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Warren County School District

Parameters Bond Sale Document

November 11, 2013

Prepared by:

Jamie Doyle
Director

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

November 7, 2013

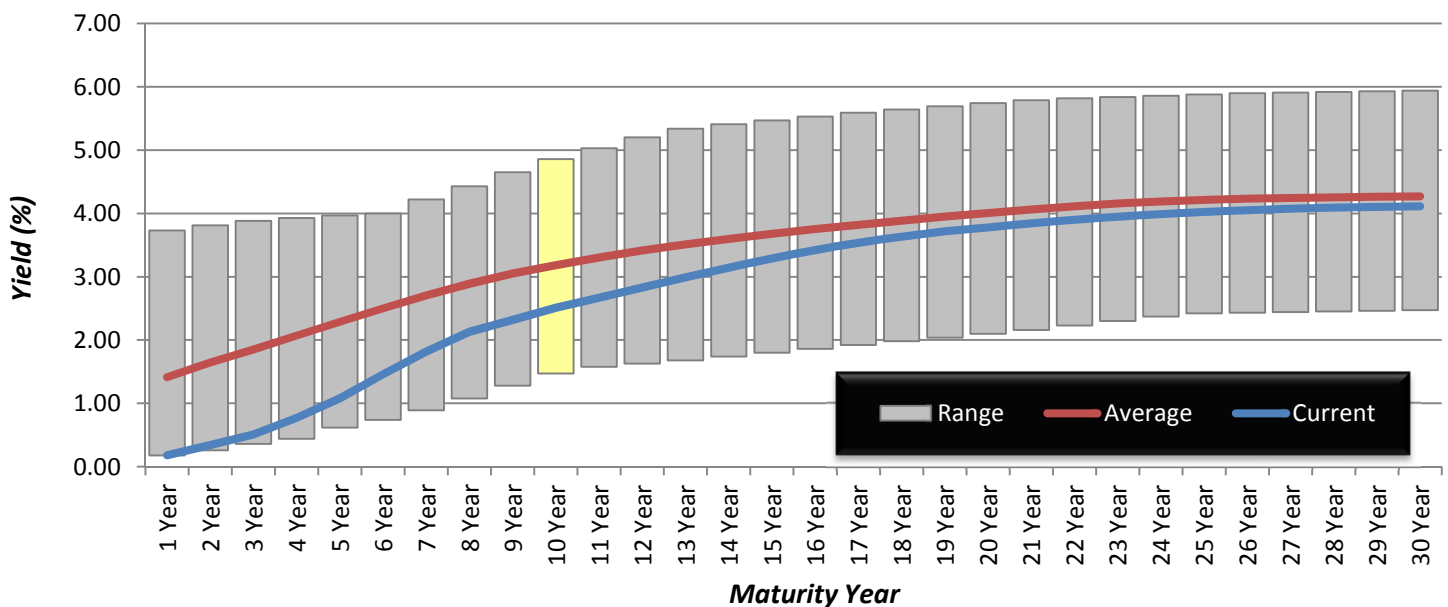


MMD YIELD CURVE

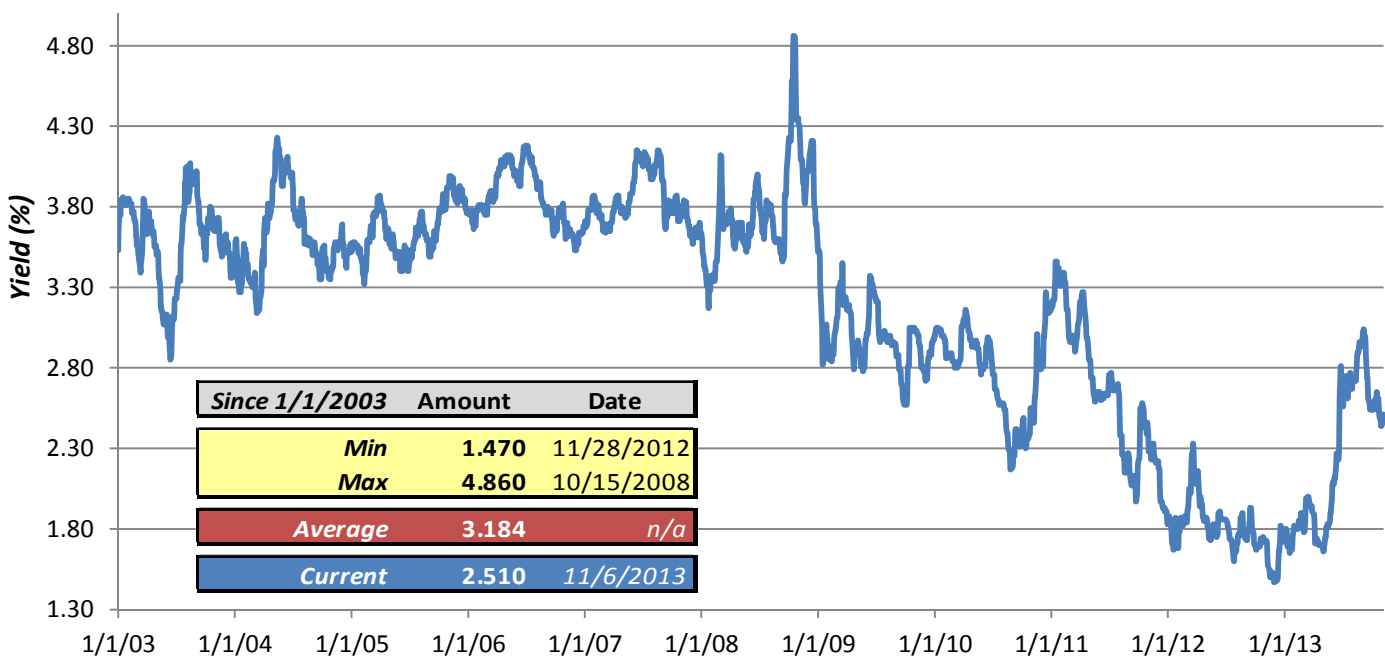
The MMD Yield Curve is a high grade municipal yield curve published daily by Municipal Market Data. It is one of the most commonly used benchmarks in municipal finance. The yields within the curve reflect the current yields for each maturity year at which bondholders would likely to sell high quality (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
SUMMARY OF OUTSTANDING INDEBTEDNESS

Debt Service Requirements

1 Fiscal Year Ended	2 G.O. Bonds Series of 2008	3 G.O. Bonds Series of 2010	4 QZAB Series of 2011 (1)	5 QZAB Series of 2012(2)	6 G.O. Bonds Series of 2013	7 G.O. Bonds Series A of 2013	8 Total Debt Service
6/30/2014	1,725,450	1,467,156	71,072	74,846	358,922	40,407	3,737,853
6/30/2015		1,472,056	804,765	5,000	295,980	884,550	3,462,351
