,137.50	\$375,212.50	\$362,625.00	\$344,500.00	\$331,500.00	\$318,500.00	\$305,500.00
High Rock & Pollard School Projects	May-07	41	\$10,500,000	Aug-28	3.35%	\$787,862.50	\$772,600.00	\$758,031.25	\$742,075.00	\$720,500.00	\$703,312.50	\$685,437.50	\$666,875.00	\$647,625.00
High Rock School	Nov-06	9	\$480,000	Dec-26	3.91%	\$35,562.50	\$34,562.50	\$33,531.25	\$32,468.75	\$31,500.00	\$30,500.00	\$29,500.00	\$28,500.00	\$27,500.00
High School (Series I)	May-03	31	\$10,000,000	May-26	4.01%	\$757,250.00	\$735,250.00	\$713,250.00	\$641,250.00	\$621,250.00	\$601,250.00	\$581,250.00	\$561,250.00	\$541,250.00
High School (Series IIA)	May-03	31	\$9,000,000	Dec-24	3.89%	\$711,125.00	\$689,925.00	\$668,062.50	\$645,537.50	\$625,000.00	\$603,800.00	\$582,600.00	\$556,500.00	\$535,500.00
High School (Series IIB)	Feb-05	1	\$2,000,000	Dec-26	3.91%	\$149,362.50	\$145,162.50	\$140,831.25	\$136,368.75	\$132,300.00	\$128,100.00	\$123,900.00	\$119,700.00	\$115,500.00
High School (Series III)	Feb-05	1	\$3,850,000	Jun-28	3.42%	\$283,450.00	\$275,450.00	\$267,450.00	\$259,450.00	\$253,450.00	\$247,200.00	\$240,450.00	\$233,700.00	\$226,700.00
Library Project +	May-03	30	\$6,510,000	Dec-19	3.00%	\$902,000.00	\$870,550.00	\$830,475.00	\$796,775.00					
Newman School HVA Repairs (Series I)	Nov-09	14	\$1,000,000	Dec-19	2.62%	\$110,000.00	\$107,375.00	\$104,500.00	\$101,500.00					
Newman School HVA Repairs (Series III)	Nov-09	14	\$5,000,000	Oct-28	3.35%	\$395,300.00	\$389,700.00	\$383,750.00	\$373,600.00	\$359,600.00	\$348,925.00	\$341,050.00	\$332,650.00	\$323,900.00
Newman School HVA Repairs (Series V)	Nov-09	14	\$2,200,000	Nov-32	3.39%	\$171,600.00	\$167,750.00	\$163,350.00	\$158,950.00	\$155,100.00	\$151,800.00	\$148,500.00	\$145,200.00	\$141,900.00
Newman School HVA Repairs (Series VI)	Nov-09	14	\$9,000,000	Jul-32	2.82%	\$675,800.00	\$662,240.00	\$646,420.00	\$628,340.00	\$610,260.00	\$592,180.00	\$574,100.00	\$556,020.00	\$542,460.00
Excluded Total						\$6,730,519	\$6,548,340	\$6,330,133	\$6,081,221	\$5,018,154	\$4,852,011	\$4,694,631	\$4,521,539	\$3,754,679

CPA FUND

Town Hall (Series II)	May-09	35	\$3,500,000	Oct-28	3.36%	\$276,012.50	\$272,112.50	\$267,968.75	\$260,900.00	\$251,150.00	\$243,715.63	\$238,231.26	\$232,381.26	\$226,287.51
Town Hall (Series III)	May-09	35	\$1,225,000	Aug-26	2.63%	\$101,700.00	\$100,100.00	\$98,500.00	\$96,800.00	\$94,900.00	\$92,900.00	\$90,800.00	\$88,500.00	\$86,100.00
Town Hall (Series IV)	May-09	35	\$970,000	Jul-30	2.80%	\$78,600.00	\$76,950.00	\$75,025.00	\$72,825.00	\$70,625.00	\$68,425.00	\$66,225.00	\$64,025.00	\$62,375.00
CPA Total						\$456,313	\$449,163	\$441,494	\$430,525	\$416,675	\$405,041	\$395,256	\$384,906	\$374,763

