South San Antonio Independent School District

Texas ISD Bond Elections Results, Preliminary Bond Election Timetable, Refunding Results and Bond Capacity, and Current Market Review

November 21, 2024

STRICTLY PRIVATE AND CONFIDENTIAL





Richard Acosta Director

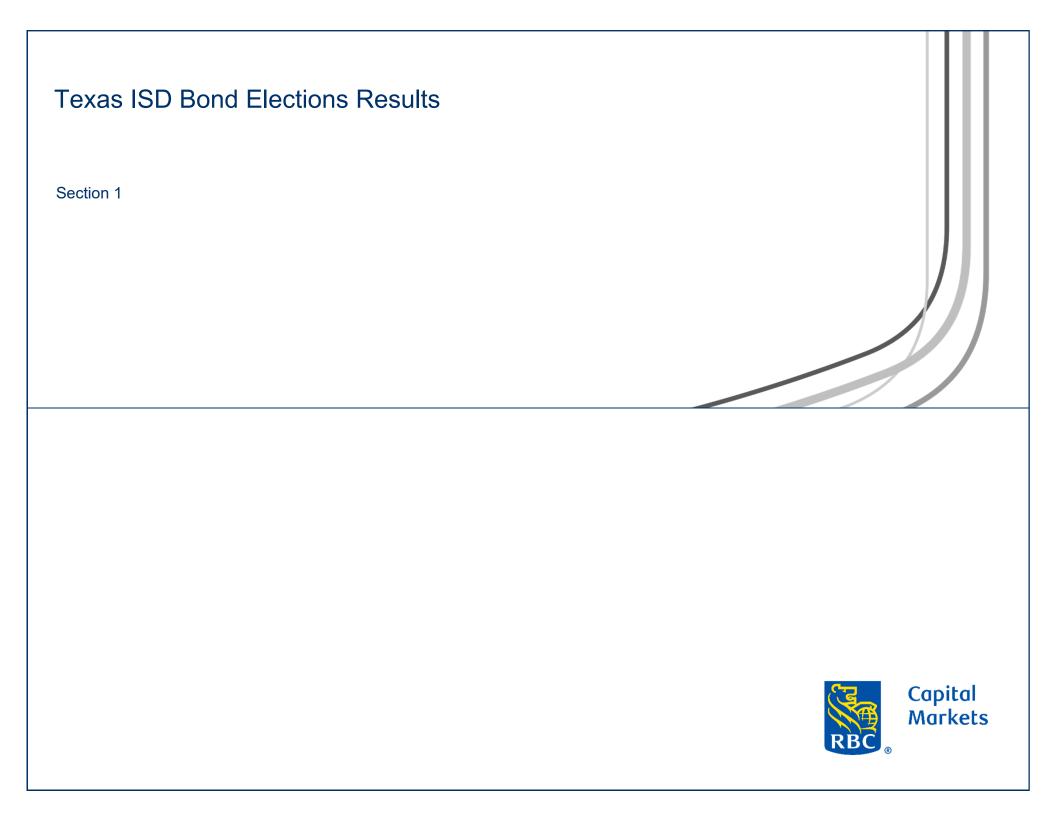
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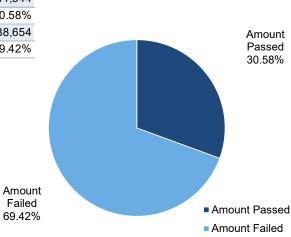
Texas ISD Bond Elections Results

Recent Texas School District Bond Election Results

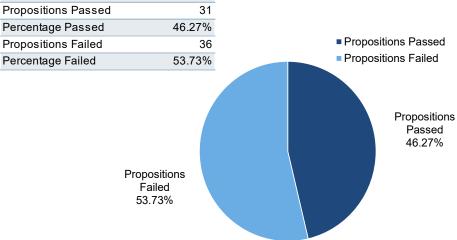
		No. of ISD	Total				
	No. of ISD	Propositions	Par Amount	Par Amount	Par Amount	Pass %	Pass %
Election	Propositions	Passed	Requested	Passed	Failed	by No. ⁽¹⁾	by Par ⁽²⁾
May 2020 ⁽³⁾	4	4	\$282,195,000	\$282,195,000	\$-	100.00%	100.00%
November 2020	74	45	9,048,567,500	7,517,055,864	1,531,511,636	60.81%	83.07%
May 2021	114	93	7,099,124,045	6,545,408,761	553,715,284	81.58%	92.20%
November 2021	111	51	8,696,954,035	5,254,999,397	3,441,954,638	45.95%	60.42%
May 2022	204	103	16,668,742,315	10,450,676,290	6,218,066,025	50.49%	62.70%
November 2022	141	75	15,472,533,126	12,153,813,157	3,318,719,969	53.19%	78.55%
May 2023	233	179	24,919,778,159	21,623,189,741	3,318,719,969	76.82%	86.77%
November 2023	143	78	18,268,910,858	15,054,630,933	3,214,279,925	54.55%	82.41%
May 2024	211	152	10,176,860,820	7,633,841,783	2,543,019,037	72.04%	75.01%
November 2024	67	31	10,594,629,998	3,240,041,344	7,354,588,654	46.27%	30.58%
Total	1,302	811	\$121,228,295,856	\$89,755,852,270	\$31,494,575,137	62.29%	74.04%

