

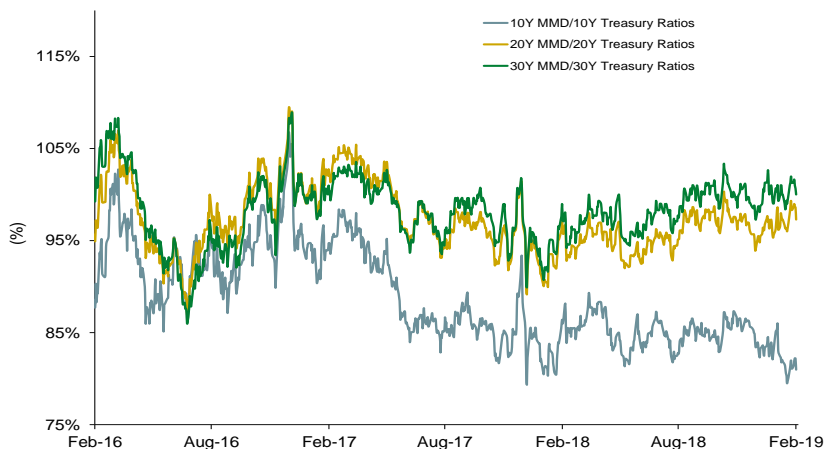
National Market Update – Week of February 4, 2019

Market Update

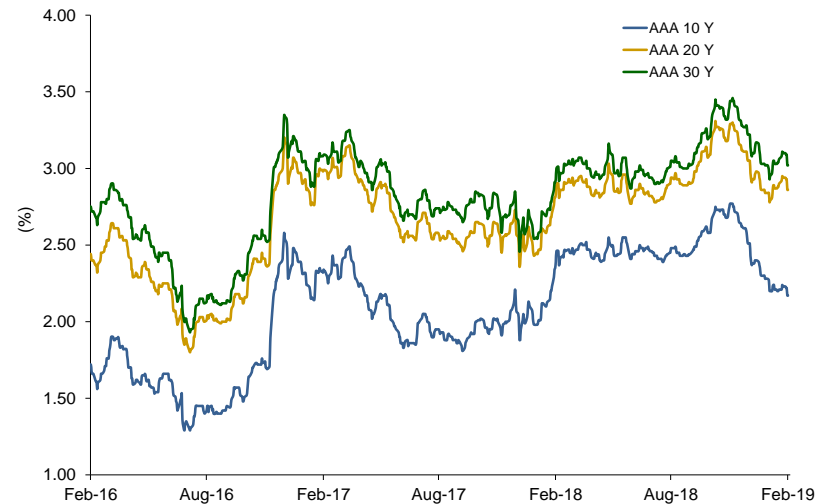
* Commentary for the week of February 4th

- U.S. government bond yields rose Friday, causing bond prices to fall, after economic data in January showed the labor market added 304,000 jobs, average hourly earnings rose 3.2% from the year before, and manufacturing picked up growth.
- The U.S. central bank noted last week that they would adopt a “patient” approach to setting interest rate policy, a shift away from its policy of raising rates, where signs of a cautious Federal Reserve is pointing toward economic growth. The current Federal Funds target range is 2.25%-2.50%.
- On Friday the 10-year and 30-year Treasury yield rose five and three basis points to 2.69% and 3.03%, respectively, from Thursday’s close. Furthermore, the 10-year and 30-year AAA MMD yield remained unchanged at 2.17% and 3.02%, respectively, from Thursday’s close.
- Municipal volume for this week is estimated to be \$7.2 billion, up from the revised total of \$3.8 billion of the previous week. The primary municipal calendar is comprised of \$5.6 billion of negotiated deals and \$1.6 billion in competitive sales.

