



May 2023 Bond Election Presentation

George Williford

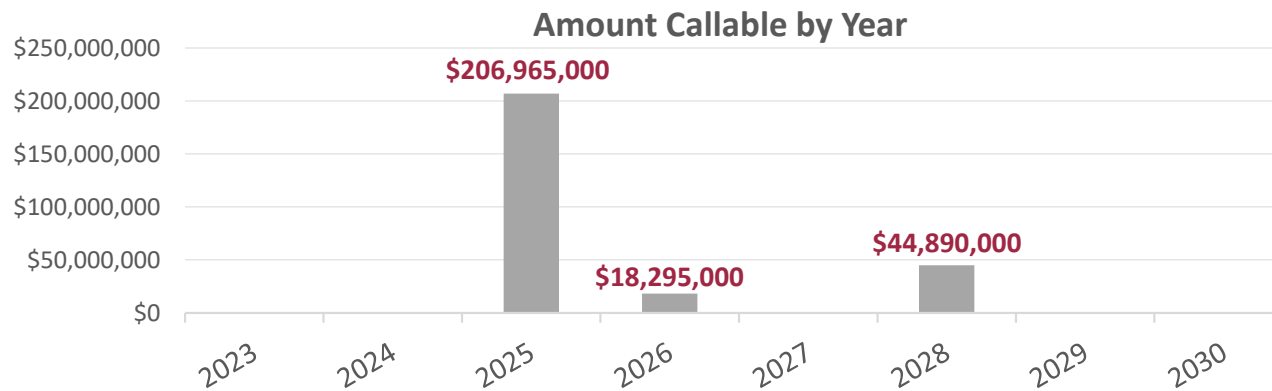
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Summary of Outstanding Debt

Issue	Original Par Amount	Amount Outstanding	Call Date	Final Maturity
Unlimited Tax Refunding Bonds, Series 2020	47,830,000	36,730,000	Non-Callable	2/15/2028
Unlimited Tax Refunding Bonds, Series 2019A	28,420,000	12,080,000	Non-Callable	2/15/2024
Unlimited Tax Refunding Bonds, Series 2019	14,525,000	1,565,000	2/15/2028	2/15/2029
Unlimited Tax School Building Bonds, Series 2018	78,565,000	62,040,000	2/15/2028	2/15/2038
Unlimited Tax School Building Bonds, Series 2016	150,250,000	105,740,000	2/15/2025	2/15/2036
Unlimited Tax Refunding Bonds, Series 2016	40,560,000	30,465,000	2/15/2026	2/15/2031
Unlimited Tax School Building Bonds, Series 2015A	185,740,000	146,935,000	2/15/2025	2/15/2035
Unlimited Tax Refunding Bonds, Series 2014	26,725,000	5,865,000	Non-Callable	2/15/2024
Unlimited Tax QSCB, Taxable Series 2012 (Direct Subsidy)	12,485,000	12,485,000	Currently Callable	2/15/2031
Unlimited Tax QSCB, Series 2009B (Tax Credit Bonds)	10,185,000	10,135,000	Non-Callable	2/15/2024
	595,285,000	424,040,000		



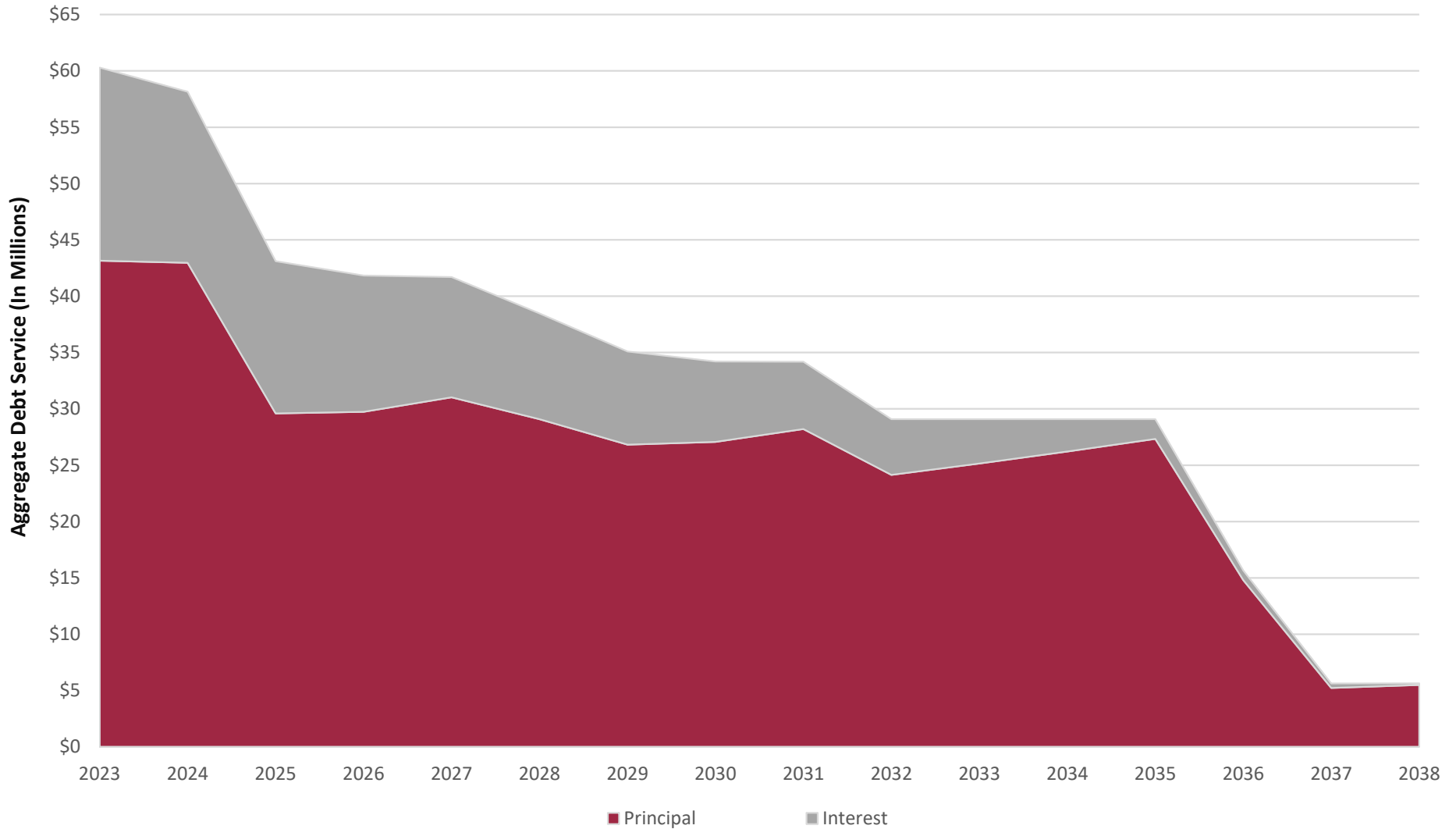
Source: Municipal Advisory Council of Texas. As of November 2022.