Nov. 2024 Results by Dollar Amount

Election Amount	\$10,594,629,998
Amount Passed	\$3,240,041,344
Percentage Passed	30.58%
Amount Failed	\$7,354,588,654
Percentage Failed	69.42%
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(1) Election counted as passed if at least a portion of the election is passed.

Failed

(2) Par amount passed as compared to par amount requested.

(3) Pursuant to Gov. Abbott's March 18, 2020 proclamation, entities could postpone scheduled May 2020 bond elections to a later date.

Source: Municipal Advisory Council of Texas, Strategic Partnerships Inc., district websites and various other sources. Results are unofficial until canvassed, subject to change.

November 2024 Texas School District Unofficial Bond Election Results

Issuer	Election Amount	Amount Passed	Amount Failed	Issuer	Election Amount	Amount Passed	Amount Failed
Allen ISD	\$ 447,499,700	\$ 442,140,046	\$ 5,359,654	Huckabay ISD	\$ 3,100,000	\$ -	\$ 3,100,000
Alvin ISD	380,075,298	380,075,298	-	Ira ISD	15,000,000	15,000,000	-
Anderson-Shiro CISD	60,000,000	60,000,000	-	Jayton-Girard ISD	21,000,000	1,000,000	20,000,000
Aspermont ISD	7,500,000	7,500,000	-	Miles ISD	7,000,000	7,000,000	-
Benavides ISD	24,500,000	-	24,500,000	Nazareth ISD	2,150,000	2,150,000	-
Birdville ISD	48,000,000	-	48,000,000	Paint Creek ISD	3,886,000	3,886,000	-
Bluff Dale ISD	2,500,000	-	2,500,000	Quanah ISD	14,500,000	-	14,500,000
Buffalo ISD	46,500,000	46,500,000	-	Rockwall ISD	848,678,000	-	848,678,000
City View ISD	19,300,000	-	19,300,000	Roosevelt ISD	58,500,000	-	58,500,000
Corpus Christi ISD	135,410,000	-	135,410,000	Rosebud-Lott ISD	25,000,000	23,425,000	1,575,000
Crockett County CCSD	20,000,000	20,000,000	-	Rotan ISD	6,500,000	-	6,500,000
East Central ISD	360,000,000	-	360,000,000	Round Rock ISD	998,135,000	932,225,000	65,910,000
Frenship ISD	199,500,000	199,500,000	-	Sunnyvale ISD	95,740,000	95,740,000	-
Frisco ISD	1,085,400,000	-	1,085,400,000	Sunray Collegiate ISD	3,700,000	3,700,000	-
Glasscock Co ISD	40,000,000	40,000,000	-	Tarkington ISD	80,000,000	-	80,000,000
Grady ISD	22,000,000	22,000,000	-	Vidor ISD	98,400,000	98,400,000	-
Hallettsville ISD	25,956,000	-	25,956,000	Waller ISD	713,500,000	702,500,000	11,000,000
Highland Park ISD [Dallas]	137,300,000	137,300,000	-	West Rusk Co CISD	23,000,000	-	23,000,000
Houston ISD	4,400,000,000	-	4,400,000,000	Willis ISD	115,400,000	-	115,400,000
				Total	\$10,594,629,998	\$3,240,041,344	\$7,354,588,654