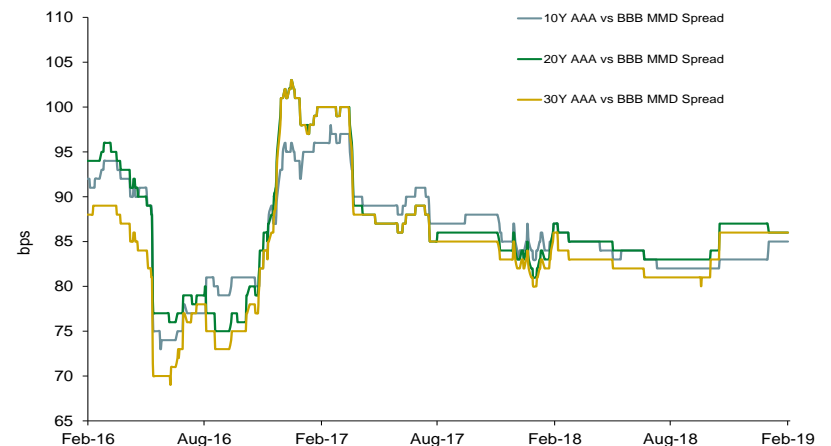
MMD to Treasury Ratios



MMD Rates



AAA MMD to BBB MMD Spreads



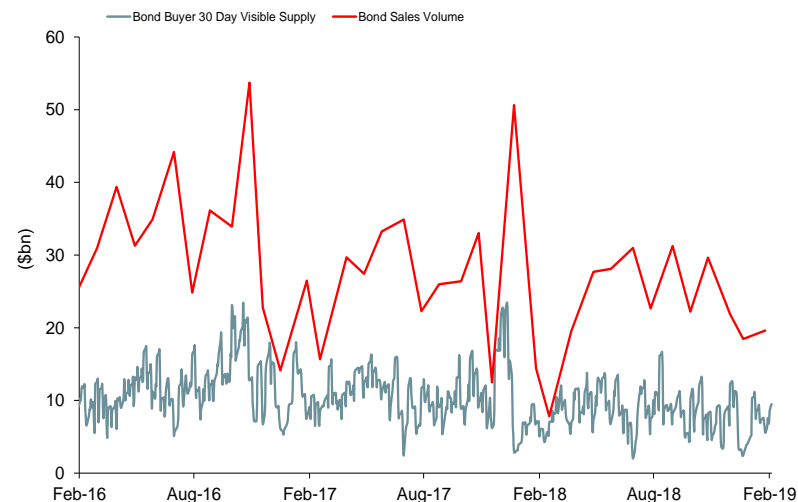
Source: * Bond Buyer
Municipal Market Data
Thomson Reuters TM3