Outstanding Debt Service

Period Ending	Principal	Interest	Total Debt Service	QSCB Subsidy	Sinking Fund Deposits	Cumulative Sinking Fund Deposits	Net Debt Service
12/31/2023	40,210,000	17,614,012	57,824,012	(471,994)	2,940,000		60,292,018
12/31/2024	50,160,000	15,660,734	65,820,734	(471,994)	2,935,000	(10,135,000)	58,148,740
12/31/2025	28,345,000	13,984,311	42,329,311	(471,994)	1,250,000		43,107,317
12/31/2026	28,490,000	12,565,036	41,055,036	(471,994)	1,250,000		41,833,042
12/31/2027	29,770,000	11,152,336	40,922,336	(471,994)	1,250,000		41,700,342
12/31/2028	27,840,000	9,859,749	37,699,749	(471,994)	1,245,000		38,472,755
12/31/2029	25,590,000	8,723,299	34,313,299	(471,994)	1,245,000		35,086,305
12/31/2030	25,825,000	7,604,661	33,429,661	(471,994)	1,245,000		34,202,667
12/31/2031	39,435,000	6,222,474	45,657,474	(235,997)	1,250,000	(12,485,000)	34,186,477
12/31/2032	24,145,000	4,931,588	29,076,588				29,076,588
12/31/2033	25,155,000	3,924,813	29,079,813				29,079,813
12/31/2034	26,225,000	2,853,313	29,078,313				29,078,313
12/31/2035	27,335,000	1,741,906	29,076,906				29,076,906
12/31/2036	14,795,000	856,750	15,651,750				15,651,750
12/31/2037	5,225,000	405,375	5,630,375				5,630,375
12/31/2038	5,495,000	137,375	5,632,375				5,632,375
	424,040,000	118,237,731	542,277,731	(4,011,947)	14,610,000	(22,620,000)	530,255,784

Source: Municipal Advisory Council of Texas. As of November 2022.

Outstanding Debt Service Graph



Note: The graph above illustrates sinking fund deposits for the Series 2009B QSCB and Series 2012 QSCB. Interest is shown net of subsidy.

Historical Refunding Savings

Calendar Year End	Series 2014 Refunding Savings	Series 2015A Refunding Savings	Series 2016 Refunding Savings	Series 2019 Refunding Savings	Series 2019A Refunding Savings	Series 2020 Refunding Savings	Total Savings
2015	\$ 272,627						\$ 272,627
2016	299,895	\$ 95,030	\$ (99)				394,826
2017	293,739	95,030	355,088				743,856
2018	280,366	95,030	355,088				730,484
2019	273,305	95,030	355,088				723,423
2020	265,656	95,030	325,838	\$ 99,765	\$ 320,219		1,106,508
2021	260,994	95,030	327,338	99,494	328,875	\$ 1,891	1,113,621
2022	255,120	95,030	323,963	101,119	322,575	943,550	2,041,357
2023	245,074	95,030	330,981	102,025	321,000	946,550	2,040,660
2024	240,952	95,030	328,394	102,263	324,475	942,675	2,033,788
2025		510,515	325,944	97,509		946,800	1,880,768
2026		510,125	323,575	97,700		943,800	1,875,200
2027		512,750	327,900	97,600		943,675	1,881,925
2028		510,625	328,050	99,163		942,775	1,880,613
2029			328,188	101,675			429,863
2030			273,050				273,050
2031			269,975				269,975
	<u>\$ 2,687,730</u>	<u>\$ 2,899,285</u>	<u>\$ 4,878,357</u>	<u>\$ 998,312</u>	<u>\$ 1,617,144</u>	<u>\$ 6,611,716</u>	<u>\$ 19,692,544</u>
Delivery Date	1/31/2014	6/18/2015	6/9/2016	1/15/2019	11/26/2019	11/19/2020	
Refunded Bonds	2005	2005	2009A, 2011	2009A	2010, 2011A, 2012A	2012	
Refunded Par Amount	\$26,930,000	\$12,545,000	\$41,035,000	\$15,735,000	\$30,215,000	\$52,850,000	
Net PV Savings (\$)	\$2,328,836	\$2,208,168	\$4,157,857	\$857,901	\$1,556,236	\$8,413,873	
True Interest Cost (%)	2.96%	3.32%	2.12%	2.27%	1.37%	0.60%	
NPV Savings as a % of Refunded Bonds	8.65%	17.60%	10.13%	5.45%	5.15%	15.92%	

Ratings and Agency Comments

Moody's

Aaa

(Since 4/23/10)

Fitch

AA+

(Since 5/6/15)

□ **Comments in Rating Reports:**

▶ **Moody's**

- Large and diverse tax base in the Dallas/Fort Worth metroplex
- Consistent annual surpluses resulting in excellent reserve position
- Affordable fixed cost profile

▶ **Fitch**

- High financial flexibility throughout economic cycles due to its solid expenditure flexibility and significant reserves
- Low long-term liability burden and robust reserves
- Debt and pension liabilities are low relative to personal income and debt is rapidly amortized

