

**COMPARISON REOFFERING YIELDS (Massachusetts) - PAGE 1**

**May 2022**

<b>MUNICIPALITY:</b>	North Reading	Newburyport	Belmont	Easton
<b>BANK QUALIFIED:</b>	No	Yes	No	No
<b>RATING:</b>	Aa2	AAA	Aaa	Aa3 / AA
<b>AMOUNT:</b>	\$6,205,000	\$7,540,000	\$12,765,000	\$17,700,000
<b>SALE DATE:</b>	5/5/2022	5/10/2022	5/11/2022	5/17/2022
<b>TERM:</b>	20	20	30	20
<b>TIC:</b>	3.5052%	3.3489%	4.1326%	3.8155%
<b>INSURANCE:</b>	No	No	No	No
<b>TERM BONDS:</b>	Yes	Yes	Yes	No
<b>TAXABLE:</b>	No	No	No	No
<b>BID:</b>	106.5979	107.2135	100.8027	107.7262

<b>\$ PREMIUM:</b>	\$ 409,400	\$ 543,898	\$ 102,465	\$ 1,367,537
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	<u>Coupon</u>	<u>Reoffering Yield</u>	<u>Coupon</u>	<u>Reoffering Yield</u>	<u>Coupon</u>	<u>Reoffering Yield</u>	<u>Coupon</u>	<u>Reoffering Yield</u>
2022								
2023	5.000%	2.050%	5.000%	2.000%	5.000%	2.000%	5.000%	2.070%
2024	5.000%	2.350%	5.000%	2.300%	5.000%	2.310%	5.000%	2.380%
2025	5.000%	2.520%	5.000%	2.460%	5.000%	2.500%	5.000%	2.570%
2026	5.000%	2.550%	5.000%	2.490%	5.000%	2.540%	5.000%	2.620%
2027	5.000%	2.610%	5.000%	2.560%	5.000%	2.640%	5.000%	2.710%
2028	5.000%	2.700%	5.000%	2.650%	5.000%	2.720%	5.000%	2.860%
2029	5.000%	2.780%	5.000%	2.750%	5.000%	2.820%	5.000%	3.000%
2030	5.000%	2.880%	5.000%	2.850%	5.000%	2.900%	5.000%	3.070%
2031	5.000%	2.930%	4.000%	2.900%	5.000%	2.970%	5.000%	3.140%
2032	5.000%	3.030%	4.000%	3.000%	5.000%	3.040%	5.000%	3.220%
2033	4.000%	3.320%	4.000%	3.050%	3.750%	3.760%	5.000%	3.300%
2034	4.000%	3.390%			3.750%	3.830%	5.000%	3.350%
2035	4.000%	3.460%			3.875%	3.890%	5.000%	3.410%
2036	4.000%	3.530%	4.000%	3.070%	3.875%	3.940%	5.000%	3.470%
2037	4.000%	3.650%			3.875%	3.990%	5.000%	3.510%
2038			4.000%	3.100%	4.000%	4.030%	5.000%	3.570%
2039			4.000%	3.150%	4.000%	4.070%	5.000%	3.630%
2040			4.000%	3.200%	4.000%	4.090%	4.000%	4.160%
2041			4.000%	3.250%	4.000%	4.100%	4.000%	4.170%
2042	4.000%	4.150%	4.000%	3.300%	4.000%	4.120%	4.000%	4.190%
2043								
2044					4.000%	4.200%		
2045								
2046								
2047					4.250%	4.300%		
2048								
2049								
2050								
2051								
2052					4.250%	4.400%		
	Callable May 15, 2031		Callable May 15, 2031		Callable June 1, 2031		Callable June 1, 2031	

