Birdville ISD 2022 Bond Planning Committee

March 7, 2022

- Debrief Facilities
- Demographic Report
- Financial Capacity & Impact Scenarios
- Ballot Language



General Process We Shall Follow

- We will be presented complex school finance information by District and external professionals.
- We will gain an understanding and insight into District needs through presentations by demographers and professionals in several different meetings.
- We will be given a spreadsheet with projects and associated costs when all presentations are complete.
- We will be informed of the District's financial capacity in Meeting #3.

- We will deliberate and make decisions individually at our tables – in groups of eight, then four, then collectively.
- We will reach consensus on a Bond Referendum that we consider viable in the community, represents good stewardship, and meets the needs of our District/students.
- We will present that proposed referendum to the Board of Trustees who have the final decision on the Bond election.





Public School Finance Questions



Katie Bowman, CPA
Associate Superintendent for Finance &
Auxiliary Services

Debrief Facilities Tour

- What did you see?
- How did your observations of Cheney Hills Elementary, Shannon High School, David E. Smith Elementary and Alliene Mullendore Elementary make you feel?
- What are the implications if we do nothing? If we solve the problem(s)?
- At this point, what do you believe might reflect a good solution?





Fall 2021 Demographic Report

% Zonda...

Education

Rocky Gardiner Zonda Education

2022 BOND PLANNING COMMITTEE

Annual Enrollment Change

																	Total	%
Year (Oct.)	EE	PK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total	Growth	Growth
2017/18	158	796	1,583	1,664	1,680	1,810	1,780	1,777	1,783	1,789	1,756	2,013	1,809	1,578	1,715	23,691		
2018/19	161	829	1,652	1,603	1,682	1,687	1,804	1,780	1,805	1,769	1,780	1,958	1,866	1,552	1,682	23,610	-81	-0.34%
2019/20	165	833	1,674	1,650	1,589	1,667	1,697	1,784	1,817	1,836	1,822	2,029	1,776	1,583	1,657	23,579	-31	-0.13%
2020/21	139	546	1,486	1,659	1,589	1,518	1,611	1,637	1,727	1,818	1,812	1,910	1,897	1,690	1,697	22,736	-843	-3.58%
2021/22	88	655	1,517	1,580	1,593	1,587	1,540	1,644	1,666	1,754	1,806	2,130	1,759	1,581	1,649	22,549	-187	-0.82%

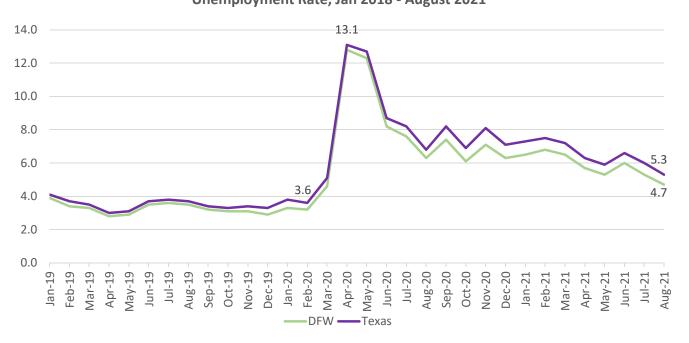
Yellow Box = Highest grade per year Green Box = Second highest grade per year

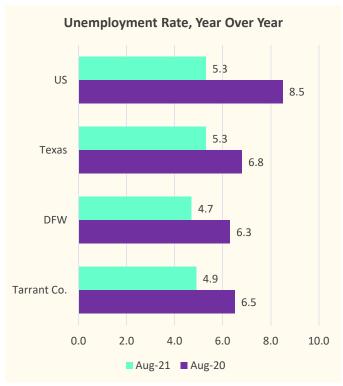
cohort	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Elem	Mid	High
3-year Avg	0.974	1.018	0.972	0.982	0.996	0.991	1.002	1.011	1.003	1.121	0.921	0.878	1.038	0.989	1.006	0.990
2018/19	1.044	1.013	1.011	1.004	0.997	1.000	1.016	0.992	0.995	1.115	0.927	0.858	1.066	1.011	1.001	0.991
2019/20	1.013	0.999	0.991	0.991	1.006	0.989	1.021	1.017	1.030	1.140	0.907	0.848	1.068	0.998	1.023	0.991
2020/21	0.888	0.991	0.963	0.955	0.966	0.965	0.968	1.001	0.987	1.048	0.935	0.952	1.072	0.955	0.985	1.002
2021/22	1.021	1.063	0.960	0.999	1.014	1.020	1.018	1.016	0.993	1.175	0.921	0.833	0.976	1.013	1.009	0.976