Preliminary Bond Election Timetable

Section 2



Preliminary Bond Election Timetable

2025 Bond Election Dates

JANUARY

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Last Day to Call Election

Early Voting Period

Uniform Election Dates

Earliest Date to Canvas Returns

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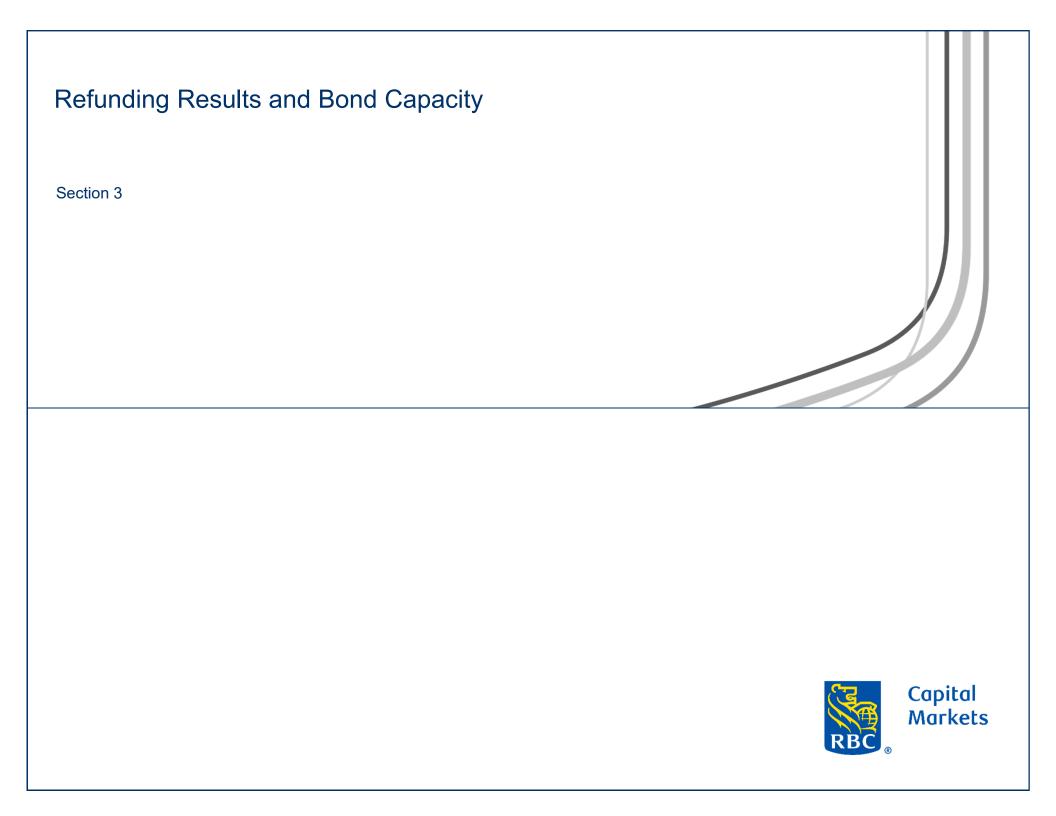
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Preliminary Bond Election Timetable

Bond Election Date Requirements

Date	Action	Responsibility
At Least 78 Days Prior to a May or November Election	School Board Meeting - Board Calls the Bond Election	District, Municipal Advisor, Bond Counsel
30 Days Prior to Election	Publish Election Order (No later than 10 days prior to election and no earlier than 30 days prior to election)	District, Bond Counsel
21 Days Prior to Election	Post Election Order at Administration Building (No later than 21 days prior to election)	District, Bond Counsel
12 Days Prior to a May Election <u>or</u> 17 Days Prior to a November Election	Early Voting Period (Ends 4 days prior to election)	District, Bond Counsel
Uniform Election Date	Bond Election	District, Bond Counsel
3-11 Days After a May or November Election	School Board Meeting - Canvass Election and Declare Results (2 members constitute a quorum for this purpose)	District, Bond Counsel
30 Days Post Canvassing Election	30-Day Contest Period	N/A
45 Days Post Election	Bond Sale (Interest Rates Locked-In)	District, Municipal Advisor, Bond Counsel
75 Days Post Election	Bond Closing (Issuer Receives Bond Proceeds)	District, Municipal Advisor, Bond Counsel



Refunding Results and Bond Capacity

Summary of Refunded Bonds

	Maturities	Refunded	Coupon	Scheduled	Call
Series	Refunded	Par Amount	Range	Call Date	Price
U/L Tax Ref Bds Ser 2014	2025 - 2037	\$22,840,000	4.000% - 5.000%	11/15/2024	100%
Total		\$22,840,000			

Refunding Results

Positive Arbitrage	\$41,723
Present Value Savings (%)	4.51%
Present Value Savings (\$)	\$1,030,333
Avg Annual Debt Service Savings	\$104,749
Net Debt Service Savings	\$1,256,992
Escrow Yield	5.19%
Arbitrage Yield	2.97%
True Interest Cost	3.25%
Avg Coupon of Refunded Bonds	4.06%
Refunded Par Amount	\$22,840,000
Delivery Date	10/15/2024