**COMPARISON REOFFERING YIELDS (Massachusetts) - PAGE 2**

**May 2022**

<b>MUNICIPALITY:</b>	Franklin	Methuen	Bedford	Concord
<b>BANK QUALIFIED:</b>	Yes	No	No	No
<b>RATING:</b>	AAA	AA	AAA	Aaa
<b>AMOUNT:</b>	\$4,665,000	\$9,330,000	\$15,030,000	\$18,405,000
<b>SALE DATE:</b>	5/18/2022	5/18/2022	5/19/2022	5/24/2022
<b>TERM:</b>	20	20	10	20
<b>TIC:</b>	3.3852%	3.4449%	2.6771%	3.2882%
<b>INSURANCE:</b>	No	No	No	No
<b>TERM BONDS:</b>	No	Yes	No	No
<b>TAXABLE:</b>	No	No	No	No
<b>BID:</b>	105.0934	106.3958	104.6390	109.0405

<b>\$ PREMIUM:</b>	\$ 237,607	\$ 596,728	\$ 697,242	\$ 1,663,904
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	Reoffering		Reoffering		Reoffering		Reoffering	
	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>
2022			5.000%	1.980%	5.000%	1.500%		
2023	5.000%	2.000%	5.000%	2.240%	5.000%	2.080%	5.000%	1.780%
2024	5.000%	2.250%	5.000%	2.540%	5.000%	2.280%	5.000%	2.100%
2025	5.000%	2.520%	5.000%	2.700%	5.000%	2.440%	5.000%	2.300%
2026	5.000%	2.550%	5.000%	2.720%	5.000%	2.460%	5.000%	2.360%
2027	5.000%	2.650%	5.000%	2.800%	5.000%	2.550%	5.000%	2.420%
2028	5.000%	2.780%	5.000%	3.000%	3.000%	2.690%	5.000%	2.540%
2029	5.000%	2.920%	5.000%	3.100%	3.000%	2.810%	5.000%	2.660%
2030	5.000%	2.980%	5.000%	3.200%	3.000%	2.870%	5.000%	2.720%
2031	3.250%	3.100%	5.000%	3.300%	3.000%	2.930%	5.000%	2.770%
2032	3.400%	3.350%	5.000%	3.350%			5.000%	2.850%
2033	3.450%	3.420%	4.000%	3.500%			5.000%	2.950%
2034	3.550%	3.520%	4.000%	3.700%			5.000%	3.000%
2035	3.650%	3.620%	4.000%	3.800%			5.000%	3.050%
2036	3.750%	3.720%					5.000%	3.100%
2037	3.800%	3.770%	4.000%	4.000%			4.000%	3.500%
2038	3.850%	3.820%	4.000%	4.050%			4.000%	3.550%
2039	3.900%	3.860%	4.000%	4.080%			4.000%	3.600%
2040	3.900%	3.880%	4.000%	4.100%			4.000%	3.700%
2041	3.950%	3.920%	4.000%	4.120%			4.000%	3.800%
2042	4.000%	3.970%					4.000%	3.850%
2043								
2044								
2045								
2046								
2047								
2048								
2049								
2050								
2051								
2052								

	Callable May 15, 2030	Callable Sept. 1, 2030	Non-callable	Callable Jan. 15, 2031
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**COMPARISON REOFFERING YIELDS (Massachusetts) - PAGE 3**

**May 2022**

<b>MUNICIPALITY:</b>	Malden	Harwich	Lawrence	Westfield
<b>BANK QUALIFIED:</b>	Yes	Yes	No	No
<b>RATING:</b>	AA	AAA	AA	AA
<b>AMOUNT:</b>	\$5,630,000	\$5,135,000	\$40,435,000	\$20,820,000
<b>SALE DATE:</b>	5/24/2022	5/25/2022	5/25/2022	5/25/2022
<b>TERM:</b>	15	20	30	28
<b>TIC:</b>	3.2515%	3.2076%	3.9948%	3.8133%
<b>INSURANCE:</b>	No	No	No	No
<b>TERM BONDS:</b>	Yes	No	No	Yes
<b>TAXABLE:</b>	No	No	No	No
<b>BID:</b>	107.9862	108.8027	101.5247	103.2959

