

COMPARISON REOFFERING YIELDS (Massachusetts) - PAGE 1

October 2021

MUNICIPALITY:	Hampden-Wilbraham RSD		Quincy		Holden		Pittsfield		Amesbury	
BANK QUALIFIED:	Yes		No		No		No		Yes	
RATING:	Aa3		AA		AA+		AA		AA	
AMOUNT:	\$5,070,000		\$9,730,000		\$11,695,000		\$2,590,000		\$5,925,000	
SALE DATE:	10/4/2021		10/5/2021		10/6/2021		10/6/2021		10/13/2021	
TERM:	18		18		20		10		20	
TIC:	1.7087%		1.7668%		1.6559%		0.9262%		1.5599%	
INSURANCE:	No		No		No		No		No	
TERM BONDS:	Yes		Yes		Yes		No		Yes	
TAXABLE:	No		No		No		No		No	
BID:	103.956		110.3029		112.4777		115.4335		113.2629	
\$ PREMIUM:	\$ 200,569		\$ 1,002,472		\$ 1,459,267		\$ 399,728		\$ 785,827	
		Reoffering		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>	<u>Coupon</u>	<u>Yield</u>
2022	4.000%	0.200%	5.000%	0.170%	5.000%	0.160%	4.000%	0.180%	5.000%	0.250%
2023	4.000%	0.300%	5.000%	0.210%	5.000%	0.210%	4.000%	0.220%	5.000%	0.300%
2024	2.000%	0.400%	5.000%	0.290%	5.000%	0.270%	4.000%	0.300%	5.000%	0.350%
2025	3.000%	0.500%	5.000%	0.420%	5.000%	0.400%	4.000%	0.440%	5.000%	0.460%
2026	3.000%	0.650%	5.000%	0.570%	5.000%	0.540%	4.000%	0.590%	5.000%	0.600%
2027	2.000%	0.850%	5.000%	0.770%	5.000%	0.730%	4.000%	0.790%	5.000%	0.780%
2028	3.000%	0.950%	5.000%	0.910%	5.000%	0.880%	4.000%	0.930%	5.000%	0.960%
2029	3.000%	1.100%	5.000%	1.050%	5.000%	1.020%	4.000%	1.070%	5.000%	1.120%
2030			5.000%	1.140%	5.000%	1.100%	4.000%	1.160%	5.000%	1.230%
2031	2.000%	1.300%	4.000%	1.250%	4.000%	1.220%	4.000%	1.250%	5.000%	1.300%
2032			3.000%	1.500%	3.000%	1.450%			2.000%	1.500%
2033	2.000%	1.400%	2.000%	1.870%	3.000%	1.500%			2.000%	1.600%
2034			2.000%	1.930%	2.000%	1.900%				
2035	2.000%	1.600%	2.000%	2.000%	2.000%	1.950%			2.000%	1.700%
2036			2.000%	2.030%	2.000%	2.000%				
2037	2.000%	1.800%	2.000%	2.070%						
2038	2.000%	2.000%							2.000%	1.900%
2039	2.000%	2.050%	2.000%	2.150%						
2040										
2041					2.125%	2.150%			2.000%	2.200%
2042										
2043										
2044										
2045										
2046										
	Callable Aug 15, 2029		Callable Dec. 1, 2030		Callable Oct. 15, 2030		Non-callable		Callable Sept. 15, 2030	