Combined Cash Flow Savings

Date	Prior Debt	Refunding	Debt Service	PV
(8/31)	Service	Debt Service	Savings	Savings
2025	\$2,300,200	\$2,202,708	\$97,492	\$96,836
2026	2,295,400	2,199,500	95,900	90,157
2027	2,293,600	2,198,250	95,350	87,062
2028	2,294,600	2,199,000	95,600	84,791
2029	2,298,200	2,201,500	96,700	83,320
2030	2,294,200	2,195,500	98,700	82,627
2031	2,296,200	2,201,250	94,950	77,108
2032	2,296,400	2,198,000	98,400	77,656
2033	2,293,800	2,196,000	97,800	74,991
2034	2,298,400	2,200,000	98,400	73,320
2035	2,294,800	2,199,500	95,300	69,002
2036	2,298,200	2,204,500	93,700	65,939
2037	2,293,200	2,194,500	98,700	67,524
Total	\$29,847,200	\$28,590,208	\$1,256,992	\$1,030,333

Summary of Assumptions for Future Bond Capacity

Refunding Results and Bond Capacity

- Assumes South San Antonio ISD conducts a bond election in 2025.
- Assumes the District's I&S rate for 2024/25 is \$0.4990 per \$100 Valuation.
- Assumes The District receives ASAHE funds in the estimated amounts shown on an annual basis until the maturity of its current debt.
- Assumes no growth in current ADA of 6,454.
- Assumes bonds issued in FYE 2026 following the bond election in FYE 2025.
- Assumes a tax collection rate of approximately 96%.
- Assumes a 5% interest rate to be conservative in today's volatile rate environment.
- For analysis purposes, we assumed a 30-year repayment period.

Scenario 1 - \$60,000,000:

Assumes District' Taxable Assessed Valuation grows at an annual rate of 1.50% for the next 13 years, and then no growth thereafter. The District's current outstanding debt extends for 13 years.

Scenario 2 - \$65,000,000:

• Assumes District' Taxable Assessed Valuation grows at an annual rate of 3.00% for the next 5 years, and then no growth thereafter.

Scenario 3 - \$75,000,000:

• Assumes District' Taxable Assessed Valuation grows at an annual rate of 5.93% for the next 5 years, and then no growth thereafter. This growth rate is the District's average TAV growth rate for the past 5 years.

Scenario 1 – 1.5% Annual TAV Growth for 13 years - \$60M New Money

					I&S Tax F	Rate Impact Ar	-					
				50-Cent I&S Tax Rate Capacity								
FYE (8/31)	TAV	TAV Growth	Existing Debt Service	Current Estimated I&S Tax Rate	Less: Anticipated Annual ASAHE State Aid	Net Estimated Annual Debt Service	Projected I&S Tax Rate	Anticipated Debt Defeasance	Estimated \$60MM New Money Bond Sale	Post-New Money Sale Debt Service	Projected I&S Tax Rate	
2025	\$2,776,057,584	1.50%	\$12,459,100	\$0.4675	\$2,185,057	\$10,274,042	\$0.3855	\$3,025,000		\$13,299,042	\$0.4990	
2026	2,817,698,448	1.50%	12,535,292	0.4634	2,198,554	10,336,738	0.3821		\$3,000,000	13,336,738	0.4930	
2027	2,859,963,924	1.50%	12,691,442	0.4623	2,226,704	10,464,737	0.3812		3,070,000	13,534,737	0.4930	
2028	2,902,863,383	1.50%	12,302,200	0.4415	2,242,969	10,059,231	0.3610		3,676,500	13,735,731	0.4929	
2029	2,946,406,334	1.50%	12,373,375	0.4374	2,256,045	10,117,330	0.3577		3,817,500	13,934,830	0.4926	
2030	2,990,602,429	1.50%	12,777,300	0.4451	2,329,484	10,447,816	0.3639		3,689,750	14,137,566	0.4924	
2031	3,035,461,466	1.50%	12,762,200	0.4380	2,326,074	10,436,126	0.3581		3,911,250	14,347,376	0.4924	
2032	3,080,993,388	1.50%	13,094,150	0.4427	2,386,753	10,707,397	0.3620		3,849,750	14,557,147	0.4922	
2033	3,127,208,288	1.50%	13,245,750	0.4412	2,414,071	10,831,679	0.3608		3,938,750	14,770,429	0.4920	
2034	3,174,116,413	1.50%	13,315,750	0.4370	2,426,844	10,888,906	0.3573		4,100,750	14,989,656	0.4919	
2035	3,221,728,159	1.50%	13,172,650	0.4259	2,400,394	10,772,256	0.3483		4,441,750	15,214,006	0.4919	
2036	3,270,054,081	1.50%	13,426,600	0.4277	2,446,048	10,980,552	0.3498		4,457,250	15,437,802	0.4918	
2037	3,319,104,892	1.50%	9,806,200	0.3078	1,791,962	8,014,238	0.2515		4,467,500	12,481,738	0.3917	
2038	3,319,104,892						0.0000		4,052,500	4,052,500	0.1272	
2039	3,319,104,892						0.0000		4,048,250	4,048,250	0.1271	
2040	3,319,104,892						0.0000		4,050,000	4,050,000	0.1271	
2041	3,319,104,892						0.0000		4,052,250	4,052,250	0.1272	
2042	3,319,104,892						0.0000		4,049,750	4,049,750	0.1271	
2043	3,319,104,892						0.0000		4,052,500	4,052,500	0.1272	
2044	3,319,104,892						0.0000		4,050,000	4,050,000	0.1271	
2045	3,319,104,892						0.0000		4,052,250	4,052,250	0.1272	
2046	3,319,104,892						0.0000		4,048,750	4,048,750	0.1271	
2047	3,319,104,892						0.0000		4,049,500	4,049,500	0.1271	
2048	3,319,104,892						0.0000		4,049,000	4,049,000	0.1271	
2049	3,319,104,892						0.0000		4,052,000	4,052,000	0.1272	
2050	3,319,104,892						0.0000		4,048,000	4,048,000	0.1270	
2051	3,319,104,892						0.0000		4,052,000	4,052,000	0.1272	
2052	3,319,104,892						0.0000		4,048,250	4,048,250	0.1271	
2053	3,319,104,892						0.0000		4,051,750	4,051,750	0.1272	
2054	3,319,104,892						0.0000		4,051,750	4,051,750	0.1272	
2055	3,319,104,892						0.0000		4,053,000	4,053,000	0.1272	
Total			\$163,962,008		\$29,630,961	\$134,331,047		\$3,025,000	\$119,332,250	\$256,688, <u>297</u>		