List of Highest Rated School District in Texas

School Districts Rated by Moody's

Aaa

Austin ISD

Garland ISD

Highland Park ISD [Dallas]

Houston ISD

Plano ISD

Richardson ISD

Round Rock ISD

Total: 7

School Districts Rated by Fitch

AAA

Round Rock ISD

Total: 1

AA+

Austin ISD

Birdville ISD

Clear Creek ISD

College Station ISD

Coppell ISD

Dallas ISD

Eanes ISD

Fort Bend ISD

Galena Park ISD

Garland ISD

Highland Park ISD [Dallas]

Hurst-Euless-Bedford ISD

Lewisville ISD

Mansfield ISD

Mesquite ISD

New Braunfels ISD

North East ISD

Northside ISD [Bexar]

Tyler ISD

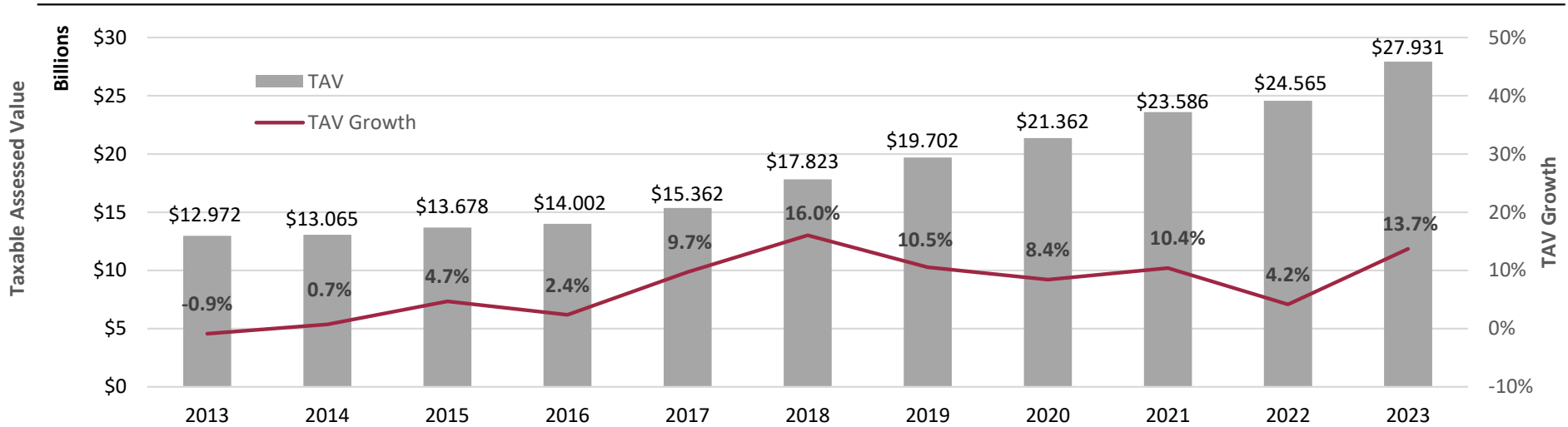
Lake Travis ISD

Total: 20

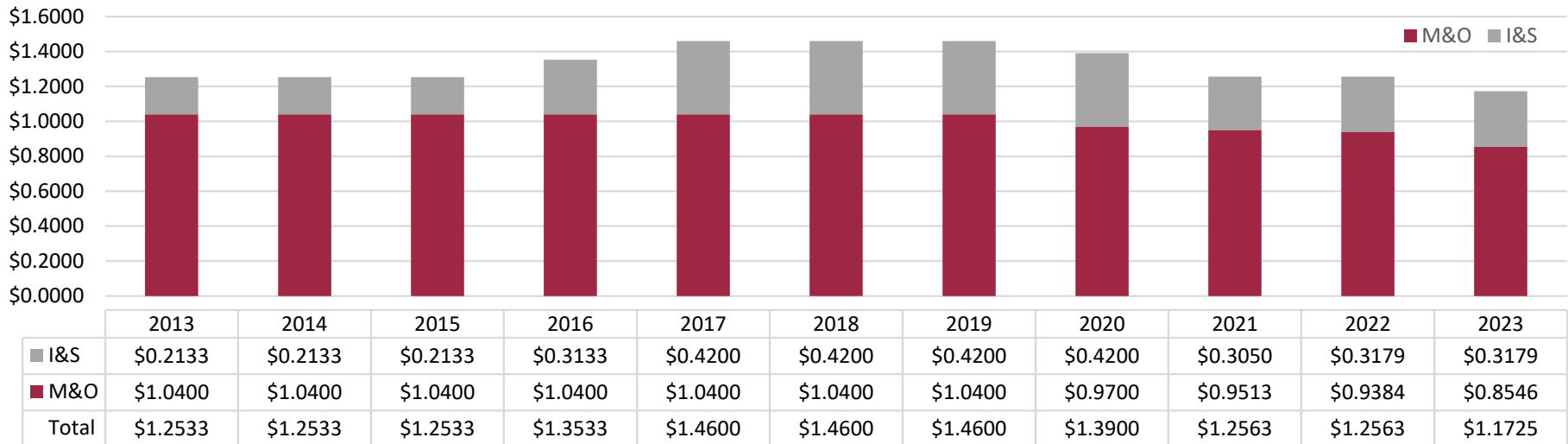
Source: Texas Municipal Advisory Council

GISD Historical Assessed Valuation & Tax Rates

Historical Assessed Valuation



Historical Tax Rates



Source: Municipal Advisory Council of Texas and Dallas Central Appraisal District.