6/30/2016		1,223,906	994,300	40,000	295,905	868,350	3,422,461
6/30/2017		1,232,706	984,100	40,000	295,830	862,875	3,415,511
6/30/2018		1,230,322	988,700	40,000	295,755	862,750	3,417,527
6/30/2019		1,230,388	1,777,800	180,000	295,680		3,483,868
6/30/2020		723,753	1,315,700	1,215,000	295,583		3,550,036
6/30/2021		716,550	762,100	1,825,000	295,463		3,599,113
6/30/2022		717,706	789,000	1,764,254	295,343		3,566,302
6/30/2023		722,381	720,000	1,802,781	295,223		3,540,384
6/30/2024		716,016	702,000	1,797,494	295,103		3,510,612
6/30/2025			684,000	2,559,846	294,983		3,538,828
6/30/2026			666,000	2,016,867	792,273		3,475,140
6/30/2027			648,000	639,871	1,397,523		2,685,394
6/30/2028			630,000	599,733	1,363,323		2,593,056
6/30/2029			612,000	559,595	1,329,123		2,500,718
6/30/2030			594,000	514,639	1,294,923		2,403,561
6/30/2031				479,501	1,260,723		1,740,223
6/30/2032				439,363	1,231,448		1,670,810
6/30/2033				399,225	1,197,098		1,596,322
6/30/2034				359,087	1,162,461		1,521,548
6/30/2035							
6/30/2036							
TOTAL	1,725,450	11,452,941	13,743,537	17,352,100	14,638,658	3,518,932	62,431,617

