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# **Warren County School District**

## ***Financing Discussion***

October 28, 2013

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Albany, Ann Arbor, Arlington, Atlanta, Austin, Boston, Charlotte, Chattanooga, Chicago, Cleveland, Denver, Des Moines, Fargo, Harrisburg, Huntsville, Lafayette, Long Island, Los Angeles, Malvern, Memphis, Miami, Milwaukee, Minneapolis, New York, Orlando, Philadelphia, Phoenix, Princeton, Rhode Island, Richmond, San Francisco, Seattle, St. Louis, Tampa



# MUNICIPAL MARKET UPDATE

October 25, 2013

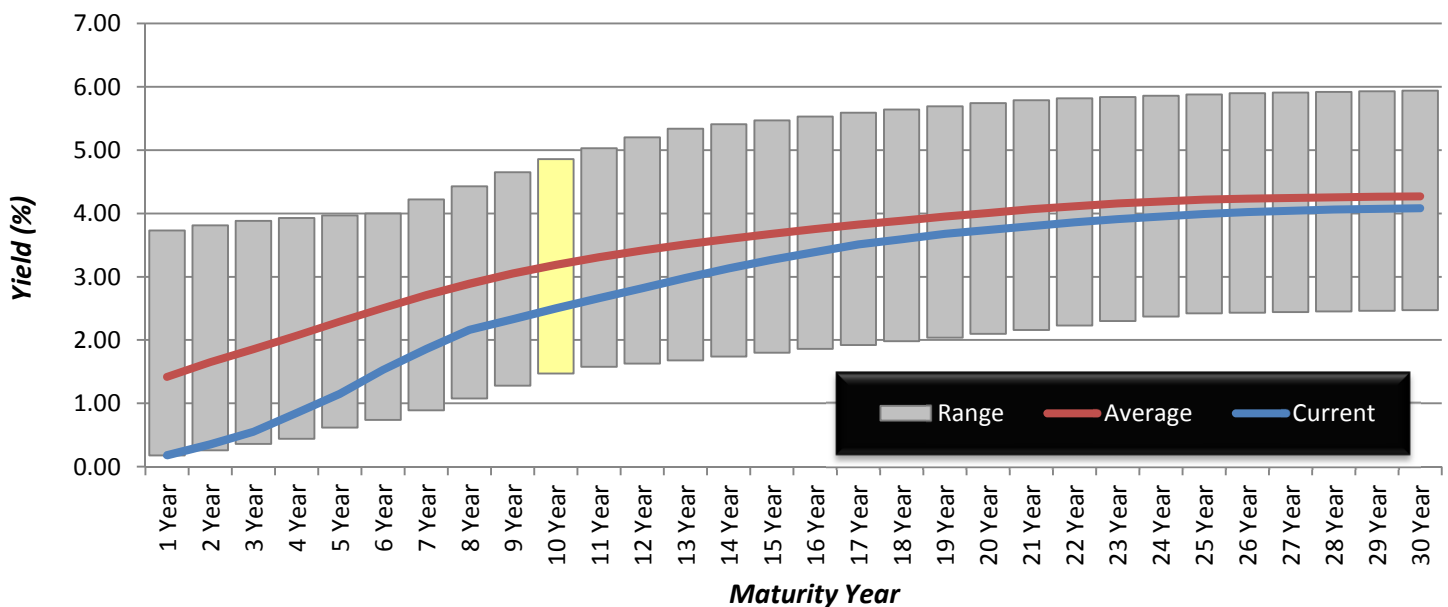


## MMD YIELD CURVE

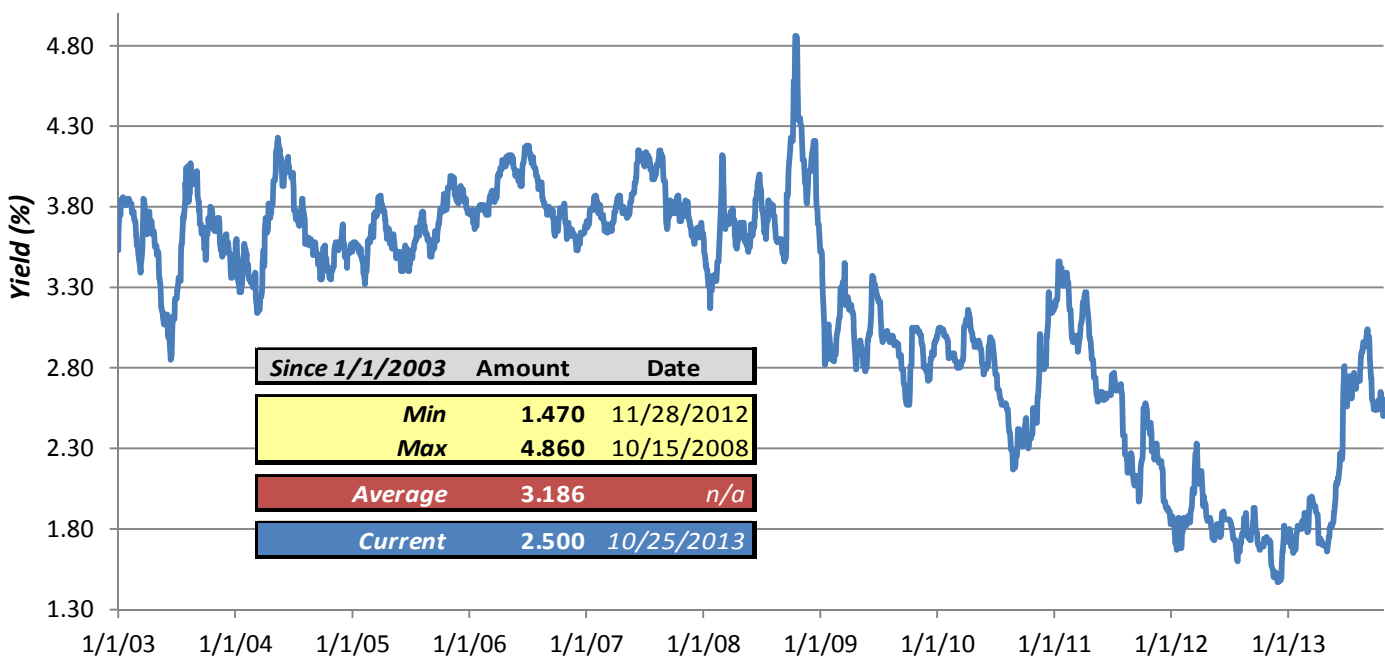
The MMD Yield Curve is a high grade municipal yield curve published daily by Municipal Market Data. It is one of the most commonly used benchmarks in municipal finance. The yields within the curve reflect the current yields for each maturity year at which bondholders would likely to sell high quality (AAA rated) general obligation backed bonds. The yield curve is typically influenced by new issuances in the primary market as well as post-issuance trading in the secondary market.

Municipal bonds typically trade at a "spread to MMD", meaning the difference between the yield in a specific year of a bond issue and the respective yield in the MMD Yield Curve. While these spreads vary over time, they can be a meaningful and powerful tool in trying to compare relative yield levels in a volatile interest rate environment.