Town of Needham
 Long Term Debt Service
 Actual Issues

Project	DEBT SERVICE 2026	DEBT SERVICE 2027	DEBT SERVICE 2028	DEBT SERVICE 2029	DEBT SERVICE 2030	DEBT SERVICE 2031	DEBT SERVICE After 2031
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DEBT EXCLUDED FROM THE LEVY LIMIT

Broadmeadow School +							
Eliot School							
High Rock & Pollard School Projects	\$58,300.00	\$56,100.00					
High Rock & Pollard School Projects	\$292,500.00	\$279,500.00	\$266,500.00				
High Rock & Pollard School Projects	\$627,000.00	\$605,000.00	\$583,000.00	\$561,000.00			
High Rock School	\$26,500.00	\$25,500.00					
High School (Series I)	\$520,625.00						
High School (Series IIA)							
High School (Series IIB)	\$111,300.00	\$107,100.00					
High School (Series III)	\$219,450.00	\$211,950.00	\$109,200.00				
Library Project +							
Newman School HVA Repairs (Series I)							
Newman School HVA Repairs (Series III)	\$314,450.00	\$304,650.00	\$294,675.00	\$244,800.00			
Newman School HVA Repairs (Series V)	\$138,600.00	\$135,300.00	\$131,862.50	\$128,218.75	\$124,437.50	\$120,518.75	\$228,662.50
Newman School HVA Repairs (Series VI)	\$529,460.00	\$520,500.00	\$510,980.00	\$500,900.00	\$490,820.00	\$480,180.00	\$912,580.00
Excluded Total	\$2,838,185	\$2,245,600	\$1,896,218	\$1,434,919	\$615,258	\$600,699	\$1,141,243

CPA FUND

Town Hall (Series II)	\$219,706.26	\$212,881.26	\$205,934.38	\$188,700.00			
Town Hall (Series III)	\$83,700.00	\$81,250.00					
Town Hall (Series IV)	\$61,275.00	\$60,175.00	\$54,062.50	\$52,937.50	\$51,812.50	\$50,625.00	
CPA Total	\$364,681	\$354,306	\$259,997	\$241,638	\$51,813	\$50,625	

Town of Needham
Long Term Debt Service
Actual Issues

Project	TM Vote	Art	Amount	Maturity	C-Rate+	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
						2017	2018	2019	2020	2021	2022	2023	2024	2025

RTS ENTERPRISE FUND

Soil Remediation	Nov-12	16	\$140,000	Nov-17	3.31%	\$26,375.00	\$25,500.00							
Construction Equipment	May-13	44	\$210,000	May-17	2.00%	\$71,400.00								
RTS Total						\$97,775	\$25,500							

Sewer ENTERPRISE FUND

MWPAT 97-13	Oct-96	8	\$67,700	Aug-18	(see note)	\$6,288.05	\$6,106.89	\$6,150.00						
MWPAT 97-33	Oct-96	7	\$180,300	Aug-18	(see note)	\$16,720.92	\$16,208.29	\$16,195.00						
MWPAT 97-63	May-97	46	\$1,019,778	Aug-18	(see note)	\$94,916.69	\$91,683.46	\$91,840.00						
MWPAT 98-10	May-97	42	\$130,200	Aug-18	(see note)	\$12,114.16	\$11,683.18	\$11,685.00						
Sewer Pump Station	May-05	49	\$500,000	Jun-19	3.17%	\$56,000.00	\$54,000.00	\$52,000.00						
Sewer Pump Station	May-08	45	\$550,000	Aug-28	3.36%	\$42,050.00	\$41,225.00	\$40,437.50	\$39,575.00	\$33,750.00	\$32,968.75	\$32,156.25	\$31,312.50	\$30,437.50
Sewer Pump Station	May-09	54	\$90,000	Jul-17	2.79%	\$15,675.00	\$15,225.00							
Sewer Pump Station	Nov-11	15	\$6,034,290	Jan-33	2.15%	\$374,005.59	\$374,065.92	\$374,128.59	\$374,191.96	\$374,256.32	\$374,322.93	\$374,390.95	\$374,459.50	\$374,530.66
Sewer System Rehabilitation	Nov-05	9	\$2,000,000	Nov-22	4.35%	\$124,262.50	\$119,737.50	\$115,637.50	\$111,487.50	\$82,856.25	\$79,725.00	\$76,575.00		
Sewer System Rehabilitation	Nov-05	9	\$320,000	Aug-28	3.39%	\$21,937.50	\$21,525.00	\$21,131.25	\$20,700.00	\$20,250.00	\$19,781.25	\$19,293.75	\$18,787.50	\$18,262.50
Sewer System Rehabilitation	Nov-05	9	\$145,000	Dec-19	2.59%	\$16,350.00	\$15,956.25	\$15,525.00	\$10,150.00					
Infiltration and Inflow Removal	May-07	45	\$220,990	Feb-17		\$44,198.00								
West Street Force Main +	May-98	59	\$568,400	May-19	3.98%	\$67,632.50	\$70,232.50	\$67,600.00						
West Street Pumping Station +	May-98	58	\$1,252,300	May-19	3.98%	\$151,669.00	\$149,269.00	\$147,680.00						
Sewer Total						\$1,043,820	\$986,918	\$960,010	\$556,104	\$511,113	\$506,798	\$502,416	\$424,560	\$423,231