School District Peer Comparison

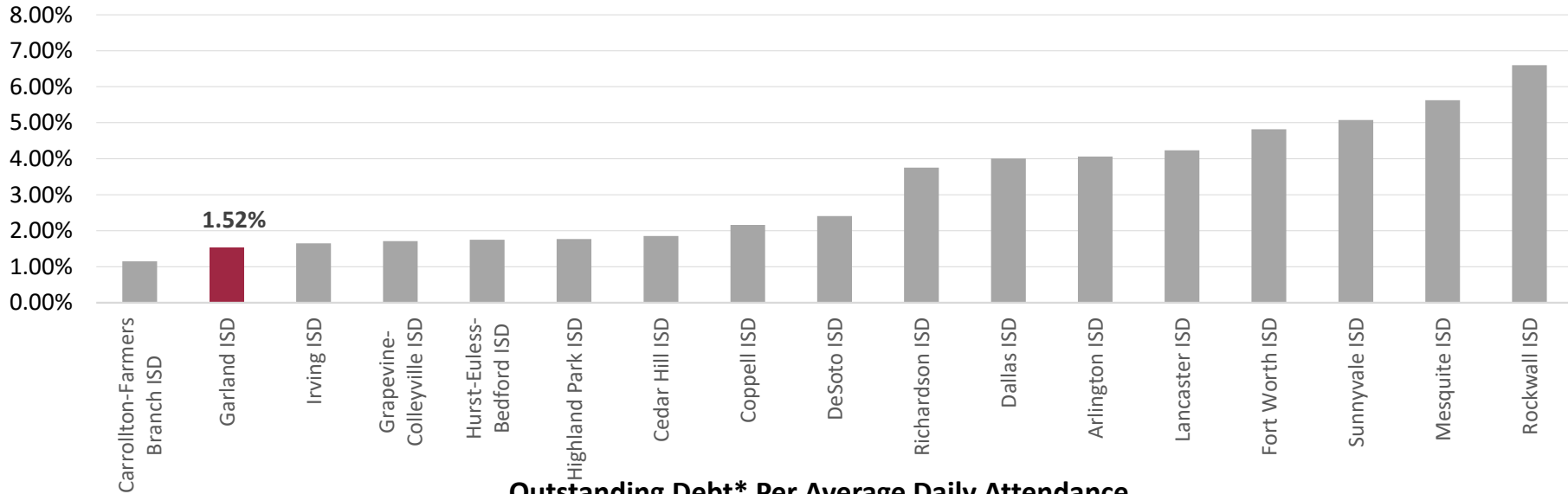
School District	2022-23 Tax Rates			Outstanding Debt	Authorized but Unissued	FYE 2022-23 Assessed Value	Average Daily Attendance (ADA)	Outstanding Debt *	
	M&O	I&S	Total					Per TAV	Per ADA
Garland ISD	0.8546	0.3179	1.1725	424,040,000	-	27,931,306,437	50,100	1.52%	8,464
Highland Park ISD	0.9078	0.1700	1.0778	336,135,000	-	19,001,866,809	6,557	1.77%	51,264
Hurst-Euless-Bedford ISD	0.8742	0.2356	1.1098	321,965,000	-	18,416,245,007	22,609	1.75%	14,241
Grapevine-Colleyville ISD	0.9091	0.2217	1.1308	311,711,018	-	18,217,316,712	14,013	1.71%	22,244
Carrollton-Farmers Branch ISD	0.9429	0.2000	1.1429	336,185,000	-	29,221,078,365	23,351	1.15%	14,397
Irving ISD	0.9056	0.2418	1.1474	314,700,000	-	19,095,365,105	29,900	1.65%	10,525
Garland ISD	0.8546	0.3179	1.1725	424,040,000	-	27,931,306,437	50,100	1.52%	8,464
Dallas ISD	0.9429	0.2420	1.1849	3,467,730,000	3,065,375,000	162,911,964,185	133,983	4.01%	48,761
Rockwall ISD	0.8546	0.3600	1.2146	692,843,438	285,845,000	14,835,446,466	16,652	6.60%	58,773
Coppell ISD	0.9867	0.2306	1.2173	335,954,846	-	15,537,196,829	13,158	2.16%	25,532
Duncanville ISD	0.9329	0.3200	1.2529	188,775,000	-	6,481,265,229	11,280	2.91%	16,735
DeSoto ISD	0.9429	0.3153	1.2582	110,428,896	-	4,582,982,133	7,175	2.41%	15,391
Fort Worth ISD	0.9896	0.2920	1.2816	1,318,830,000	1,061,000,000	49,408,302,960	70,897	4.82%	33,567
Mesquite ISD	0.8846	0.4000	1.2846	704,827,801	-	12,530,871,024	36,450	5.62%	19,337
Arlington ISD	1.0080	0.3007	1.3087	1,185,949,956	263,538,700	35,674,789,759	51,800	4.06%	27,982
Cedar Hill ISD	0.9746	0.3360	1.3106	95,225,144	-	5,131,651,355	7,100	1.86%	13,412
Richardson ISD	0.9646	0.3500	1.3146	1,010,740,000	150,000,000	30,926,702,873	36,900	3.75%	31,456
Sunnyvale ISD	0.9605	0.4141	1.3746	86,282,574	-	1,700,975,303	2,127	5.07%	40,565
Lancaster ISD	0.9406	0.4375	1.3781	181,951,933	-	4,295,285,597	6,800	4.24%	26,758
Minimum	0.8546	0.1700	1.0778	86,282,574		1,700,975,303	2,127	1.150%	8,464
Median	0.9418	0.3080	1.2351	336,044,923		18,316,780,860	19,630	2.661%	23,888
Maximum	1.0080	0.4375	1.3781	3,467,730,000		162,911,964,185	133,983	6.597%	58,773

* Outstanding debt includes authorized but unissued debt + currently outstanding debt obligations.