## HISTORICAL MMD CURVE ILLUSTRATION - SINCE JANUARY 1, 2003



## SPOT ANALYSIS - 10 YEAR MMD - SINCE JANUARY 1, 2003



**WARREN COUNTY SCHOOL DISTRICT**

SERIES OF 2014

NEW MONEY

 Settled 1/9/2014  
 Dated 1/9/2014

1	2	3	4	5	6	7	8	9	10	11
<u>Date</u>	<u>Principal</u>	<u>Rate</u>	<u>Interest</u>	<u>Semi-Annual Debt Service</u>	<u>Proposed Fiscal Year Debt Service</u>	<u>Less: State Aid</u>	<u>Proposed Local Effort</u>	<u>Existing Local Effort</u>	<u>Total Local Effort</u>	<u>Millage Equivalent</u>
5/15/2014			70,156.28	70,156.28	70,156.28	(9,890.60)	60,265.68	2,796,071.75	2,856,337.42	0.14
11/15/2014	5,000	1.580	100,223.25	105,223.25						
5/15/2015			100,183.75	100,183.75	205,407.00	(28,958.18)	176,448.82	2,582,096.31	2,758,545.13	
11/15/2015	5,000	1.680	100,183.75	105,183.75						
5/15/2016			100,141.75	100,141.75	205,325.50	(28,946.69)	176,378.81	2,544,868.01	2,721,246.82	
11/15/2016	5,000	1.850	100,141.75	105,141.75						
5/15/2017			100,095.50	100,095.50	205,237.25	(28,934.25)	176,303.00	2,539,928.31	2,716,231.31	
11/15/2017	5,000	2.050	100,095.50	105,095.50						
5/15/2018			100,044.25	100,044.25	205,139.75	(28,920.50)	176,219.25	2,541,336.18	2,717,555.43	
11/15/2018	5,000	2.350	100,044.25	105,044.25						
5/15/2019			99,985.50	99,985.50	205,029.75	(28,905.00)	176,124.75	2,570,076.98	2,746,201.74	
11/15/2019	5,000	2.650	99,985.50	104,985.50						
5/15/2020			99,919.25	99,919.25	204,904.75	(28,887.37)	176,017.38	2,572,954.57	2,748,971.95	
11/15/2020	5,000	3.030	99,919.25	104,919.25						
5/15/2021			99,843.50	99,843.50	204,762.75	(28,867.35)	175,895.40	2,589,891.75	2,765,787.15	
11/15/2021	5,000	3.360	99,843.50	104,843.50						
5/15/2022			99,759.50	99,759.50	204,603.00	(28,844.83)	175,758.17	2,567,807.15	2,743,565.32	
11/15/2022	5,000	3.660	99,759.50	104,759.50						
5/15/2023			99,668.00	99,668.00	204,427.50	(28,820.09)	175,607.41	2,547,805.20	2,723,412.61	
11/15/2023	5,000	3.830	99,668.00	104,668.00						
5/15/2024			99,572.25	99,572.25	204,240.25	(28,793.69)	175,446.56	2,526,033.63	2,701,480.18	
11/15/2024	5,000	4.000	99,572.25	104,572.25						
5/15/2025			99,472.25	99,472.25	204,044.50	(28,766.10)	175,278.40	2,503,890.50	2,679,168.90	
11/15/2025	5,000	4.160	99,472.25	104,472.25						
5/15/2026			99,368.25	99,368.25	203,840.50	(28,737.34)	175,103.16	2,466,704.79	2,641,807.95	
11/15/2026	495,000	4.320	99,368.25	594,368.25						
5/15/2027			88,676.25	88,676.25	683,044.50	(96,295.29)	586,749.21	1,922,810.30	2,509,559.52	
11/15/2027	575,000	4.480	88,676.25	663,676.25						
5/15/2028			75,796.25	75,796.25	739,472.50	(104,250.48)	635,222.02	1,857,047.45	2,492,269.47	
11/15/2028	645,000	4.630	75,796.25	720,796.25						
5/15/2029			60,864.50	60,864.50	781,660.75	(110,198.16)	671,462.59	1,791,284.60	2,462,747.20	
11/15/2029	745,000	4.770	60,864.50	805,864.50						
5/15/2030			43,096.25	43,096.25	848,960.75	(119,686.08)	729,274.67	1,722,147.57	2,451,422.24	
11/15/2030	575,000	4.890	43,096.25	618,096.25						
5/15/2031			29,037.50	29,037.50	647,133.75	(91,232.61)	555,901.14	1,238,828.40	1,794,729.55	
11/15/2031	575,000	5.010	29,037.50	604,037.50						
5/15/2032			14,633.75	14,633.75	618,671.25	(87,219.98)	531,451.27	1,189,751.35	1,721,202.63	
11/15/2032	575,000	5.090	14,633.75	589,633.75						
5/15/2033					589,633.75	(83,126.28)	506,507.47	1,137,039.11	1,643,546.58	
11/15/2033										
5/15/2034								1,084,121.83	1,084,121.83	
11/15/2034										
TOTALS	4,245,000		3,190,696.03	7,435,696.03	7,435,696.03	(1,048,280.86)	6,387,415.17	45,292,495.74	51,679,910.91	0.14
PE%=	19.36%	Estimated								
AR%=	72.82%									
1 MILL=	420,000	Estimated								