Market Update

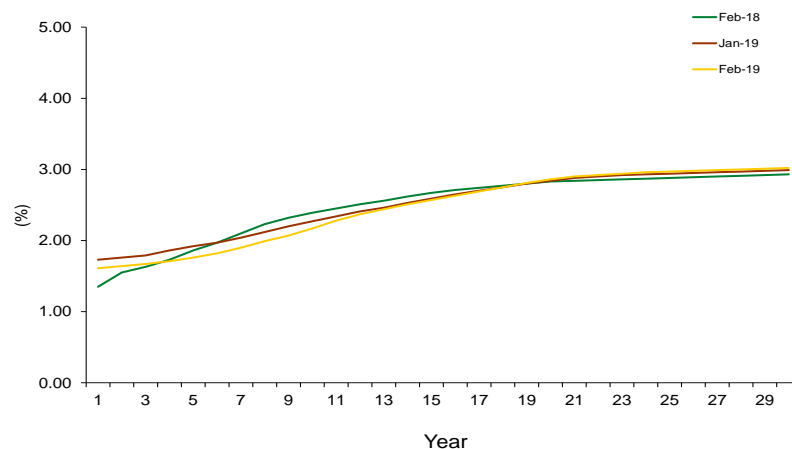
Calendar Week of February 4th

Issue Description	Sale (week of)	Par Amount (\$000)	Ratings*		
			Moody's	S&P	Fitch
State of HI - G.O. Bds of 2019, Ser. FW, FX (Taxable), and FY (Taxable)	2/4	\$ 550,000	Aa1	AA+	AA
L.A. Co. MTA, CA - Proposition C Sales Tax Rev Bds, Ser. 2019 A and B	2/4	\$ 545,000	Aa2	AAA	AA+
MA Dev Agency - Rev Bds, Wellforce Issue, Ser. 2019 A and B	2/4	\$ 415,000	NR	AA	BBB+
Board of Trustees of MI State Univ. - Gen Rev Bds, Ser. 2019A (Taxable)	2/4	\$ 325,000	Aa2	AA	NR
MA Port Auth - Rev Bds, Ser. 2019 A	2/4	\$ 325,000	Aa2	AA	AA
Board of Trustees of MI State Univ. - Gen Rev Bds, Ser. 2019B	2/4	\$ 300,000	Aa2	AA	NR
City of Riverside, CA - Ref Elect Rev Bds, Issue of 2019A	2/4	\$ 291,470	NR	AA-	AA-
CA Muni Fin Auth - Rev Bds, Ser. 2019 A and B	2/4	\$ 182,000	A3	NR	NR
TX Dep of Hsng and Community Affairs - Res Mtg Rev Bds, Ser. 2019A	2/4	\$ 166,340	Aaa	AA+	NR
CA Infra and Eco Dev Bank - VR Ref Rev Bds, Ser. 2013A	2/4	\$ 163,000	Aaa	AAA	NR
National Top 10 Total Negotiated Supply		\$ 3,380,130			
National Total Negotiated Weekly Supply		\$ 5,588,800			
	Thru 2/8/2019	Thru 2/9/2018	Thru 2/10/2017	Thru 2/12/2016	
Total National Supply YTD	\$31,292,500	\$24,434,600	\$43,844,400	\$40,875,100	