<b>\$ PREMIUM:</b>	s	\$ 452,019	\$ 616,512	\$ 686,206
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	<b>Reoffering</b>		<b>Reoffering</b>		<b>Reoffering</b>		<b>Reoffering</b>	
	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>
2022								
2023	5.000%	1.900%	5.000%	1.800%	5.000%	1.900%	5.000%	1.850%
2024	5.000%	2.200%	5.000%	2.100%	5.000%	2.170%	5.000%	2.140%
2025	5.000%	2.400%	5.000%	2.280%	5.000%	2.350%	5.000%	2.320%
2026	5.000%	2.470%	5.000%	2.300%	5.000%	2.400%	5.000%	2.340%
2027	5.000%	2.540%	5.000%	2.370%	5.000%	2.450%	5.000%	2.410%
2028	5.000%	2.650%	5.000%	2.470%	5.000%	2.630%	5.000%	2.540%
2029	5.000%	2.800%	5.000%	2.590%	5.000%	2.770%	5.000%	2.660%
2030	5.000%	2.900%	5.000%	2.650%	5.000%	2.850%	5.000%	2.730%
2031	5.000%	2.950%	5.000%	2.740%	5.000%	2.920%	5.000%	2.780%
2032	4.000%	3.050%	5.000%	2.820%	5.000%	2.990%	4.000%	2.940%
2033	4.000%	3.100%	5.000%	2.900%	5.000%	3.070%	4.000%	3.030%
2034	4.000%	3.150%	5.000%	2.950%	4.000%	3.300%	4.000%	3.150%
2035	4.000%	3.200%	4.000%	3.310%	4.000%	3.400%	4.000%	3.300%
2036			4.000%	3.360%	4.000%	3.500%	4.000%	3.400%
2037	4.000%	3.250%	4.000%	3.400%	4.000%	3.600%	4.000%	3.500%
2038			4.000%	3.470%	4.000%	3.700%	4.000%	3.600%
2039			4.000%	3.570%	4.000%	3.800%	4.000%	3.700%
2040			4.000%	3.650%	4.000%	3.900%	4.000%	3.800%
2041			4.000%	3.750%	4.000%	3.950%	4.000%	3.900%
2042			4.000%	3.800%	4.000%	4.000%		
2043					4.000%	4.030%	4.000%	4.000%
2044					4.000%	4.050%	4.000%	4.010%
2045					4.000%	4.070%	4.000%	4.020%
2046					4.000%	4.090%	4.000%	4.030%
2047					4.000%	4.110%		
2048					4.000%	4.130%		
2049					4.000%	4.140%		
2050					4.000%	4.150%	4.000%	4.070%
2051					4.125%	4.160%		
2052					4.125%	4.170%		

Callable June 1, 2031

Callable June 1, 2031

Callable June 1, 2031

Callable June 1, 2030

**COMPARISON REOFFERING YIELDS (Massachusetts) - PAGE 4**

**May 2022**

<b>MUNICIPALITY:</b>	Braintree
<b>BANK QUALIFIED:</b>	Yes
<b>RATING:</b>	AA
<b>AMOUNT:</b>	\$5,615,000
<b>SALE DATE:</b>	5/26/2022
<b>TERM:</b>	20
<b>TIC:</b>	3.1268%
<b>INSURANCE:</b>	No
<b>TERM BONDS:</b>	Yes
<b>TAXABLE:</b>	No
<b>BID:</b>	107.5573