- Birdville ISD enrollment declined by 187 students this fall
- The district had a record 1st grade cohort as some students returned from the covid pandemic
- BISD had record low cohorts in 11th and 12th grades

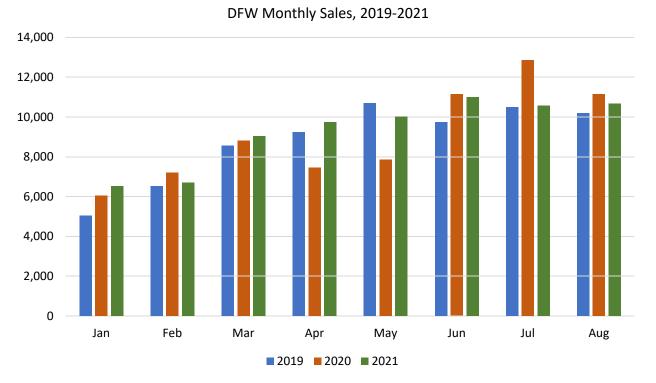
Local Economic Conditions

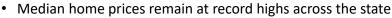




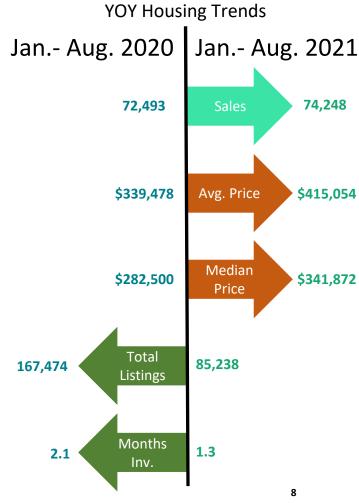


Housing Market Trends



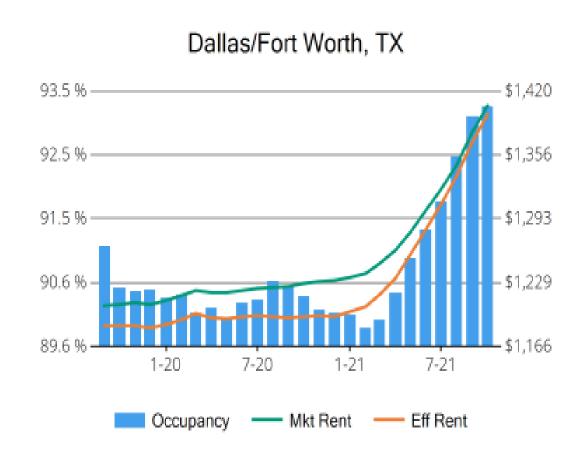


- Home inventory remains extremely tight as sales continue to outperform2019 and 2020 rates
- Home sales through August in DFW are up 2.4% from the same period in 2020
- Historically low interest rates and pent up demand have resulted in continued record levels of activity in the housing market