Bond Buyer 30-Day Visible Supply**



AAA MMD yield curve***

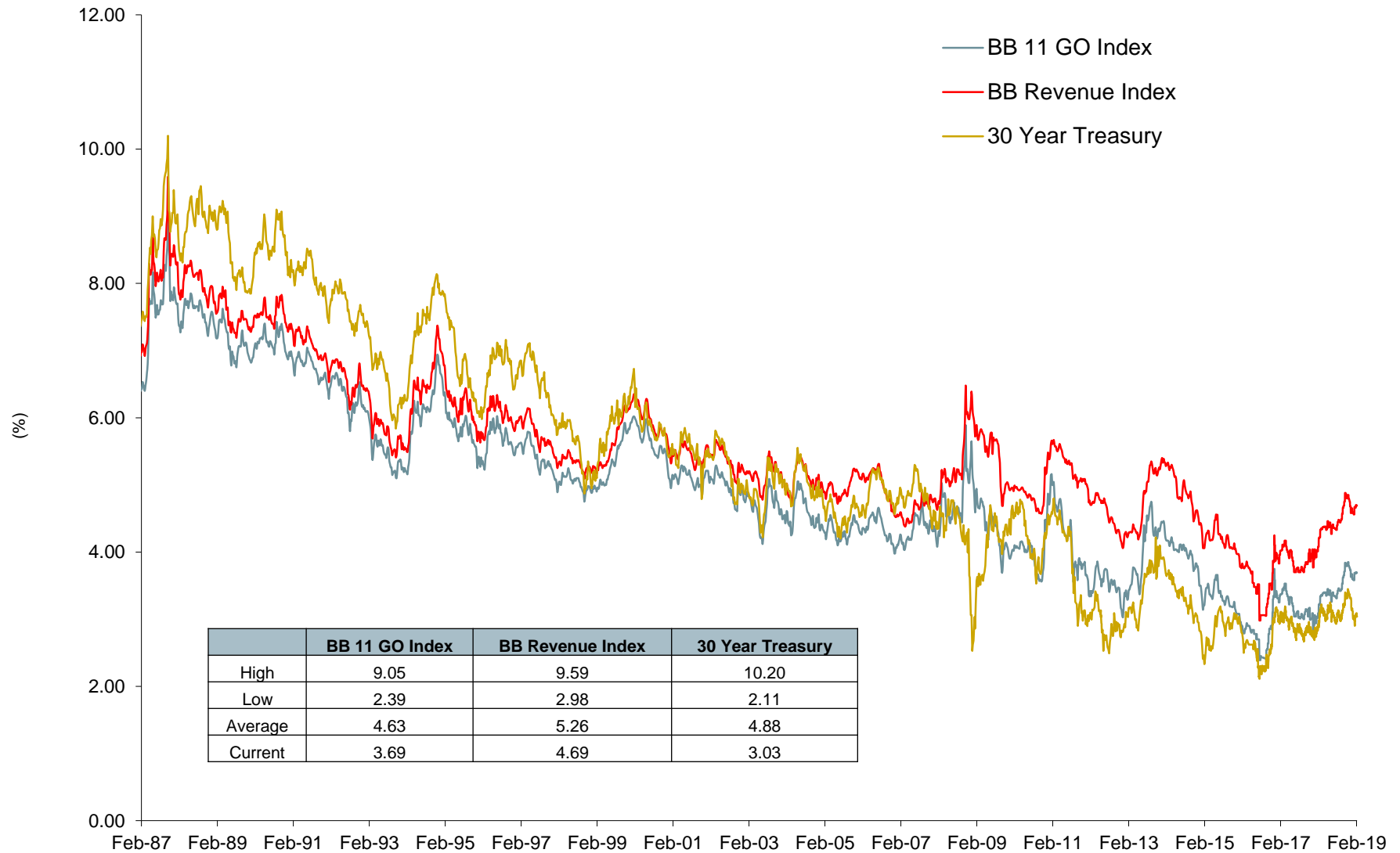


*Rating reflects underlying or insured rating, as appropriate

**Source: Bond Buyer

***Source: Municipal Market Data

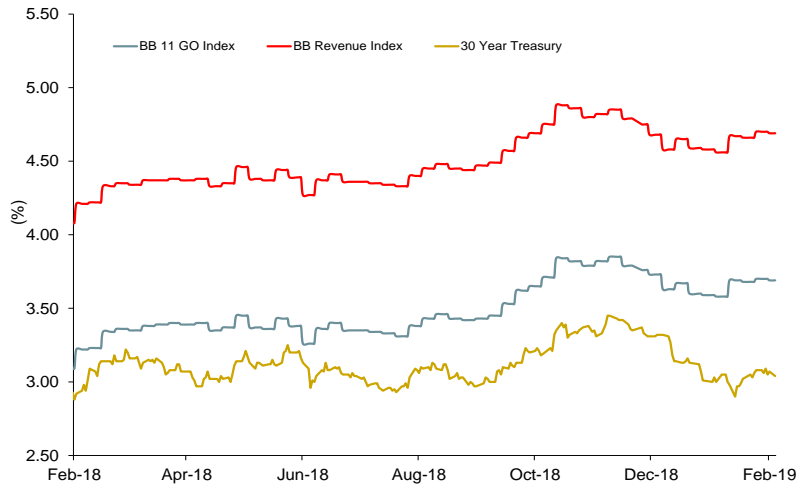
Bond Buyer Indices vs. 30 Year Treasury: 30 Year History