Town of Needham
 Long Term Debt Service
 Actual Issues

Project	DEBT SERVICE 2026	DEBT SERVICE 2027	DEBT SERVICE 2028	DEBT SERVICE 2029	DEBT SERVICE 2030	DEBT SERVICE 2031	DEBT SERVICE After 2031
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RTS ENTERPRISE FUND

Soil Remediation							
Construction Equipment							
RTS Total							

Sewer ENTERPRISE FUND

MWPAT 97-13							
MWPAT 97-33							
MWPAT 97-63							
MWPAT 98-10							
Sewer Pump Station							
Sewer Pump Station	\$29,500.00	\$28,500.00	\$42,200.00	\$35,700.00			
Sewer Pump Station							
Sewer Pump Station	\$374,602.39	\$374,676.63	\$374,752.24	\$374,829.00	\$374,907.65	\$374,987.84	\$750,224.19
Sewer System Rehabilitation							
Sewer System Rehabilitation	\$17,700.00	\$17,100.00	\$26,300.00	\$20,400.00			
Sewer System Rehabilitation							
Infiltration and Inflow Removal							
West Street Force Main +							
West Street Pumping Station +							
Sewer Total	\$421,802	\$420,277	\$443,252	\$430,929	\$374,908	\$374,988	\$750,224

Town of Needham
 Long Term Debt Service
 Actual Issues

Project	TM Vote	Art	Amount	Maturity	C-Rate+	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
						2017	2018	2019	2020	2021	2022	2023	2024	2025
MWPAT Water	May-08	47	\$765,335	Jul-30	2.00%	\$49,347.11	\$49,289.34	\$49,229.64	\$49,168.68	\$49,106.10	\$49,043.56	\$48,978.67	\$48,913.08	\$48,845.41
St Mary's Pump Station	May-13	47	\$1,995,000	May-34	2.85%	\$146,775.00	\$144,775.00	\$142,775.00	\$140,775.00	\$138,775.00	\$136,775.00	\$134,775.00	\$132,775.00	\$130,275.00
Water Distribution System Rehabilitation	May-09	56	\$400,000	Dec-24	3.02%	\$31,687.50	\$31,031.25	\$30,312.50	\$29,562.50	\$28,812.50	\$28,031.25	\$27,187.50	\$26,312.50	\$25,437.50
Water Service Connections	May-06	70	\$55,000	Aug-19	2.51%	\$5,487.50	\$5,350.00	\$5,218.75	\$5,075.00					
Water Storage Tank Rehabilitation	May-08	48	\$655,000	Jun-19	3.16%	\$72,800.00	\$70,200.00	\$67,600.00						
Water System Rehabilitation	May-06	71	\$1,500,000	Nov-22	4.32%	\$130,537.50	\$126,012.50	\$121,912.50	\$117,762.50	\$138,093.75	\$132,875.00	\$127,625.00		
Water System Rehabilitation	May-06	71	\$212,000	Jun-19	3.16%	\$22,400.00	\$21,600.00	\$20,800.00						
Water System Rehabilitation	May-06	71	\$100,000	Aug-28	3.41%	\$7,312.50	\$7,175.00	\$7,043.75	\$6,900.00	\$6,750.00	\$6,593.75	\$6,431.25	\$6,262.50	\$6,087.50
Water Treatment Facility +	May-96	47	\$1,710,000	May-19	3.98%	\$202,593.00	\$201,393.00	\$204,360.00						
Water Treatment Facility +	Nov-97	18	\$1,994,300	May-19	3.98%	\$236,610.50	\$239,210.50	\$240,760.00						
Water Total						\$905,551	\$896,037	\$890,012	\$349,244	\$361,537	\$353,319	\$344,997	\$214,263	\$210,645