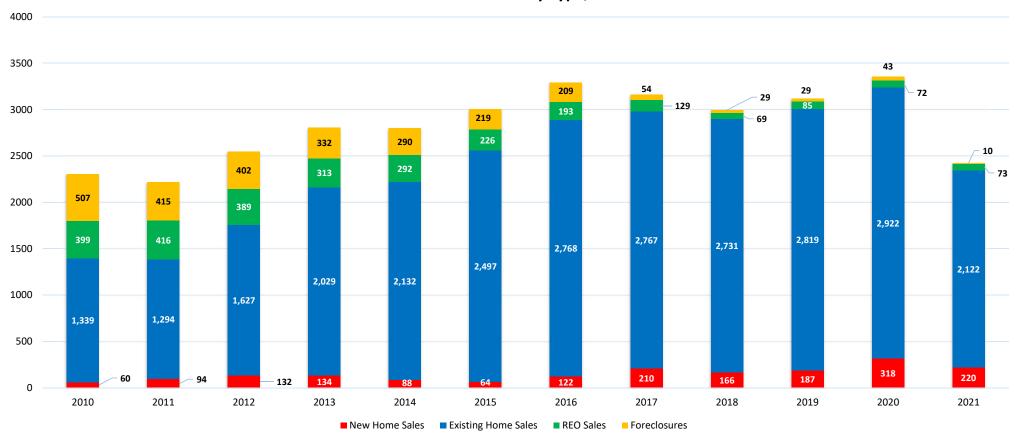
Multi-Family Housing Trends

Conventional Properties	Oct 2021	Annual Change
Occupancy	93.3	+3.2%
Unit Change	27,158	
Units Absorbed (Annual)	46,748	
Average Size (SF)	870	+0.2%
Asking Rent	\$1,405	+14.5%
Asking Rent per SF	\$1.61	+14.2%
Effective Rent	\$1,396	+16.9%
Effective Rent per SF	\$1.60	+16.6%
% Offering Concessions	10%	-69.5%
Avg. Concession Package	5.1%	-24.3%



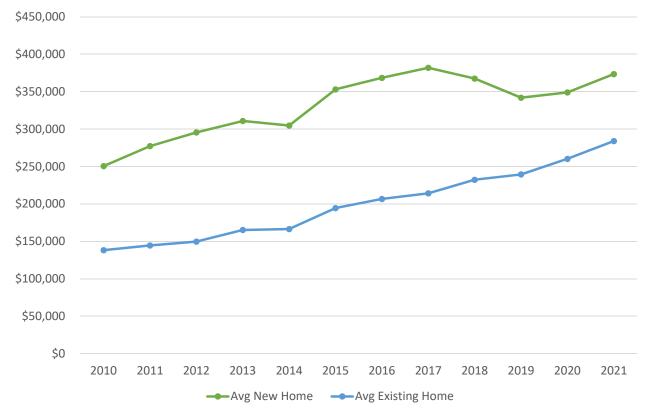
BISD Home Sale Activity

Birdville ISD Home Sales by Type, 2010 - 2021



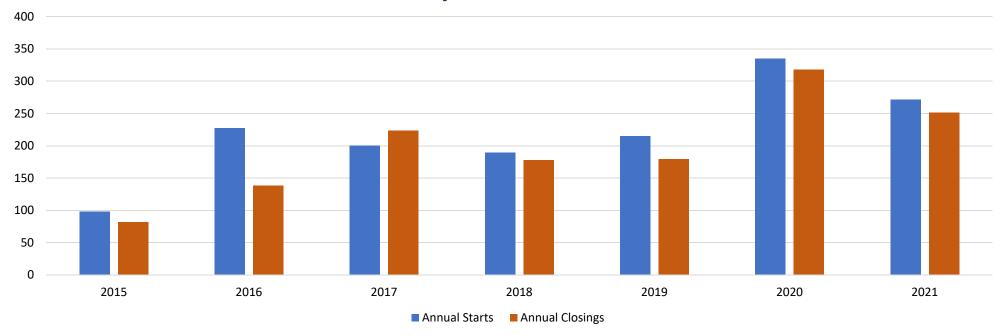
BISD Price Point Analysis





	Avg New Home	Avg Existing Home
2010	\$250,552	\$138,175
2011	\$277,260	\$144,529
2012	\$295,494	\$149,698
2013	\$310,810	\$165,221
2014	\$304,710	\$166,472
2015	\$353,077	\$194,442
2016	\$368,444	\$206,637
2017	\$381,872	\$214,195
2018	\$367,444	\$232,291
2019	\$341,971	\$239,432
2020	\$348,993	\$260,197
2021	\$373,459	\$284,028

BISD New Home Activity



Starts	2015	2016	2017	2018	2019	2020	2021
1Q	15	50	37	28	20	76	94
2Q	18	56	56	63	56	69	100
3Q	32	66	49	51	78	67	77
4Q	33	55	58	47	61	123	
Total	98	227	200	189	215	335	271

Closings	2015	2016	2017	2018	2019	2020	2021
1Q	21	20	58	50	35	49	59
2Q	29	19	78	57	40	96	94
3Q	12	54	46	38	57	92	98
4Q	20	45	41	33	47	81	
Total	82	138	223	178	179	318	251

BIRDVILLE	0	0	0	0	0	0	0	0
BINION	0	0	0	0	0	0	0	
FOSTER VILLAGE	0	0	0	0	0	0	0	0
FRANCISCO	0	0	0	0	0	0	0	0
GREEN VALLEY	0	0	3	0	0	1	4	6
HARDEMAN	0	0	0	0	0	0	0	
HOLIDAY HEIGHTS	66							
NORTH RIDGE	10	0	8	5	2	5	7	0
PORTER	2	0	5	0	0	0	0	16
SMITH	0	0	0	0	0	0	0	0
SMITHFIELD								
SPICER								
WALKER CREEK								
WEST BIRDVILLE	0	0	0	0	0	0	0	0