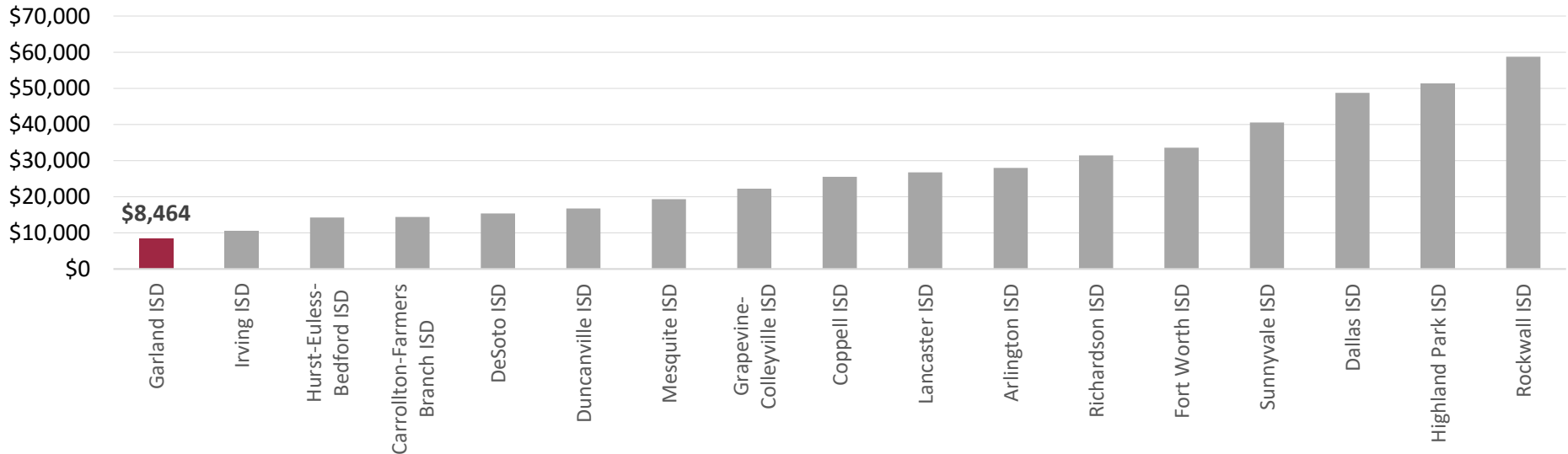
Source: Texas Municipal Advisory Council