Local Effort Requirements

9 Fiscal Year Ended	10 G.O. Bonds Series of 2008	11 G.O. Bonds Series of 2010	12 QZAB Series of 2011 (1)	13 QZAB Series of 2012(2)	14 G.O. Bonds Series of 2013	15 G.O. Bonds Series A of 2013	16 Total Local Effort
6/30/2014	1,292,218	1,112,133	51,954	52,413	257,093	30,261	2,796,072
6/30/2015		1,115,847	588,285	3,501	212,008	662,454	2,582,096
6/30/2016		927,744	726,836	28,011	211,955	650,322	2,544,868
6/30/2017		934,415	719,380	28,011	211,901	646,221	2,539,928
6/30/2018		932,608	722,743	28,011	211,847	646,128	2,541,336
6/30/2019		932,657	1,299,577	126,049	211,794		2,570,077
6/30/2020		548,619	961,781	850,832	211,724		2,572,955
6/30/2021		543,159	557,097	1,277,998	211,638		2,589,892
6/30/2022		544,035	576,761	1,235,459	211,552		2,567,807
6/30/2023		547,579	526,322	1,262,438	211,466		2,547,805
6/30/2024		542,754	513,164	1,258,736	211,380		2,526,034
6/30/2025			500,006	1,792,591	211,294		2,503,891
6/30/2026			486,848	1,412,357	567,499		2,466,705
6/30/2027			473,690	448,084	1,001,036		1,922,810
6/30/2028			460,532	419,977	976,539		1,857,047
6/30/2029			447,374	391,869	952,042		1,791,285
6/30/2030			434,216	360,388	927,544		1,722,148
6/30/2031				335,781	903,047		1,238,828
6/30/2032				307,674	882,078		1,189,751
6/30/2033				279,566	857,473		1,137,039
6/30/2034				251,459	832,663		1,084,122
6/30/2035							
6/30/2036							
TOTAL	1,292,218	8,681,548	10,046,566	12,151,205	10,485,572	2,635,386	45,292,496

Principal *: 0 8,945,000 16,200,000 23,180,000 9,700,000 3,295,000 61,320,000

PE%: 34.48% 33.23% 36.94% 41.16% 38.96% 34.48%
PE% Status: Temporary Temporary Estimated Estimated Estimated Temporary
CARF%: 72.82% 72.82% 72.82% 72.82% 72.82% 72.82%
Call Date: 9/1/2013 10/1/2015 Non-Callable Non-Callable 5/15/2018 Non-Callable
Purpose: Cur Ref 01 & 02 Cur Ref 03 & 04 New Money New Money New Money Cur Ref 08



* Outstanding as of November 7, 2013

(1) QZAB debt service is net of Fed. Reimbursement Subsidy 5.138% & est. sinking fund earnings of 2.00%

(1A) Assumes Fed. Reimbursement Subsidy for 9/1/13 payments reduced by 8.70% (\$36,207.49 per payment)

(1B) Assumes Fed. Reimbursement Subsidy for 3/1/14 & 9/1/14 payments reduced by 7.20% (\$29,964.82 per payment)

(2) QZAB debt service is net of Fed. Reimbursement Subsidy 4.185% & sinking fund earnings of 3.14%

(1A) Assumes Fed. Reimbursement Subsidy for 11/1/13 & 5/1/14 payments reduced by 7.20% (\$34,922.99 per payment)