District Housing Overview by Elementary Zone

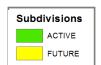
Highest activity in the category

Second highest activity in the category

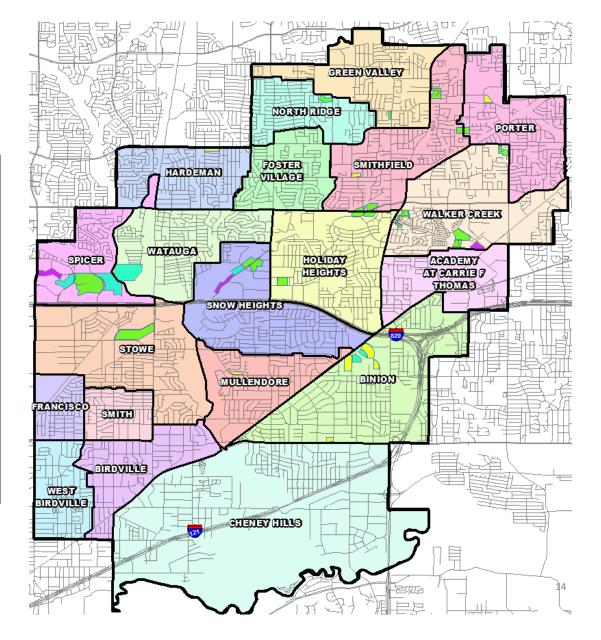
Third highest activity in the category

District Housing Overview

- The district has 13 actively building subdivisions with 359 lots available to build on
- Groundwork is underway on just under 1,100 lots
- There are 857 multi-family units under construction that will impact the district in the next 1-2 years
- There are an additional 1,915 future multi-family units in the planning stages, including 220 units in a senior complex





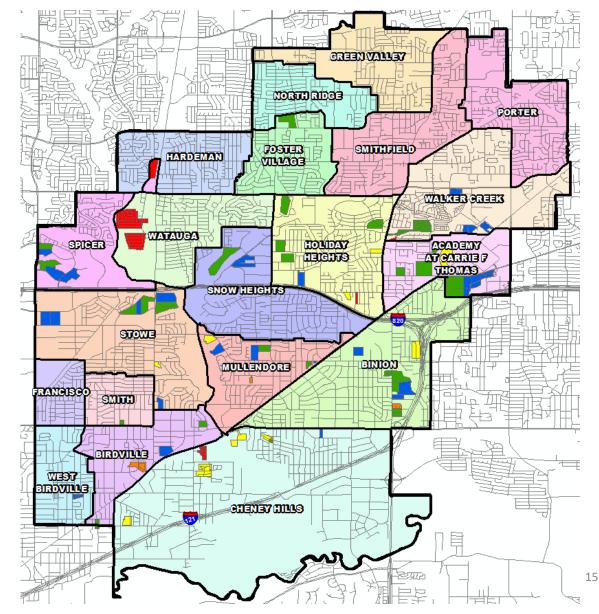


Multi-Family Yield Analysis

- There are currently 4,475 students residing within more than 15,180 units across the district
- The district average multi-family yield is 0.295
- Roughly 19.8% of the student population resides within multifamily units