School District Peer Comparison

Percentage of Outstanding Debt* Per Assessed Valuation



Outstanding Debt* Per Average Daily Attendance

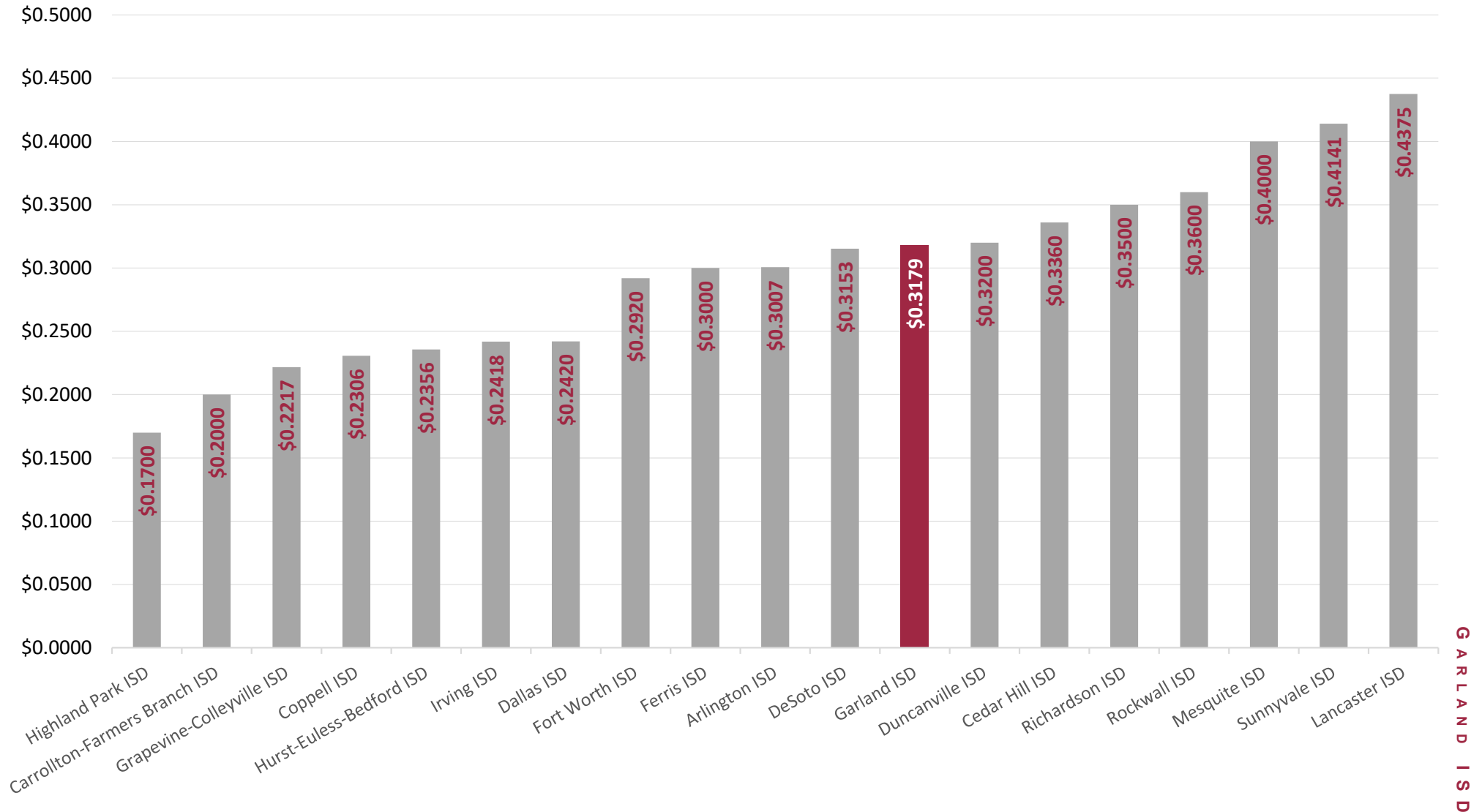


GARLAND ISD

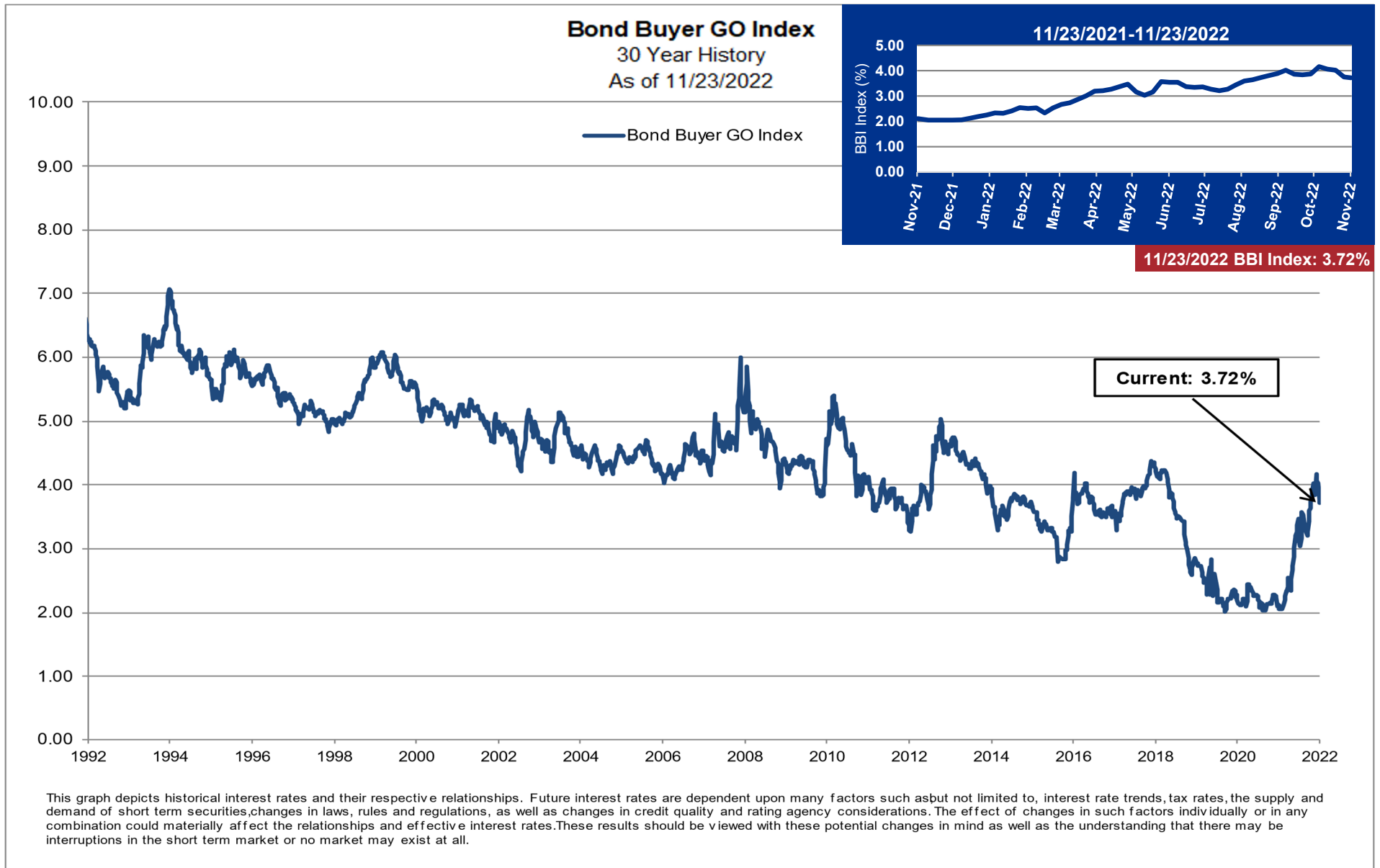
* Outstanding debt includes authorized but unissued debt + currently outstanding debt obligations.

Comparison of Interest & Sinking Tax Rates

Select I&S Tax Rates FYE 2022-23



Historical Tax-Exempt Interest Rates: Bond Buyer's 30 Yr Index



GARLAND ISD

Model Assumptions and Projections

May 2023 Authorization

Scenario	Total Bond Authorization	Amount of Each Issue (5 Bond Issues)	Repayment Term	Interest Rates	Increase Above Current Tax Rate of \$0.3179	Estimated Max Required I&S Tax Rate
1	\$942,500,000	\$188,500,000	20	5.25% - 5.45%	-	\$0.3179
2	\$1,028,750,000	\$205,750,000	25	5.50% - 5.70%	-	\$0.3179
3	\$1,078,750,000	\$215,750,000	30	5.75% - 5.95%	-	\$0.3179
4	\$951,250,000	\$190,250,000	20	5.25% - 5.45%	\$0.0021	\$0.3200
5	\$1,039,500,000	\$207,900,000	25	5.50% - 5.70%	\$0.0021	\$0.3200
6	\$1,090,000,000	\$218,000,000	30	5.75% - 5.95%	\$0.0021	\$0.3200
7	\$985,000,000	\$197,000,000	20	5.25% - 5.45%	\$0.0100	\$0.3279
8	\$1,076,250,000	\$215,250,000	25	5.50% - 5.70%	\$0.0100	\$0.3279
9	\$1,128,750,000	\$225,750,000	30	5.75% - 5.95%	\$0.0100	\$0.3279

Notes

- (1) Use of surplus I&S funds to defease/redeem bonds in years exceeding the target tax rate.
- (2) Five equal annual issuances beginning Summer 2023.
- (3) Level annual debt service structure for each issuance for planning purposes. Actual structure dependent on taxable value and interest rates at the time of issuance.
- (4) Assumed the following growth rates in GISD's Taxable Assessed Values: Years 1-2 assumed 3.00% growth; Years 3-5 assumed 2.00% growth; and no growth thereafter.

PRELIMINARY / SUBJECT TO CHANGE – For discussion purposes only.