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
Date	Principal	Rate	Interest	Semi-Annual Debt Service	Proposed Fiscal Year Debt Service	Less: State Aid	Proposed Local Effort	Existing Local Effort	Total Local Effort	Millage Equivalent
5/15/2014			169,835.75	169,835.75	169,835.75	(10,169.04)	159,666.71	2,796,071.75	2,955,738.45	0.38
11/15/2014			242,622.50	242,622.50						
5/15/2015			242,622.50	242,622.50	485,245.00	(29,054.41)	456,190.59	2,582,096.31	3,038,286.90	0.20
11/15/2015	5,000	1.680	242,622.50	247,622.50						
5/15/2016			242,580.50	242,580.50	490,203.00	(29,351.27)	460,851.73	2,544,868.01	3,005,719.74	
11/15/2016	5,000	1.850	242,580.50	247,580.50						
5/15/2017			242,534.25	242,534.25	490,114.75	(29,345.99)	460,768.76	2,539,928.31	3,000,697.07	
11/15/2017	5,000	2.050	242,534.25	247,534.25						
5/15/2018			242,483.00	242,483.00	490,017.25	(29,340.15)	460,677.10	2,541,336.18	3,002,013.28	
11/15/2018	5,000	2.350	242,483.00	247,483.00						
5/15/2019			242,424.25	242,424.25	489,907.25	(29,333.56)	460,573.69	2,570,076.98	3,030,650.67	
11/15/2019	5,000	2.650	242,424.25	247,424.25						
5/15/2020			242,358.00	242,358.00	489,782.25	(29,326.08)	460,456.17	2,572,954.57	3,033,410.74	
11/15/2020	5,000	3.030	242,358.00	247,358.00						
5/15/2021			242,282.25	242,282.25	489,640.25	(29,317.57)	460,322.68	2,589,891.75	3,050,214.43	
11/15/2021	5,000	3.360	242,282.25	247,282.25						
5/15/2022			242,198.25	242,198.25	489,480.50	(29,308.01)	460,172.49	2,567,807.15	3,027,979.64	
11/15/2022	5,000	3.660	242,198.25	247,198.25						
5/15/2023			242,106.75	242,106.75	489,305.00	(29,297.50)	460,007.50	2,547,805.20	3,007,812.70	
11/15/2023	25,000	3.830	242,106.75	267,106.75						
5/15/2024			241,628.00	241,628.00	508,734.75	(30,460.87)	478,273.88	2,526,033.63	3,004,307.50	
11/15/2024	50,000	4.000	241,628.00	291,628.00						
5/15/2025			240,628.00	240,628.00	532,256.00	(31,869.22)	500,386.78	2,503,890.50	3,004,277.28	
11/15/2025	90,000	4.160	240,628.00	330,628.00						
5/15/2026			238,756.00	238,756.00	569,384.00	(34,092.29)	535,291.71	2,466,704.79	3,001,996.50	
11/15/2026	680,000	4.320	238,756.00	918,756.00						
5/15/2027			224,068.00	224,068.00	1,142,824.00	(68,427.44)	1,074,396.56	1,922,810.30	2,997,206.86	
11/15/2027	785,000	4.480	224,068.00	1,009,068.00						
5/15/2028			206,484.00	206,484.00	1,215,552.00	(72,782.08)	1,142,769.92	1,857,047.45	2,999,817.37	
11/15/2028	895,000	4.630	206,484.00	1,101,484.00						
5/15/2029			185,764.75	185,764.75	1,287,248.75	(77,074.98)	1,210,173.77	1,791,284.60	3,001,458.38	
11/15/2029	1,010,000	4.770	185,764.75	1,195,764.75						
5/15/2030			161,676.25	161,676.25	1,357,441.00	(81,277.79)	1,276,163.21	1,722,147.57	2,998,310.78	
11/15/2030	1,585,000	4.890	161,676.25	1,746,676.25						
5/15/2031			122,923.00	122,923.00	1,869,599.25	(111,943.65)	1,757,655.60	1,238,828.40	2,996,484.01	
11/15/2031	1,720,000	5.010	122,923.00	1,842,923.00						
5/15/2032			79,837.00	79,837.00	1,922,760.00	(115,126.69)	1,807,633.31	1,189,751.35	2,997,384.67	
11/15/2032	1,870,000	5.090	79,837.00	1,949,837.00						
5/15/2033			32,245.50	32,245.50	1,982,082.50	(118,678.66)	1,863,403.84	1,137,039.11	3,000,442.95	
11/15/2033	1,245,000	5.180	32,245.50	1,277,245.50						
5/15/2034			0.00	0.00	1,277,245.50	(76,476.02)	1,200,769.48	1,084,121.83	2,284,891.31	
11/15/2034										
TOTALS	9,995,000		8,243,658.75	18,238,658.75	18,238,658.75	(1,092,053.26)	17,146,605.49	45,292,495.74	62,439,101.23	0.58
PE%=	8.22% Estimated									
AR%=	72.82%									
1 MILL=	420,000 Estimated									