0.20 - 0.40 0.40 - 0.60 0.60 - 0.80

> 0.80



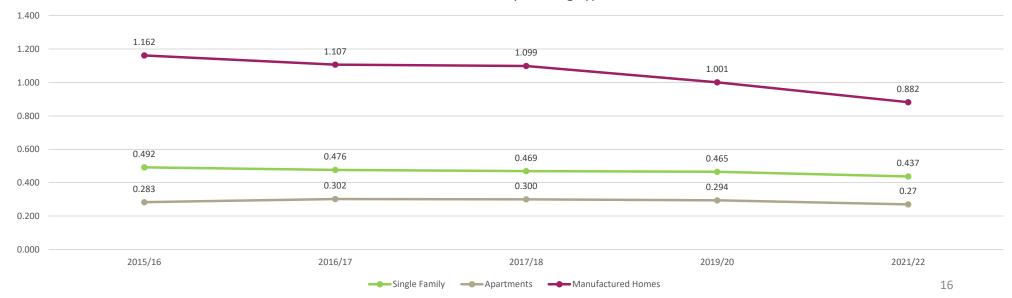
Student Yield by Housing Type





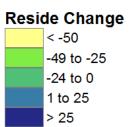


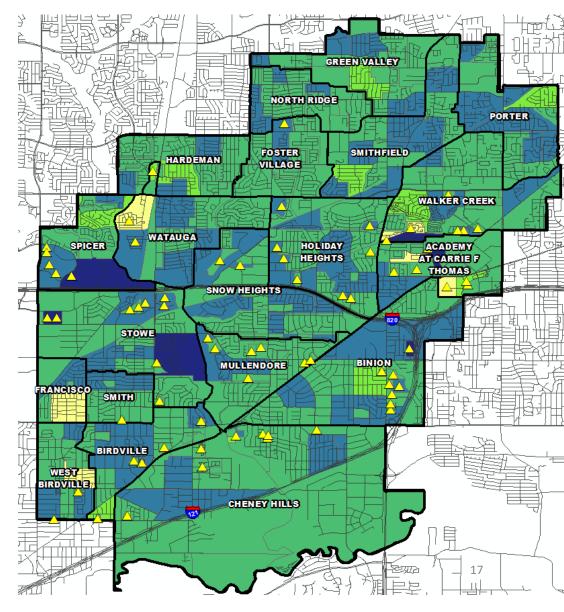
Student Yield by Housing Type



Reside Change by Planning Area 2019/20 – 2021/22

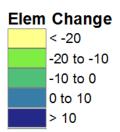
ELEMENTARY ZONE	2 YR RESIDE CHANGE
SNOW HEIGHTS	9
STOWE	-14
BINION	-21
HOLIDAY HEIGHTS	-25
MULLENDORE	-34
SMITH	-35
PORTER	-36
SMITHFIELD	-39
SPICER	-42
NORTH RIDGE	-46
HARDEMAN	-58
BIRDVILLE	-62
WATAUGA	-67
WALKER CREEK	-70
FOSTER VILLAGE	-75
FRANCISCO	-85
ACADEMY AT WEST BIRDVILLE	-97
GREEN VALLEY	-100
CHENEY HILLS	-108
ACADEMY AT CARRIE F THOMAS	-156
TOTAL	-1,161