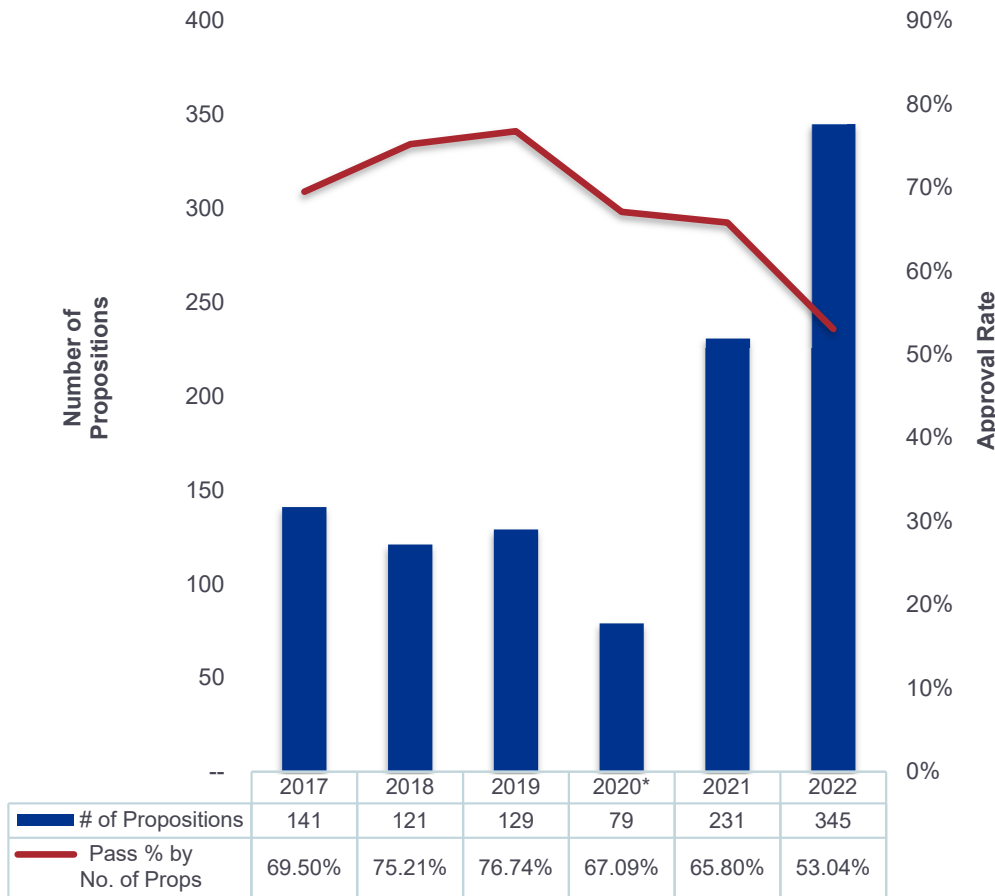
Homeowner Tax Impact – May 2023 Authorization

Taxable Home Value After Exemption	Estimated I&S Tax Rate Increase Above FY2023		Estimated I&S Tax Rate Increase Above FY2023	
	\$0.0021		\$0.0100	
	Annual	Monthly	Annual	Monthly
\$125,000	\$2.63	\$0.22	\$12.50	\$1.04
\$200,000	\$4.20	\$0.35	\$20.00	\$1.67
\$275,000	\$5.78	\$0.48	\$27.50	\$2.29
\$350,000	\$7.35	\$0.61	\$35.00	\$2.92
\$425,000	\$8.93	\$0.74	\$42.50	\$3.54
\$500,000	\$10.50	\$0.88	\$50.00	\$4.17

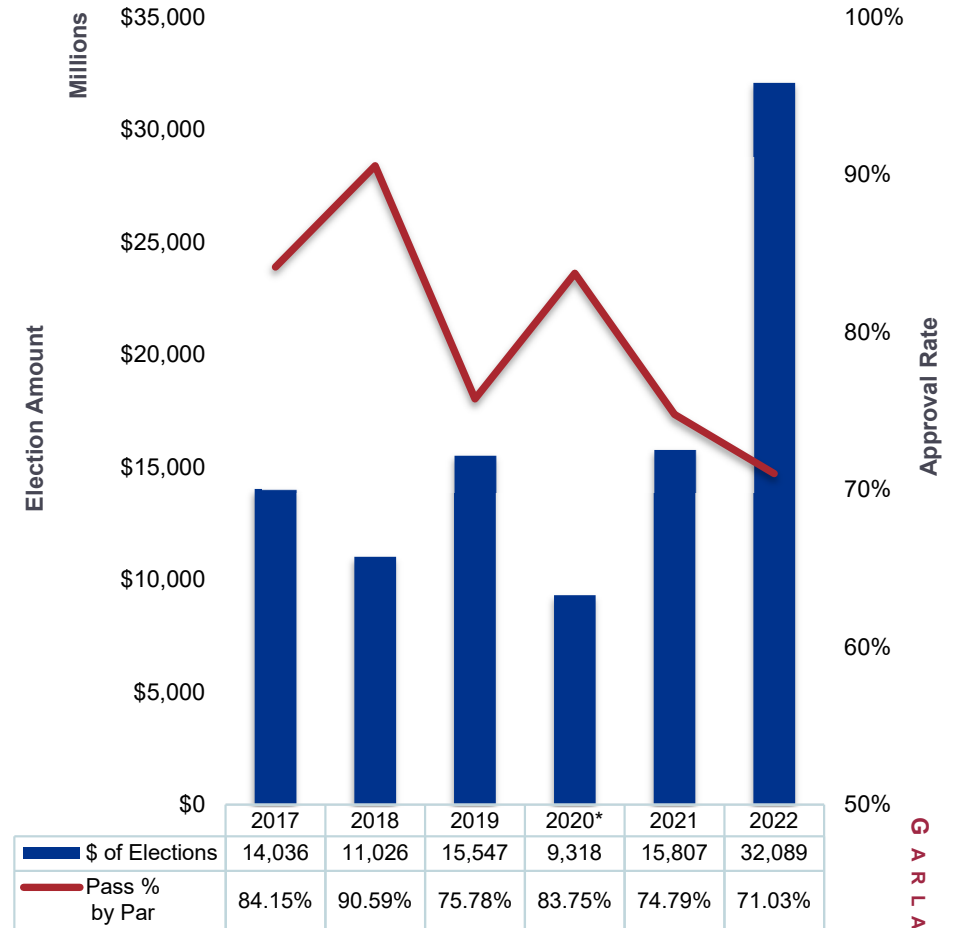
- All Texas homeowners are eligible to receive a \$40,000 State homestead exemption on school taxes
- With a bond, taxpayers over 65 will not have their taxes go above the frozen levy amount when the over 65 exemption was granted
 - Absent home renovations or improvements, a successful bond election will not increase taxes on a home for these qualified taxpayers