<b>\$ PREMIUM:</b>	\$	424,342
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	<b>Reoffering</b>	
	<b><u>Coupon</u></b>	<b><u>Yield</u></b>
2022		
2023	5.000%	1.850%
2024	5.000%	2.030%
2025	5.000%	2.170%
2026	5.000%	2.190%
2027	5.000%	2.260%
2028	5.000%	2.360%
2029	5.000%	2.620%
2030	5.000%	2.700%
2031	5.000%	2.750%
2032	5.000%	2.800%
2033	4.000%	2.900%
2034	4.000%	2.950%
2035	3.125%	3.200%
2036	3.250%	3.300%
2037	3.375%	3.400%
2038		
2039		
2040		
2041		
2042	4.000%	3.500%
2043		
2044		
2045		
2046		
2047		
2048		
2049		
2050		
2051		
2052		
	Callable June 1, 2031	

**COMPARISON REOFFERING YIELDS (Connecticut and Maine) - PAGE 5**

**May 2022**

<b>MUNICIPALITY:</b>	Westport, CT	Woodbury, CT	Stratford, CT	Connecticut RSD #13
<b>BANK QUALIFIED:</b>	No	Yes	No	Yes
<b>RATING:</b>	Aaa	Aa1	A2 / AA	Aa3
<b>AMOUNT:</b>	\$11,100,000	\$6,015,000	\$15,650,000	\$6,900,000
<b>SALE DATE:</b>	5/3/2022	5/4/2022	5/5/2022	5/10/2022
<b>TERM:</b>	20	20	18	19
<b>TIC:</b>	3.3842%	3.4984%	3.7507%	3.5991%
<b>INSURANCE:</b>	No	No	No	Yes
<b>TERM BONDS:</b>	No	No	No	No
<b>TAXABLE:</b>	No	No	No	No
<b>BID:</b>	102.7557	105.784	105.7673	105.1256
<b>\$ PREMIUM:</b>	\$ 305,883	\$ 347,908	\$ 902,582	\$ 353,666

	<b>Reoffering</b>		<b>Reoffering</b>		<b>Reoffering</b>		<b>Reoffering</b>	
	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>
2022								
2023	5.000%	1.960%	5.000%	2.010%				
2024	5.000%	2.220%	5.000%	2.290%			5.000%	2.330%
2025	5.000%	2.390%	5.000%	2.460%	5.000%	2.550%	5.000%	2.470%
2026	5.000%	2.430%	5.000%	2.500%	5.000%	2.620%	5.000%	2.570%
2027	5.000%	2.490%	5.000%	2.550%	5.000%	2.720%	5.000%	2.670%
2028	5.000%	2.540%	3.000%	2.600%	5.000%	2.790%	5.000%	2.770%
2029	4.000%	2.710%	5.000%	2.680%	5.000%	2.900%	5.000%	2.870%
2030	4.000%	2.810%	5.000%	2.720%	5.000%	2.980%	5.000%	2.970%
2031	3.000%	3.120%	4.000%	2.800%	5.000%	3.060%	4.000%	3.000%
2032	3.125%	3.230%	4.000%	2.900%	5.000%	3.140%	4.000%	3.050%
2033	3.250%	3.330%	4.000%	3.000%	5.000%	3.200%	4.000%	3.150%
2034	3.375%	3.400%	4.000%	3.100%	5.000%	3.240%	4.000%	3.200%
2035	3.375%	3.470%	4.000%	3.150%	4.000%	3.720%	4.000%	3.300%
2036	3.500%	3.530%	4.000%	3.200%	4.000%	3.750%	4.000%	3.350%
2037	3.500%	3.590%	4.000%	3.250%	4.000%	3.800%	4.000%	3.400%
2038	3.625%	3.640%	4.000%	3.300%	4.000%	3.850%	4.000%	3.450%
2039	3.625%	3.690%	4.000%	3.350%	4.000%	3.900%	4.000%	3.500%
2040	3.625%	3.730%	4.000%	3.400%	4.000%	3.930%	4.000%	3.550%
2041	3.750%	3.760%	4.000%	3.450%	4.000%	3.950%	4.000%	3.600%
2042	3.750%	3.800%	4.000%	3.500%	4.000%	4.000%	4.000%	3.650%
2043								
2044								
2045								
2046								
2047								
2048								
2049								
2050								
2051								
2052								
	Callable May 15, 2028		Callable May 15, 2030		Callable May 15, 2030		Callable May 15, 2030	