COMPARISON REOFFERING YIELDS (Massachusetts) - PAGE 2

October 2021

MUNICIPALITY:	Westfield	Easton	Rutland	Attleboro	Belchertown					
BANK QUALIFIED:	Yes	No	Yes	No	Yes					
RATING:	AA	Aa3	AA	AA	AA					
AMOUNT:	\$1,910,000	\$34,645,000	\$6,815,000	\$12,670,000	\$5,345,000					
SALE DATE:	10/13/2021	10/13/2021	10/14/2021	10/18/2021	10/18/2021					
TERM:	19	30	21	30	20					
TIC:	1.7996%	2.3351%	1.7220%	2.3689%	1.5335%					
INSURANCE:	No	No	No	No	No					
TERM BONDS:	Yes	Yes	Yes	Yes	Yes					
TAXABLE:	No	No	No	No	No					
BID:	106.9203	105.1800	107.7611	103.1550	110.2344					
\$ PREMIUM:	\$ 132,178	\$ 1,794,611	\$ 528,919	\$ 399,739	\$ 547,029					
	Reoffering	Reoffering	Reoffering	Reoffering	Reoffering					
	Coupon	Yield	Coupon	Yield	Coupon	Yield	Coupon	Yield	Coupon	Yield
2022	4.000%	0.250%	5.000%	0.200%	5.000%	0.250%	5.000%	0.140%	5.000%	0.200%
2023	4.000%	0.300%	5.000%	0.250%	5.000%	0.300%	5.000%	0.200%	5.000%	0.260%
2024	4.000%	0.400%	5.000%	0.300%	5.000%	0.350%	5.000%	0.280%	5.000%	0.380%
2025	4.000%	0.520%	5.000%	0.450%	5.000%	0.450%	5.000%	0.410%	5.000%	0.480%
2026	4.000%	0.650%	5.000%	0.610%	5.000%	0.600%	5.000%	0.550%	5.000%	0.570%
2027	4.000%	0.830%	5.000%	0.790%	5.000%	0.770%	5.000%	0.750%	5.000%	0.750%
2028	4.000%	1.000%	5.000%	0.970%	5.000%	0.950%	5.000%	0.900%	5.000%	0.950%
2029	4.000%	1.150%	5.000%	1.100%	5.000%	1.100%	5.000%	1.050%	5.000%	1.090%
2030			5.000%	1.220%	3.000%	1.200%	4.000%	1.160%	2.000%	1.250%
2031			4.000%	1.300%	2.000%	1.350%	4.000%	1.260%	2.000%	1.350%
2032			4.000%	1.370%	2.000%	1.450%	3.000%	1.450%	2.000%	1.450%
2033	2.000%	1.450%	3.000%	1.670%			3.000%	1.550%	2.000%	1.500%
2034			3.000%	1.700%			2.000%	2.000%	2.000%	1.550%
2035			3.000%	1.750%			2.000%	2.050%		
2036	2.000%	1.750%	2.000%	2.100%			2.000%	2.100%		
2037			2.000%	2.150%			2.000%	2.150%		
2038			2.125%	2.200%	2.000%	1.750%	2.125%	2.200%	2.000%	1.650%
2039			2.250%	2.250%			2.125%	2.250%		
2040	2.250%	2.100%	2.250%	2.300%	2.050%	2.050%	2.250%	2.300%		
2041			2.250%	2.350%			2.250%	2.350%	2.100%	2.100%
2042					2.150%	2.150%				
2043							2.375%	2.434%		
2044										
2045										
2046			2.500%	2.550%			2.500%	2.527%		
2047										
2048										
2049										
2050										
2051			2.500%	2.600%			2.500%	2.596%		
	Callable Oct. 15, 2029		Callable Oct. 15, 2030		Callable April 15, 2029		Callable Nov. 1, 2029		Callable Oct. 15, 2029	

COMPARISON REOFFERING YIELDS (Massachusetts) - PAGE 3

October 2021

MUNICIPALITY:	Boxford	Auburn	Brewster	Great Barrington	Braintree					
BANK QUALIFIED:	Yes	Yes	No	Yes	No					
RATING:	AAA	AA+	AAA	AAA	AA+					
AMOUNT:	\$6,960,000	\$5,365,000	\$19,810,000	\$2,820,000	\$2,325,000					
SALE DATE:	10/20/2021	10/21/2021	10/27/2021	10/27/2021	10/28/2021					
TERM:	20	10	30	20	9					
TIC:	1.5732%	0.9999%	2.7512%	1.2357%	0.8185%					
INSURANCE:	No	No	No	No	No					
TERM BONDS:	Yes	No	Yes	Yes	No					
TAXABLE:	No	No	Yes	No	No					
BID:	107.6562	114.4100	101.3464	110.4539	116.0118					
\$ PREMIUM:	\$ 532,872	\$ 773,096	\$ 266,722	\$ 294,800	\$ 372,274					
	Reoffering	Reoffering	Reoffering	Reoffering	Reoffering					
	Coupon	Yield	Coupon	Yield	Coupon	Yield	Coupon	Yield	Coupon	Yield
2022	5.000%	0.180%	5.000%	0.180%	5.000%	0.250%	5.000%	0.160%	5.000%	0.160%
2023	5.000%	0.230%	5.000%	0.300%	5.000%	0.600%	5.000%	0.280%	5.000%	0.260%
2024	5.000%	0.280%	5.000%	0.450%	5.000%	0.900%	5.000%	0.420%	5.000%	0.350%
2025	5.000%	0.370%	5.000%	0.500%	5.000%	1.150%	5.000%	0.570%	5.000%	0.500%
2026	5.000%	0.530%	5.000%	0.610%	5.000%	1.350%	5.000%	0.680%	5.000%	0.660%
2027	4.000%	0.720%	5.000%	0.800%	5.000%	1.550%	5.000%	0.850%	5.000%	0.810%
2028	3.000%	0.870%	5.000%	1.000%	5.000%	1.700%	2.000%	0.950%	5.000%	0.970%
2029	3.000%	1.010%	3.000%	1.100%	5.000%	1.800%	2.000%	1.090%	5.000%	1.110%
2030	3.000%	1.150%	2.000%	1.200%	2.000%	1.900%	3.000%	1.150%	5.000%	1.180%
2031	2.000%	1.300%	2.000%	1.400%	2.000%	2.000%				
2032	2.000%	1.400%			2.100%	2.100%				
2033	2.000%	1.450%			2.200%	2.200%				
2034	2.000%	1.500%			2.300%	2.300%				
2035					2.400%	2.400%				
2036					2.500%	2.500%				
2037					2.550%	2.550%	2.000%	1.500%		
2038	2.000%	1.600%			2.600%	2.600%				
2039	2.000%	1.900%			2.650%	2.650%				
2040	2.000%	2.000%			2.700%	2.700%				
2041	2.000%	2.050%			2.750%	2.750%	2.000%	2.100%		
2042										
2043					2.800%	2.800%				
2044										
2045										
2046					2.850%	2.850%				
2047										
2048										
2049										
2050										
2051					2.900%	2.900%				
	Callable Sept. 1, 2030		Callable Nov. 1, 2029		Callable Nov. 1, 2029		Callable Nov. 15, 2030		Non-callable	