Town of Needham
 Long Term Debt Service
 Actual Issues

Project	DEBT SERVICE 2026	DEBT SERVICE 2027	DEBT SERVICE 2028	DEBT SERVICE 2029	DEBT SERVICE 2030	DEBT SERVICE 2031	DEBT SERVICE After 2031
WATER ENTERPRISE FUND							
MWPAT Water	\$48,777.26	\$48,707.26	\$48,635.00	\$48,563.06	\$48,488.04	\$48,412.51	
St Mary's Pump Station	\$127,775.00	\$125,275.00	\$122,625.00	\$119,975.00	\$117,325.00	\$113,825.00	\$315,475.00
Water Distribution System Rehabilitation							
Water Service Connections							
Water Storage Tank Rehabilitation							
Water System Rehabilitation							
Water System Rehabilitation							
Water System Rehabilitation	\$5,900.00	\$5,700.00	\$5,500.00	\$10,200.00			
Water Treatment Facility +							
Water Treatment Facility +							
Water Total	\$182,452	\$179,682	\$176,760	\$178,738	\$165,813	\$162,238	\$315,475

Town of Needham
 Estimated Debt Service
 Approved Authorizations Not Yet Issued

Project	TM Vote	Art	Amount	Yrs^	Rate*	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
						2017	2018	2019	2020	2021	2022	2023	2024	2025

MUNICIPAL WITHIN THE LEVY LIMIT

Central Avenue/Elliott Street Bridge Engineering	May-14	39	\$900,000	5	6.00%	\$223,200	\$212,400	\$201,600	\$190,800					
Property Acquisition - 66 - 70 Chestnut Street	Nov-13	22	\$1,330,000	19	5.50%	\$153,475	\$148,800	\$129,125	\$125,275	\$121,425	\$117,575	\$113,725	\$109,875	\$106,025
Public Works Infrastructure Program	May 2012, May 2013, and May 2014 Votes		\$1,490,000	5	5.50%	\$365,450	\$348,950	\$332,450	\$305,950					
Senior Center	Nov-11	14	\$335,000	10	6.00%	\$53,000	\$50,900	\$48,800	\$46,700	\$44,600	\$42,500	\$40,400	\$38,300	\$21,200
General Total						\$795,125	\$761,050	\$711,975	\$668,725	\$166,025	\$160,075	\$154,125	\$148,175	\$127,225

RTS ENTERPRISE FUND

RTS Equipment	May-11	43	\$120,000	5	6.00%	\$29,760	\$28,320	\$26,880	\$25,440					
Soil Remediation	Nov-12	16	\$133,000	9	6.00%	\$22,152	\$21,252	\$20,352	\$19,452	\$18,552	\$17,652	\$16,752	\$15,052	
RTS Total						\$51,912	\$49,572	\$47,232	\$44,892	\$18,552	\$17,652	\$16,752	\$15,052	

Sewer ENTERPRISE FUND

Sewer Pump Station Construction RB	Nov-11	15	\$265,000	10	6.00%	\$40,810	\$39,220	\$37,630	\$36,040	\$34,450	\$32,860	\$31,270	\$29,680	\$28,090
Sewer Total						\$40,810	\$39,220	\$37,630	\$36,040	\$34,450	\$32,860	\$31,270	\$29,680	\$28,090