Scenario 2 – 3% Annual TAV Growth for 5 years - \$65M New Money

				Sou	th San Antonio I&S Tax F	o Independent Rate Impact Ar		ict			
						•	I&S Tax Rate	Capacity			
FYE (8/31)	TAV	TAV Growth	Existing Debt Service	Current Estimated I&S Tax Rate	Less: Anticipated Annual ASAHE State Aid	Net Estimated Annual Debt Service	Projected I&S Tax Rate	Anticipated Debt Defeasance	Estimated \$65MM New Money Bond Sale	Post-New Money Sale Debt Service	Projected I&S Tax Rate
2025	\$2,776,057,584	3.00%	\$12,459,100	\$0.4675	\$2,185,057	\$10,274,042	\$0.3855	\$3,025,000		\$13,299,042	\$0.4990
2026	2,859,339,312	3.00%	12,535,292	0.4567	2,198,554	10,336,738	0.3766		\$3,250,000	13,586,738	0.4950
2027	2,945,119,491	3.00%	12,691,442	0.4489	2,226,704	10,464,737	0.3701		3,525,000	13,989,737	0.4948
2028	3,033,473,076	3.00%	12,302,200	0.4224	2,242,969	10,059,231	0.3454		4,346,250	14,405,481	0.4947
2029	3,124,477,268	3.00%	12,373,375	0.4125	2,256,045	10,117,330	0.3373		4,715,750	14,833,080	0.4945
2030	3,124,477,268		12,777,300	0.4260	2,329,484	10,447,816	0.3483		4,384,000	14,831,816	0.4945
2031	3,124,477,268		12,762,200	0.4255	2,326,074	10,436,126	0.3479		4,400,000	14,836,126	0.4946
2032	3,124,477,268		13,094,150	0.4365	2,386,753	10,707,397	0.3570		4,122,000	14,829,397	0.4944
2033	3,124,477,268		13,245,750	0.4416	2,414,071	10,831,679	0.3611		3,999,500	14,831,179	0.4945
2034	3,124,477,268		13,315,750	0.4439	2,426,844	10,888,906	0.3630		3,945,250	14,834,156	0.4946
2035	3,124,477,268		13,172,650	0.4392	2,400,394	10,772,256	0.3591		4,061,000	14,833,256	0.4945
2036	3,124,477,268		13,426,600	0.4476	2,446,048	10,980,552	0.3661		3,858,250	14,838,802	0.4947
2037	3,124,477,268		9,806,200	0.3269	1,791,962	8,014,238	0.2672		3,887,500	11,901,738	0.3968
2038	3,124,477,268						0.0000		4,497,500	4,497,500	0.1499
2039	3,124,477,268						0.0000		4,494,000	4,494,000	0.1498
2040	3,124,477,268						0.0000		4,496,000	4,496,000	0.1499
2041	3,124,477,268						0.0000		4,493,000	4,493,000	0.1498
2042	3,124,477,268						0.0000		4,495,000	4,495,000	0.1499
2043	3,124,477,268						0.0000		4,496,500	4,496,500	0.1499
2044	3,124,477,268						0.0000		4,497,250	4,497,250	0.1499
2045	3,124,477,268						0.0000		4,497,000	4,497,000	0.1499
2046	3,124,477,268						0.0000		4,495,500	4,495,500	0.1499
2047	3,124,477,268						0.0000		4,497,500	4,497,500	0.1499
2048	3,124,477,268						0.0000		4,492,500	4,492,500	0.1498
2049	3,124,477,268						0.0000		4,495,500	4,495,500	0.1499
2050	3,124,477,268						0.0000		4,495,750	4,495,750	0.1499
2051	3,124,477,268						0.0000		4,493,000	4,493,000	0.1498
2052	3,124,477,268						0.0000		4,497,000	4,497,000	0.1499
2053	3,124,477,268						0.0000		4,497,000	4,497,000	0.1499
2054	3,124,477,268						0.0000		4,492,750	4,492,750	0.1498
2055	3,124,477,268						0.0000		4,494,000	4,494,000	0.1498
Total			\$163,962,008		\$31,803,825	\$134,331,047		\$3,025,000	\$129,411,250		