**COMPARISON REOFFERING YIELDS (CT and ME) - PAGE 6**

**May 2022**

<b>MUNICIPALITY:</b>	Mansfield, CT	Windsor Locks, CT	Biddeford, ME	Canton, CT
<b>BANK QUALIFIED:</b>	No	No	No	No
<b>RATING:</b>	AA	AA+	Aa3 / AA	AAA
<b>AMOUNT:</b>	\$15,000,000	\$20,000,000	\$11,900,000	\$7,875,000
<b>SALE DATE:</b>	5/9/2022	5/17/2022	5/17/2022	5/25/2022
<b>TERM:</b>	19	29	20	20
<b>TIC:</b>	3.7579%	4.0312%	3.8002%	3.4899%
<b>INSURANCE:</b>	No	No	No	No
<b>TERM BONDS:</b>	No	Yes	No	No
<b>TAXABLE:</b>	No	No	No	No
<b>BID:</b>	103.608	103.2455	106.2266	104.8278
<b>\$ PREMIUM:</b>	\$ 541,200	\$ 649,100	\$ 740,965	\$ 380,189

	<b>Reoffering</b>		<b>Reoffering</b>		<b>Reoffering</b>		<b>Reoffering</b>	
	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>	<u>Coupon</u>	<u>Yield</u>
2022								
2023			5.000%	2.100%	5.000%	2.200%	5.000%	1.780%
2024	5.000%	2.320%	5.000%	2.380%	5.000%	2.450%	5.000%	2.070%
2025	5.000%	2.480%	5.000%	2.570%	5.000%	2.600%	5.000%	2.260%
2026	5.000%	2.570%	5.000%	2.620%	5.000%	2.650%	5.000%	2.300%
2027	5.000%	2.690%	5.000%	2.680%	5.000%	2.750%	5.000%	2.370%
2028	5.000%	2.800%	5.000%	2.810%	5.000%	2.900%	5.000%	2.460%
2029	5.000%	2.910%	5.000%	2.930%	5.000%	3.050%	5.000%	2.580%
2030	5.000%	3.000%	5.000%	3.000%	5.000%	3.150%	5.000%	2.670%
2031	4.000%	3.350%	5.000%	3.070%	5.000%	3.250%	5.000%	2.740%
2032	4.000%	3.450%	5.000%	3.120%	5.000%	3.350%	3.400%	3.350%
2033	4.000%	3.540%	5.000%	3.170%	5.000%	3.450%	3.450%	3.420%
2034	4.000%	3.610%	5.000%	3.200%	5.000%	3.500%	3.550%	3.520%
2035	4.000%	3.680%	4.000%	3.750%	5.000%	3.550%	3.650%	3.620%
2036	4.000%	3.750%	4.000%	3.850%	5.000%	3.600%	3.750%	3.720%
2037	4.000%	3.820%	4.000%	3.950%	4.000%	4.000%	3.800%	3.770%
2038	4.000%	3.890%	4.000%	4.050%	4.000%	4.020%	3.850%	3.820%
2039	4.000%	3.950%	4.000%	4.100%	4.000%	4.050%	3.900%	3.860%
2040	4.000%	4.000%	4.000%	4.150%	4.000%	4.070%	3.900%	3.880%
2041	4.000%	4.070%	4.125%	4.200%	4.000%	4.090%	3.950%	3.920%
2042	4.000%	4.140%	4.125%	4.220%	4.000%	4.120%	4.000%	3.970%
2043			4.125%	4.250%				
2044			4.250%	4.270%				
2045			4.250%	4.290%				
2046								
2047								
2048			4.250%	4.330%				
2049								
2050								
2051			4.250%	4.360%				
2052								
	Callable May 15, 2030		Callable July 15, 2032		Callable Oct. 1, 2032		Callable June 1, 2029	