* Assumes approximately \$4,245,000 issued for the clean up of existing projects and approximately \$5,750,000 of high school renovation projects



Maximum Parameters Schedule

WARREN COUNTY SCHOOL DISTRICT
SERIES OF 2014 / SERIES OF 2015
NEW MONEY

MAXIMUM PARAMETERS SCHEDULE

1	2	3	4	5	6
<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>
5/15/2014			535,500.00	535,500.00	535,500.00
11/15/2014	30,000	6.000	765,000.00	795,000.00	
5/15/2015			764,100.00	764,100.00	1,559,100.00
11/15/2015	30,000	6.000	764,100.00	794,100.00	
5/15/2016			763,200.00	763,200.00	1,557,300.00
11/15/2016	30,000	6.000	763,200.00	793,200.00	
5/15/2017			762,300.00	762,300.00	1,555,500.00
11/15/2017	30,000	6.000	762,300.00	792,300.00	
5/15/2018			761,400.00	761,400.00	1,553,700.00
11/15/2018	30,000	6.000	761,400.00	791,400.00	
5/15/2019			760,500.00	760,500.00	1,551,900.00
11/15/2019	30,000	6.000	760,500.00	790,500.00	
5/15/2020			759,600.00	759,600.00	1,550,100.00
11/15/2020	30,000	6.000	759,600.00	789,600.00	
5/15/2021			758,700.00	758,700.00	1,548,300.00
11/15/2021	30,000	6.000	758,700.00	788,700.00	
5/15/2022			757,800.00	757,800.00	1,546,500.00
11/15/2022	30,000	6.000	757,800.00	787,800.00	
5/15/2023			756,900.00	756,900.00	1,544,700.00
11/15/2023	85,000	6.000	756,900.00	841,900.00	
5/15/2024			754,350.00	754,350.00	1,596,250.00
11/15/2024	110,000	6.000	754,350.00	864,350.00	
5/15/2025			751,050.00	751,050.00	1,615,400.00
11/15/2025	150,000	6.000	751,050.00	901,050.00	
5/15/2026			746,550.00	746,550.00	1,647,600.00
11/15/2026	1,165,000	6.000	746,550.00	1,911,550.00	
5/15/2027			711,600.00	711,600.00	2,623,150.00
11/15/2027	1,275,000	6.000	711,600.00	1,986,600.00	
5/15/2028			673,350.00	673,350.00	2,659,950.00
11/15/2028	1,385,000	6.000	673,350.00	2,058,350.00	
5/15/2029			631,800.00	631,800.00	2,690,150.00
11/15/2029	1,510,000	6.000	631,800.00	2,141,800.00	
5/15/2030			586,500.00	586,500.00	2,728,300.00
11/15/2030	2,025,000	6.000	586,500.00	2,611,500.00	
5/15/2031			525,750.00	525,750.00	3,137,250.00
11/15/2031	2,150,000	6.000	525,750.00	2,675,750.00	
5/15/2032			461,250.00	461,250.00	3,137,000.00
11/15/2032	2,290,000	6.000	461,250.00	2,751,250.00	
5/15/2033			392,550.00	392,550.00	3,143,800.00
11/15/2033	2,360,000	6.000	392,550.00	2,752,550.00	
5/15/2034			321,750.00	321,750.00	3,074,300.00
11/15/2034	3,575,000	6.000	321,750.00	3,896,750.00	
5/15/2035			214,500.00	214,500.00	4,111,250.00
11/15/2035	3,740,000	6.000	214,500.00	3,954,500.00	
5/15/2036			102,300.00	102,300.00	4,056,800.00
11/15/2036	3,410,000	6.000	102,300.00	3,512,300.00	
5/15/2037			0.00	0.00	3,512,300.00
11/15/2037					
TOTALS	25,500,000		28,736,100.00	54,236,100.00	54,236,100.00

*** ASSUMES A MAXIMUM INTEREST RATE OF 6.00%**