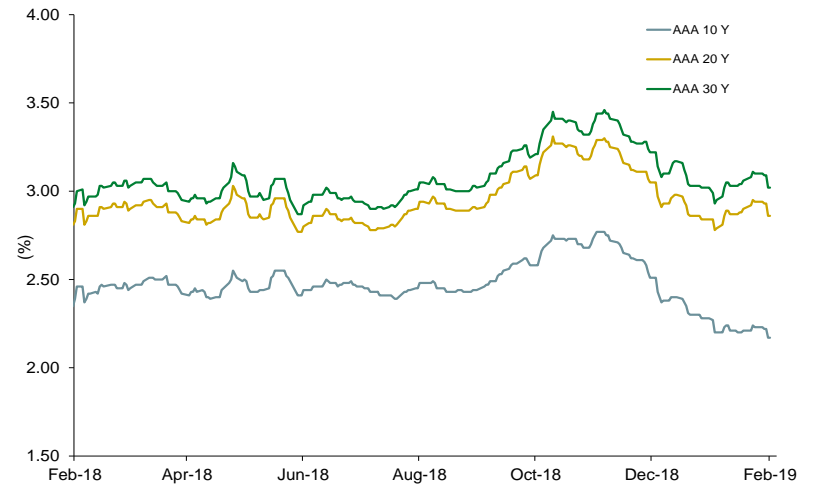
Source: Bond Buyer

Tax-Exempt and Treasury Spreads: 1 Year History

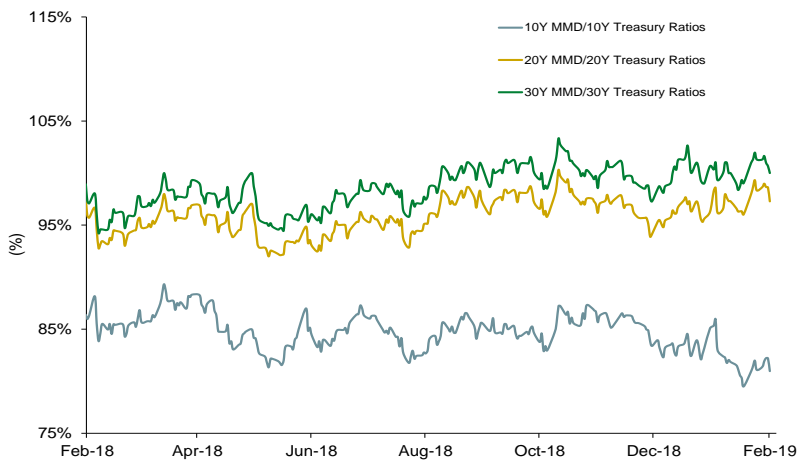
Bond Buyer Indices vs. 30 Year Treasury



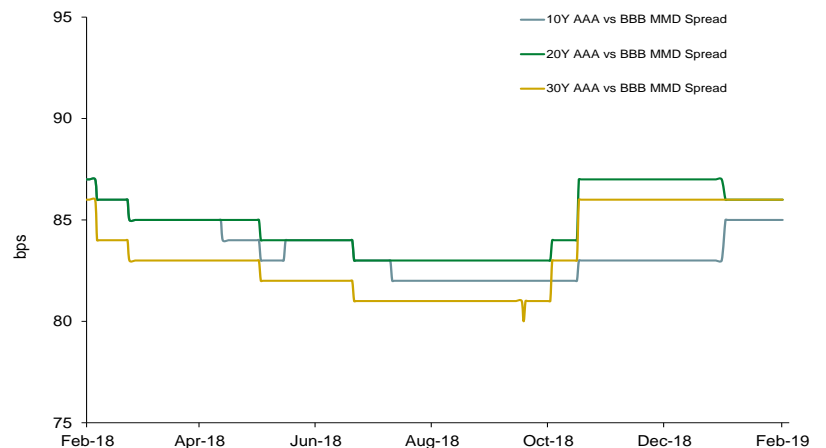
MMD Rates



MMD to Treasury Ratios



AAA MMD to BBB MMD Spreads



Source: Municipal Market Data
Thomson Reuters TM3
Bond Buyer

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