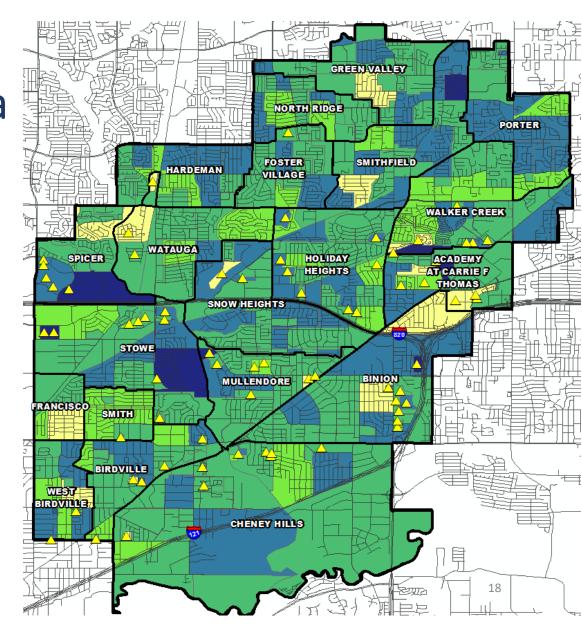




Elementary Reside Change by Planning Area 2019/20 – 2021/22

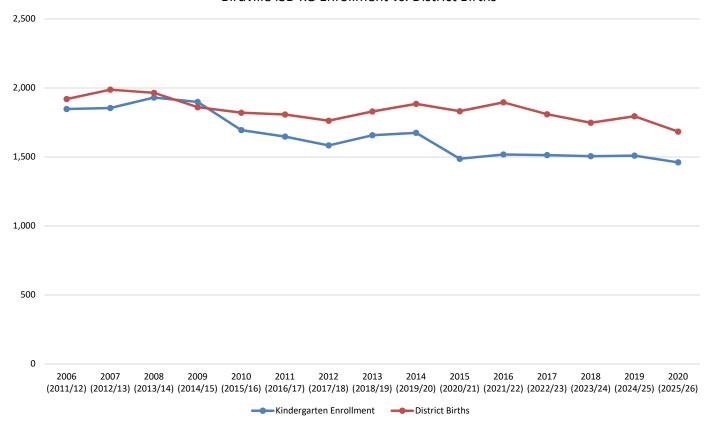
ELEMENTARY ZONE	2 YR RESIDE CHANGE
SNOW HEIGHTS	0
SMITHFIELD	-3
STOWE	-10
PORTER	-12
HARDEMAN	-20
FOSTER VILLAGE	-35
BINION	-38
GREEN VALLEY	-43
MULLENDORE	-43
HOLIDAY HEIGHTS	-44
FRANCISCO	-47
NORTH RIDGE	-54
WALKER CREEK	-55
SPICER	-56
ACADEMY AT WEST BIRDVILLE	-59
BIRDVILLE	-61
SMITH	-70
WATAUGA	-74
CHENEY HILLS	-86
ACADEMY AT CARRIE F THOMAS	-97
TOTAL	-907





Birth Rate Analysis





Birth Year (KG	Kindergarten	District	
Enrollment Year)	Enrollment	Births	Ratio
2006 (2011/12)	1,847	1,919	0.962
2007 (2012/13)	1,854	1,987	0.933
2008 (2013/14)	1,930	1,964	0.983
2009 (2014/15)	1,898	1,860	1.020
2010 (2015/16)	1,694	1,820	0.931
2011 (2016/17)	1,647	1,807	0.911
2012 (2017/18)	1,583	1,762	0.898
2013 (2018/19)	1,657	1,829	0.906
2014 (2019/20)	1,674	1,884	0.889
2015 (2020/21)	1,486	1,831	0.812
2016 (2021/22)	1,517	1,895	0.801
2017 (2022/23)	1,513	1,809	0.836
2018 (2023/24)	1,505	1,747	0.861
2019 (2024/25)	1,509	1,794	0.841
2020 (2025/26)	1,460	1,683	0.867

Ten Year Forecast by Grade Level

Moderate Growth Scenario

																	Total	%
Year (Oct.)	EE	PK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total	Growth	Growth
2017/18	158	796	1,583	1,664	1,680	1,810	1,780	1,777	1,783	1,789	1,756	2,013	1,809	1,578	1,715	23,691		
2018/19	161	829	1,652	1,603	1,682	1,687	1,804	1,780	1,805	1,769	1,780	1,958	1,866	1,552	1,682	23,610	-81	-0.34%
2019/20	165	833	1,674	1,650	1,589	1,667	1,697	1,784	1,817	1,836	1,822	2,029	1,776	1,583	1,657	23,579	-31	-0.13%
2020/21	139	546	1,486	1,659	1,589	1,518	1,611	1,637	1,727	1,818	1,812	1,910	1,897	1,690	1,697	22,736	-843	-3.58%
2021/22	88	655	1,517	1,580	1,593	1,587	1,540	1,644	1,666	1,754	1,806	2,130	1,759	1,581	1,649	22,549	-187	-0.82%
2022/23	88	691	1,513	1,528	1,577	1,588	1,602	1,556	1,669	1,695	1,751	2,045	1,965	1,495	1,635	22,397	-152	-0.67%
2023/24	88	688	1,505	1,527	1,526	1,588	1,599	1,616	1,585	1,686	1,698	1,981	1,899	1,676	1,551	22,214	-184	-0.82%
2024/25	88	687	1,509	1,511	1,520	1,543	1,605	1,606	1,632	1,604	1,693	1,925	1,836	1,620	1,754	22,133	-80	-0.36%
2025/26	88	663	1,460	1,523	1,520	1,510	1,559	1,625	1,625	1,636	1,619	1,928	1,793	1,573	1,708	21,830	-303	-1.37%
2026/27	88	677	1,492	1,472	1,527	1,524	1,515	1,564	1,653	1,639	1,645	1,842	1,793	1,535	1,651	21,617	-213	-0.98%
2027/28	88	673	1,487	1,498	1,474	1,527	1,516	1,522	1,595	1,656	1,663	1,861	1,718	1,531	1,606	21,415	-202	-0.93%
2028/29	88	690	1,532	1,490	1,488	1,463	1,516	1,517	1,561	1,610	1,678	1,886	1,735	1,472	1,606	21,332	-83	-0.39%
2029/30	88	694	1,542	1,549	1,474	1,484	1,458	1,518	1,552	1,579	1,625	1,896	1,755	1,491	1,544	21,250	-82	-0.39%
2030/31	88	707	1,569	1,560	1,539	1,475	1,478	1,465	1,554	1,571	1,595	1,838	1,766	1,506	1,563	21,274	25	0.12%
2031/32	88	712	1,584	1,584	1,546	1,533	1,465	1,483	1,501	1,571	1,588	1,803	1,712	1,517	1,578	21,265	-9	-0.04%