Texas School District Historical Bond Election Results

Historical Approval Rate
(by No. ISD Proposition)



Historical Approval Rate
(by Dollar Amount)



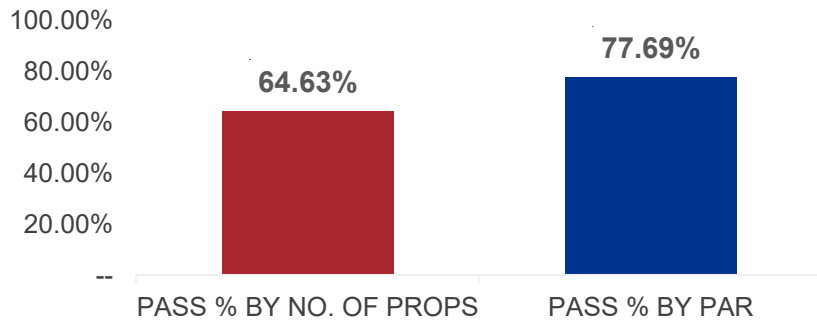
* May 2020 elections were postponed following the Governor's COVID proclamation authorizing political subdivisions to postpone election to the November 2020 uniform election date.

Source: Municipal Advisory Council of Texas and individual district websites

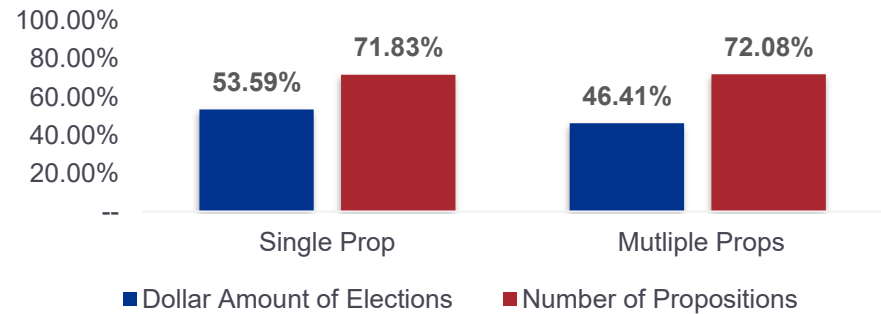
Texas School District Historical Bond Election Results

Year	No. of Elections	No. of Propositions	No. of Single Props.	No. of Multiple Props.	No. of Propositions Passed	No. of Propositions Failed	Total Par Amount Requested	Single Prop Par Amount Requested	Mult Prop Par Amount Requested	Par Amount Passed	Par Amount Failed	Par Amount Passed by Single Prop	Par Amount Passed by Multiple Props
2017	126	141	114	12	98	43	14,036,382,791	12,633,249,791	1,403,133,000	11,811,157,500	2,225,225,291	11,236,032,500	575,125,000
2018	104	121	90	14	91	30	11,026,121,959	9,493,726,959	1,532,395,000	9,988,227,659	1,037,894,300	9,162,172,659	826,055,000
2019	126	129	123	3	99	30	15,547,264,220	14,700,794,135	846,470,085	11,781,080,085	3,766,184,135	10,958,410,000	822,670,085
2020*	43	79	21	22	53	26	9,317,571,633	1,137,092,500	8,180,479,133	7,803,533,864	1,514,037,769	980,130,000	6,823,403,864
2021	128	231	72	56	152	79	15,807,216,543	4,115,673,463	11,691,543,080	11,821,910,621	3,985,305,922	2,640,918,463	9,180,992,158
2022	199	345	109	90	183	162	32,089,253,381	9,044,173,929	23,045,079,452	22,794,038,139	9,295,215,242	5,754,368,929	17,039,669,210
Total	726	1,046	529	197	676	370	\$97,823,810,527	\$51,124,710,777	\$46,699,099,750	\$75,999,947,868	\$21,823,862,659	\$40,732,032,551	\$35,267,915,317

TX School District Historical Pass Rate 2017-2022



Approval Rates – By Single Proposition Or Multiple Propositions



* May 2020 elections were postponed following the Governor's COVID proclamation authorizing political subdivisions to postpone election to the November 2020 uniform election date.

Source: Municipal Advisory Council of Texas and individual district websites

General Bond Election Information

Ballot Language

Legislation passed in 2019 REQUIRES the following language to appear on every proposition on the bond ballot:

“THIS IS A PROPERTY TAX INCREASE”

Bond Propositions

Legislation passed in 2019 REQUIRES separate propositions for certain types of projects:

- Historically, districts could “bundle” all education-related projects under a single ballot proposition
 - SB 30 now requires separate propositions for general purpose facilities and special purpose facilities. Special purpose facilities are:
 - Stadium with seating capacity for more than 1,000 spectators
 - Natatorium
 - Recreational facility other than gym, playground, or play area
 - Performing arts facility (incl. elementary school auditorium)
 - Teacher housing
 - Technology, other than security equipment or infrastructure integral to new construction
- Last day to call a bond election is on **February 17, 2023**
- The election date will be held on **May 6, 2023**

Considerations When Issuing Bonds

- Unlimited Tax Bonds
 - Must be voted
 - Proceeds can be used for a number of different purposes
 - Repaid from I&S tax revenues

- Does not deplete M&O fund balance or M&O capacity

- Finance projects over their useful lives with a variety of repayment options

- Tax-exempt feature provides low interest cost, long-term financing
 - Permanent School Fund (“PSF”) Guarantee is a further benefit