WATER ENTERPRISE FUND

Water Main Improvements	May-08	47	\$600,000	10	6.00%	\$92,400	\$88,800	\$85,200	\$81,600	\$78,000	\$74,400	\$70,800	\$67,200	\$63,600
St Mary's Pumping Station	May-13	47	\$1,295,000	20	7.00%	\$151,100	\$146,550	\$142,000	\$137,450	\$132,900	\$128,350	\$123,800	\$119,250	\$114,700
St Mary's Pumping Station	May-13	47	\$1,670,100	20	7.00%	\$201,900	\$195,950	\$190,000	\$184,050	\$178,100	\$172,150	\$166,200	\$160,250	\$154,300
Water Total						\$445,400	\$431,300	\$417,200	\$403,100	\$389,000	\$374,900	\$360,800	\$346,700	\$332,600

Town of Needham
 Estimated Debt Service
 Approved Authorizations Not Yet Issued

Project	DEBT SERVICE 2026	DEBT SERVICE 2027	DEBT SERVICE 2028	DEBT SERVICE 2029	DEBT SERVICE 2030	DEBT SERVICE 2031	DEBT SERVICE After 2031
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MUNICIPAL WITHIN THE LEVY LIMIT

Central Avenue/Elliott Street Bridge Engineering							
Property Acquisition - 66 - 70 Chestnut Street	\$102,175	\$98,325	\$94,475	\$90,625	\$86,775	\$82,925	\$180,675
Public Works Infrastructure Program							
Senior Center							
General Total	\$102,175	\$98,325	\$94,475	\$90,625	\$86,775	\$82,925	\$180,675

RTS ENTERPRISE FUND

RTS Equipment							
Soil Remediation							
RTS Total							

Sewer ENTERPRISE FUND

Sewer Pump Station Construction RB							
Sewer Total							

WATER ENTERPRISE FUND

Water Main Improvements							
St Mary's Pumping Station	\$110,150	\$105,600	\$101,050	\$96,500	\$91,950	\$87,400	\$299,100
St Mary's Pumping Station	\$148,350	\$142,400	\$136,450	\$130,500	\$124,550	\$118,600	\$473,750
Water Total	\$258,500	\$248,000	\$237,500	\$227,000	\$216,500	\$206,000	\$772,850

Town of Needham
 Estimated Debt Service
 Recommended CIP FY2016 - FY2020 Authorizations

Project	TM Vote#	Amount	Yrs^	Rate*	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
					2017	2018	2019	2020	2021	2022	2023	2024	2025

MUNICIPAL WITHIN THE LEVY LIMIT

Central Avenue/Elliott Street Bridge	May-15	\$4,000,000	20	6.00%	\$60,000	\$440,000	\$428,000	\$416,000	\$404,000	\$392,000	\$380,000	\$368,000	\$356,000
Public Works Infrastructure Program	May-15	\$1,000,000	5	6.00%	\$260,000	\$248,000	\$236,000	\$224,000	\$212,000				
Public Works Infrastructure Program	May-16	\$750,000	5	6.00%		\$195,000	\$186,000	\$177,000	\$168,000	\$159,000			
Public Works Infrastructure Program	May-17	\$500,000	5	6.00%			\$130,000	\$124,000	\$118,000	\$112,000	\$106,000		
Public Works Infrastructure Program	May-18	\$250,000	5	6.00%				\$65,000	\$62,000	\$59,000	\$56,000	\$53,000	
Fire Engine	May-19	\$575,000	4	6.00%					\$162,250	\$170,800	\$162,100	\$148,400	
High School Class Room Expansion	May-15	\$4,000,000	10	6.00%	\$240,000	\$640,000	\$616,000	\$592,000	\$568,000	\$544,000	\$520,000	\$496,000	\$472,000
General Total					\$560,000	\$1,523,000	\$1,596,000	\$1,598,000	\$1,694,250	\$1,436,800	\$1,224,100	\$1,065,400	\$828,000

RTS ENTERPRISE FUND

Specialized Equipment	May-17	\$285,000	5	6.00%		\$73,550	\$78,200	\$74,300	\$70,400	\$26,500			
Specialized Equipment	May-18	\$250,000	5	6.00%				\$30,000	\$54,100	\$76,700	\$72,800	\$68,900	
RTS Total						\$73,550	\$78,200	\$104,300	\$124,500	\$103,200	\$72,800	\$68,900	