RBC Capital Markets

Scenario 3 – 5.93% Annual TAV Growth for 5	years and \$75M New Money
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				Sou	th San Antonio			ict			
	I&S Tax Rate Impact Analysis 50-Cent I&S Tax Rate Capacity										
FYE (8/31)	TAV	TAV Growth	Existing Debt Service	Current Estimated I&S Tax Rate	Less: Anticipated Annual ASAHE State Aid	Net Estimated Annual Debt Service	Projected I&S Tax Rate	Anticipated Debt	Estimated \$75MM New Money Bond Sale	Post-New Money Sale Debt Service	Projected I&S Tax Rate
2025	\$2,776,057,584	5.93%	\$12,459,100	\$0.4675	\$2,185,057	\$10,274,042	\$0.3855	\$3,025,000		\$13,299,042	\$0.4990
2026	2,940,677,799	5.93%	12,535,292	0.4440	2,198,554	10,336,738	0.3662		\$3,750,000	14,086,738	0.4990
2027	3,115,059,992	5.93%	12,691,442	0.4244	2,226,704	10,464,737	0.3499		4,470,000	14,934,737	0.4994
2028	3,299,783,050	5.93%	12,302,200	0.3884	2,242,969	10,059,231	0.3175		5,769,000	15,828,231	0.4997
2029	3,495,460,185	5.93%	12,373,375	0.3687	2,256,045	10,117,330	0.3015		6,656,250	16,773,580	0.4999
2030	3,495,460,185		12,777,300	0.3808	2,329,484	10,447,816	0.3114		6,324,000	16,771,816	0.4998
2031	3,495,460,185		12,762,200	0.3803	2,326,074	10,436,126	0.3110		6,335,750	16,771,876	0.4998
2032	3,495,460,185		13,094,150	0.3902	2,386,753	10,707,397	0.3191		6,064,750	16,772,147	0.4998
2033	3,495,460,185		13,245,750	0.3947	2,414,071	10,831,679	0.3228		5,939,750	16,771,429	0.4998
2034	3,495,460,185		13,315,750	0.3968	2,426,844	10,888,906	0.3245		5,878,750	16,767,656	0.4997
2035	3,495,460,185		13,172,650	0.3926	2,400,394	10,772,256	0.3210		5,998,500	16,770,756	0.4998
2036	3,495,460,185		13,426,600	0.4001	2,446,048	10,980,552	0.3272		5,794,750	16,775,302	0.4999
2037	3,495,460,185		9,806,200	0.2922	1,791,962	8,014,238	0.2388		5,698,000	13,712,238	0.4086
2038	3,495,460,185						0.0000		3,818,000	3,818,000	0.1138
2039	3,495,460,185						0.0000		3,818,750	3,818,750	0.1138
2040	3,495,460,185						0.0000		3,820,500	3,820,500	0.1139
2041	3,495,460,185						0.0000		3,823,000	3,823,000	0.1139
2042	3,495,460,185						0.0000		3,821,000	3,821,000	0.1139
2043	3,495,460,185						0.0000		3,819,500	3,819,500	0.1138
2044	3,495,460,185						0.0000		3,818,250	3,818,250	0.1138
2045	3,495,460,185						0.0000		3,822,000	3,822,000	0.1139
2046	3,495,460,185						0.0000		3,820,250	3,820,250	0.1138
2047	3,495,460,185						0.0000		3,823,000	3,823,000	0.1139
2048	3,495,460,185						0.0000		3,819,750	3,819,750	0.1138
2049	3,495,460,185						0.0000		3,820,500	3,820,500	0.1139
2050	3,495,460,185						0.0000		3,819,750	3,819,750	0.1138
2051	3,495,460,185						0.0000		3,822,250	3,822,250	0.1139
2052	3,495,460,185						0.0000		3,822,500	3,822,500	0.1139
2053	3,495,460,185						0.0000		3,820,250	3,820,250	0.1138
2054	3,495,460,185						0.0000		3,820,250	3,820,250	0.1138
2055	3,495,460,185						0.0000		3,822,000	3,822,000	0.1139
Total			\$163,962,008		\$29,630,961	\$134,331,047		\$3,025,000	\$137,451,000	\$274,807,047	