COMPARISON REOFFERING YIELDS (Connecticut and Maine) - PAGE 4

October 2021

MUNICIPALITY:	Brookfield Ser A, CT		Brookfield Ser B, CT		Milford Ser A, CT		Milford Ser B, CT		North Haven, CT	
BANK QUALIFIED:	No		No		No		No		No	
RATING:	AAA		AAA		AA+		AA+		AAA	
AMOUNT:	\$38,245,000		\$5,720,000		\$25,700,000		\$3,715,000		\$5,700,000	
SALE DATE:	10/5/2021		10/5/2021		10/19/2021		10/19/2021		10/20/2021	
TERM:	18		13		20		10		18	
TIC:	1.8434%		1.2369%		1.8648%		1.1638%		1.9334%	
INSURANCE:	No		No		No		No		No	
TERM BONDS:	No		No		No		Yes		No	
TAXABLE:	No		No		No		No		No	
BID:	103.7939		107.5892		106.9788		128.1161		104.1898	
\$ PREMIUM:	\$	1,450,977	\$	434,102	\$	1,793,552	\$	1,044,513	\$	238,819
		Reoffering		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>	<u>Coupon</u>	<u>Yield</u>
2022			3.000%	0.200%						
2022			3.000%	0.200%	5.000%	0.130%	5.000%	0.160%		
2023			3.000%	0.220%	5.000%	0.200%				
2024	4.000%	0.250%	3.000%	0.260%	5.000%	0.300%			5.000%	0.290%
2025	4.000%	0.390%	3.000%	0.400%	5.000%	0.460%			5.000%	0.430%
2026	4.000%	0.530%	3.000%	0.540%	5.000%	0.570%			5.000%	0.590%
2027	4.000%	0.730%	3.000%	0.750%	5.000%	0.770%	5.000%	0.790%	5.000%	0.800%
2028	4.000%	0.870%	3.000%	0.880%	5.000%	0.920%	5.000%	0.980%	3.000%	1.050%
2029	2.000%	1.230%	3.000%	1.030%	3.000%	1.100%	5.000%	1.140%	2.000%	1.300%
2030	2.000%	1.410%	2.000%	1.350%	3.000%	1.250%	5.000%	1.250%	2.000%	1.430%
2031	2.000%	1.590%	2.000%	1.450%	3.000%	1.350%	5.000%	1.320%	2.000%	1.600%
2032	2.000%	1.650%	2.000%	1.550%	2.000%	1.600%			2.000%	1.700%
2033	2.000%	1.750%	2.000%	1.650%	2.000%	1.700%			2.000%	1.800%
2034	2.000%	1.850%			2.000%	1.800%			2.000%	1.900%
2035	2.000%	1.950%			2.000%	1.900%			2.125%	2.000%
2036	2.000%	1.950%			2.000%	2.000%			2.000%	2.040%
2037	2.000%	2.000%			2.000%	2.100%			2.000%	2.090%
2038	2.000%	2.040%			2.000%	2.150%			2.000%	2.140%
2039	2.000%	2.080%			2.125%	2.200%			2.125%	2.200%
2040	2.000%	2.120%			2.250%	2.250%			2.125%	2.230%
2041	2.000%	2.150%			2.250%	2.300%			2.250%	2.280%
	Callable Oct. 15, 2028		Callable Nov. 15, 2028		Callable Nov. 1, 2028		Non-callable		Callable Nov. 1, 2027	