Sewer ENTERPRISE FUND

Sewer Total													
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WATER ENTERPRISE FUND

Water System Rehabilitation	May-15	\$635,000	10	6.00%	\$103,100	\$99,200	\$95,300	\$91,400	\$87,500	\$83,600	\$79,700	\$75,800	\$71,900
Water Main Replacement	May-19	\$4,000,000	20	7.00%					\$140,000	\$430,000	\$474,600	\$459,900	\$445,200
Water Total					\$103,100	\$99,200	\$95,300	\$91,400	\$227,500	\$513,600	\$554,300	\$535,700	\$517,100

Town of Needham
 Estimated Debt Service
 Recommended CIP FY2016 - FY2020 Authorizations

Project	DEBT SERVICE 2026	DEBT SERVICE 2027	DEBT SERVICE 2028	DEBT SERVICE 2029	DEBT SERVICE 2030	DEBT SERVICE 2031	DEBT SERVICE After 2031
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MUNICIPAL WITHIN THE LEVY LIMIT

Central Avenue/Elliot Street Bridge	\$344,000	\$332,000	\$320,000	\$308,000	\$296,000	\$284,000	\$1,312,000
Public Works Infrastructure Program							
Public Works Infrastructure Program							
Public Works Infrastructure Program							
Public Works Infrastructure Program							
Fire Engine							
High School Class Room Expansion	\$448,000	\$424,000					
General Total	\$792,000	\$756,000	\$320,000	\$308,000	\$296,000	\$284,000	\$1,312,000

RTS ENTERPRISE FUND

Specialized Equipment							
Specialized Equipment							
RTS Total							

Sewer ENTERPRISE FUND

Sewer Total							
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WATER ENTERPRISE FUND

Water System Rehabilitation	\$53,000						
Water Main Replacement	\$430,500	\$415,800	\$401,100	\$386,400	\$371,700	\$357,000	
Water Total	\$483,500	\$415,800	\$401,100	\$386,400	\$371,700	\$357,000	

Town of Needham
 Estimated Debt Service
 Facility Master Plan Projects

Project	TM Vote#	Amount	Yrs^	Rate*	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
					2017	2018	2019	2020	2021	2022	2023	2024	2025

MUNICIPAL WITHIN THE LEVY LIMIT

Rosemary Pool GF 30%	2016 ATM	\$3,060,000	21	7.00%		\$107,100	\$369,200	\$358,350	\$347,500	\$336,650	\$325,800	\$314,950	\$304,100
General Total						\$107,100	\$369,200	\$358,350	\$347,500	\$336,650	\$325,800	\$314,950	\$304,100

DEBT EXCLUDED FROM THE LEVY LIMIT

High Rock School	2016 STM	\$4,400,000	12	7.00%	\$77,000	\$154,000	\$748,000	\$717,200	\$686,400	\$655,600	\$624,800	\$594,000	\$563,200	\$532,400
New School at DeFazio (1st Bond)	2016 STM	\$21,160,000	23	7.00%	\$140,000	\$740,600	\$2,621,200	\$2,541,400	\$2,381,600	\$2,307,400	\$2,233,200	\$2,159,000	\$2,084,800	\$2,010,600
New School at DeFazio (2nd Bond)	2016 ATM	\$20,000,000	22	7.00%		\$350,000	\$700,000	\$2,650,000	\$2,562,500	\$2,225,000	\$2,155,000	\$2,085,000	\$2,015,000	\$1,945,000
New Public Safety Building	2018 ATM	\$37,800,000	21	7.00%			\$1,323,000	\$4,536,000	\$4,403,700	\$4,271,400	\$4,139,100	\$4,006,800	\$3,874,500	
Capital Project	2017 ATM	\$8,000,000	21	7.00%			\$280,000	\$960,000	\$932,000	\$904,000	\$876,000	\$848,000	\$820,000	
DPW Phased Project (1st Bond)	2016 ATM	\$10,000,000	20	7.00%		\$87,500	\$350,000	\$1,260,000	\$1,220,800	\$1,181,600	\$1,142,400	\$1,103,200	\$1,064,000	\$1,024,800
DPW Phased Project (2nd Bond)	2016 ATM	\$15,000,000	22	7.00%			\$350,000	\$525,000	\$1,800,000	\$1,747,500	\$1,695,000	\$1,642,500	\$1,590,000	
Mitchell School (1st Bond)	2018 ATM	\$24,926,000	22	7.00%			\$210,000	\$525,000	\$2,994,820	\$2,907,320	\$2,819,820	\$2,732,320	\$2,644,820	
Mitchell School (2nd Bond)	2018 ATM	\$20,000,000	22	7.00%				\$525,000	\$700,000	\$2,400,000	\$2,330,000	\$2,260,000		
Excluded Total					\$217,000	\$1,332,100	\$4,419,200	\$9,331,600	\$13,397,300	\$17,025,120	\$16,685,620	\$17,871,120	\$17,286,620	\$16,702,120