Section 4



Economic Update

U.S. Economic Overview | as of November 18, 2024

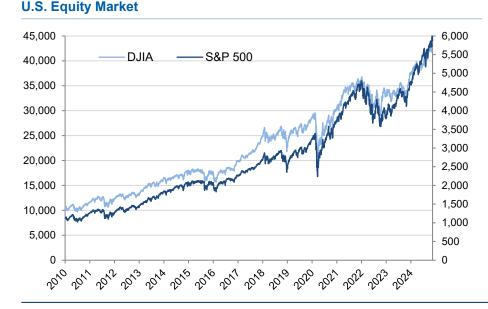
- The FOMC cut the federal funds target rate by 25bp to a range of 4.50-4.75% last week, as expected.
- Fed officials believe the risks to employment and inflation "remain roughly in balance" and noted the labor market "generally eased."
- Chair Powell avoided political questions during the press conference, noting "in the near term, the election will have no effects on our policy decisions."
- Fed funds futures are now pricing in ~80% odds of a 50bp cut at the December FOMC meeting.
- The election triggered a growth narrative, driving a sharp rally in equities alongside significant volatility in the Treasury market.
- Inflation data take center stage this week, with October CPI on Wednesday and PPI on Thursday.
- Annualized CPI is expected to tick up from 2.4% to 2.6%, with core holding at 3.3%; PPI is expected to rise from 1.8% to 2.3%, with core rising from 2.8% to 3.0%.

RBC Economic Outlook and Interest Rate Forecasts⁽¹⁾

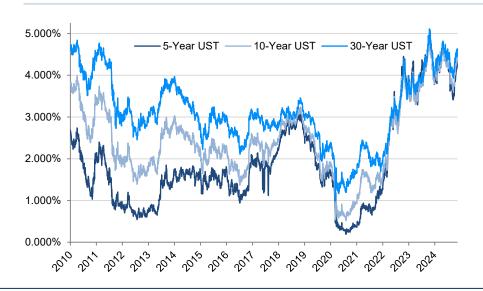
	Q4'24	Q1'25	Q2'25	Q3'25	Q4'25
Real GDP (QoQ)	2.40	1.00	1.50	1.80	2.00
Core Inflation (YoY)	2.40	2.10	1.90	2.20	2.30
Fed Funds*	4.38	4.13	4.13	4.13	4.13
2-Year Notes	4.20	4.40	4.50	4.70	4.85
5-Year Notes	4.10	4.30	4.40	4.55	4.65
10-Year Notes	4.25	4.40	4.45	4.55	4.60
30-Year Bonds	4.45	4.55	4.60	4.70	4.75

⁽¹⁾ RBC Rate and Economic Forecast as of November 13, 2024.

*Midpoint of range.