CPA FUND

Rosemary Pool CPA Debt 60%	2016 ATM	\$6,140,000	22	7.00%		\$240,000	\$397,200	\$718,000	\$696,650	\$675,300	\$653,950	\$632,600	\$611,250
CPA Total						\$240,000	\$397,200	\$718,000	\$696,650	\$675,300	\$653,950	\$632,600	\$611,250

RTS ENTERPRISE FUND

RTS Total													
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Town of Needham
 Estimated Debt Service
 Facility Master Plan Projects

	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
Project	2027	2028	2029	2030	2031	After 2031

MUNICIPAL WITHIN THE LEVY LIMIT

Rosemary Pool GF 30%	\$293,250	\$282,400	\$271,550	\$260,700	\$249,850	\$6,977,400
General Total	\$293,250	\$282,400	\$271,550	\$260,700	\$249,850	\$6,977,400

DEBT EXCLUDED FROM THE LEVY LIMIT

High Rock School	\$501,600	\$470,800				\$6,325,000
New School at DeFazio (1st Bond)	\$1,936,400	\$1,862,200	\$1,788,000	\$1,713,800	\$1,639,600	\$46,608,000
New School at DeFazio (2nd Bond)	\$1,875,000	\$1,805,000	\$1,735,000	\$1,665,000	\$1,595,000	\$44,877,500
New Public Safety Building	\$3,742,200	\$3,609,900	\$3,477,600	\$3,345,300	\$3,213,000	\$89,869,500
Capital Project	\$792,000	\$764,000	\$736,000	\$708,000	\$680,000	\$19,020,000
DPW Phased Project (1st Bond)	\$985,600	\$946,400	\$907,200	\$868,000	\$828,800	\$21,115,100
DPW Phased Project (2nd Bond)	\$1,537,500	\$1,485,000	\$1,432,500	\$1,380,000	\$1,327,500	\$37,287,500
Mitchell School (1st Bond)	\$2,557,320	\$2,469,820	\$2,382,320	\$2,294,820	\$2,207,320	\$61,119,100
Mitchell School (2nd Bond)	\$2,190,000	\$2,120,000	\$2,050,000	\$1,980,000	\$1,910,000	\$53,385,000
Excluded Total	\$16,117,620	\$15,533,120	\$14,508,620	\$13,954,920	\$13,401,220	\$379,606,700

CPA FUND

Rosemary Pool CPA Debt 60%	\$589,900	\$568,550	\$547,200	\$525,850	\$504,500	\$14,134,450
CPA Total	\$589,900	\$568,550	\$547,200	\$525,850	\$504,500	\$14,134,450

RTS ENTERPRISE FUND

RTS Total						
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Town of Needham
 Estimated Debt Service
 Facility Master Plan Projects

Project	TM Vote#	Amount	Yrs^	Rate*	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
					2017	2018	2019	2020	2021	2022	2023	2024	2025	2026

Sewer ENTERPRISE FUND

Sewer Total

WATER ENTERPRISE FUND

Water Total

Town of Needham
 Estimated Debt Service
 Facility Master Plan Projects

	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE	DEBT SERVICE
Project	2027	2028	2029	2030	2031	After 2031

Sewer ENTERPRISE FUND

Sewer Total						
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WATER ENTERPRISE FUND

Water Total						
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