U.S. Treasury Rates



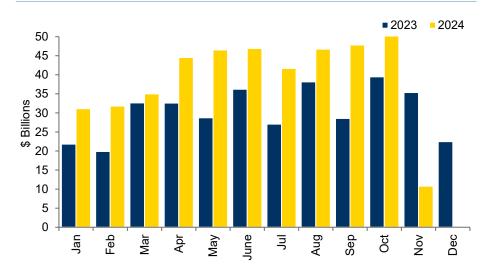
Municipal Market Update

Municipal Market Overview | as of November 18, 2024

• 2023 Municipal Supply: \$362 billion

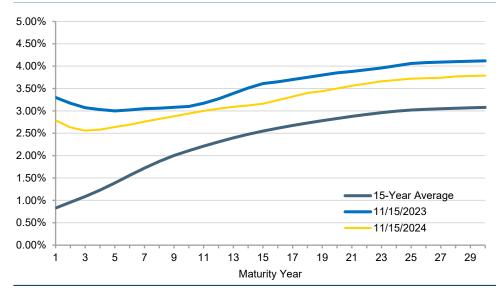
Current MMD Curve in Context

- US IG issuance totaled \$1.9bn last week, and this week's volume may total \$35bn; the US aggregate index sits at the tightest spread since 1998.
- Municipal supply totaled \$2.8bn last week, driven by two prepay transactions; the week ahead brings a calendar totaling \$6.3bn.
- Investors have cash to put to work, but volatility in the Treasury market and current MMD/UST ratios pose potential challenges for the primary market.
- Municipal bond funds reported \$1.26bn of inflows last week, marking the 19th consecutive week of positive fund flows.
- The SIFMA index declined from 3.24% to 2.68% last week, and TEMM funds reported \$3.07bn of inflows.

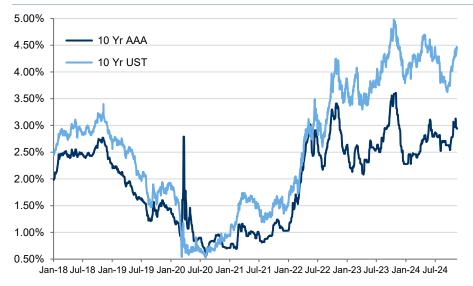


2023 – 2024 Monthly Supply* (\$ Billions)

* Publicly offered municipal debt; excludes private placements.



Tax-Exempt and Taxable Yield Trends: January 1, 2018 - Present



Municipal Market Data | 30 Year "AAA" Rates

• After closing at 3.79% the previous week, the 30-year "AAA" MMD remained steady from November 8 – November 15, closing at a rate of 3.79%.

10 Yr 20 Yr 30 Yr 5.05% 4.50% 4.55% 4.00% 4.05% 3.55% 3.50% 3.05% 3.00% 2.55% 2.05% 2.50% 1.55% 2.00% 1.05% Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov 0.55%

"AAA" MMD January 1, 2010 to Present

Jan-10 Jan-11 Jan-12 Jan-13 Jan-14 Jan-15 Jan-16 Jan-17 Jan-18 Jan-19 Jan-20 Jan-21 Jan-22 Jan-23 Jan-24

January 1, 2010 to Present

	10-Year	20-Year	30-Year
Maximum	3.610%	4.890%	5.080%
Minimum	0.580%	1.080%	1.270%
Current	2.940%	3.500%	3.790%

Shift in 30-year "AAA" MMD

2017	2018	2019	2020	2021	2022	2023
-0.51%	0.47%	-0.93%	-0.70%	0.10%	2.09%	-0.16%

November 1, 2023 to Present 20 Yr 30 Yr 10 Yr Maximum 3.580% 4.310% 4.570% Minimum 2.280% 3.080% 3.400% Average 2.692% 3.404% 3.706%

Shift in "AAA" MMD Since November 2023

Source: TM3, Thomson Reuters

10, 20, and 30 year "AAA" MMD shown to represent different average lives of municipal transactions Rates as of November 15, 2024

BBI 20 Index and Municipal Fund Flows

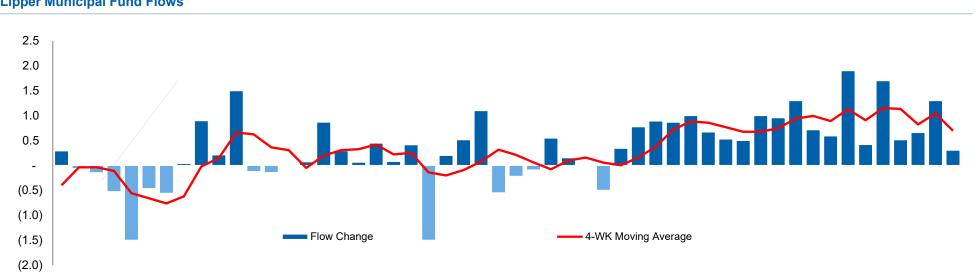
Bond Buyer 20 GO Bond Index Since 1961



% of Time in Each Range Since 1961

Yield Range	
Less than 3.50%	14.40%
3.50% - 4.00%	12.74%
4.01% - 4.50%	10.94%
4.51% - 5.00%	9.08%
5.01% - 5.50%	12.65%
5.51% - 6.00%	8.81%
6.01% - 6.50%	6.82%
6.51% - 7.00%	6.22%
7.01% - 7.50%	5.62%
7.51% - 8.00%	3.31%
Greater than 8.00%	9.41%
Total	100.00%

Today's 4.28% level is lower than 68.29% of historical rates since January 1961.



Lipper Municipal Fund Flows

Source: Lipper for the week ended November 14, 2024

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