Ten Year Forecast by Elementary Campus

Moderate Growth Scenario

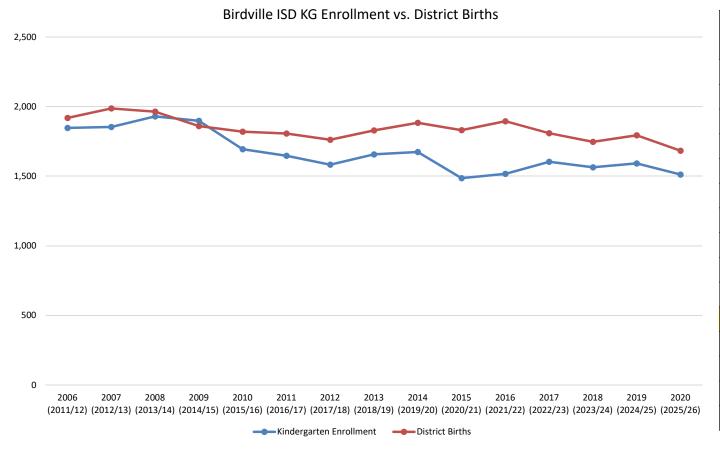
	Building	Optimal	Total Optimal		Current				ENF	OLLMENT	PROJECTIO	ONS			
CAMPUS	Capacity	Capacity	Capacity w/Portables	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
ACADEMY AT CARRIE F THOMAS	594	535	713	516	562	557	533	535	524	523	516	522	514	509	509
ALLIENE MULLENDORE ELEMENTARY	418	376	574	367	334	365	367	357	344	337	334	339	343	355	360
BIRDVILLE ELEMENTARY	726	653	653	428	429	436	429	420	406	410	408	418	434	442	442
DAVID E SMITH ELEMENTARY	484	436	594	407	388	386	375	363	354	344	354	358	361	373	381
FOSTER VILLAGE ELEMENTARY	748	673	733	379	406	402	392	378	390	387	381	385	391	400	408
GRACE E HARDEMAN ELEMENTARY	946	851	851	650	615	614	614	619	616	603	598	595	586	580	584
GREEN VALLEY ELEMENTARY	638	574	574	420	435	436	432	419	403	383	395	398	406	410	415
HOLIDAY HEIGHTS ELEMENTARY	770	693	733	523	529	518	527	533	510	525	524	526	523	516	520
JACK C BINION ELEMENTARY	836	752	752	723	728	717	716	693	680	680	680	667	665	683	694
JOHN D SPICER ELEMENTARY	704	634	634	363	380	387	398	424	428	434	424	416	413	412	421
CHENEY HILLS ELEMENTARY	858	772	772	372	594	581	569	550	544	523	528	532	538	538	546
NORTH RIDGE ELEMENTARY	660	594	594	508	492	493	492	497	510	515	499	492	488	480	473
O H STOWE ELEMENTARY	814	733	733	609	641	645	675	681	690	697	692	676	661	659	654
RICHLAND ELEMENTARY	572	515	515	267	0	0	0	0	0	0	0	0	0	0	0
SMITHFIELD ELEMENTARY	858	772	772	500	559	599	616	639	635	623	606	594	586	584	598
SNOW HEIGHTS ELEMENTARY	506	455	455	368	375	353	361	358	375	372	374	382	389	400	410
W A PORTER ELEMENTARY	594	535	535	543	533	521	526	521	510	497	488	485	494	493	494
W T FRANCISCO ELEMENTARY	396	356	515	344	367	378	377	376	362	354	358	353	354	350	346
WALKER CREEK ELEMENTARY	792	713	713	459	436	418	402	399	405	392	392	401	405	414	423
WATAUGA ELEMENTARY	968	871	1,109	740	737	697	691	682	654	663	647	655	667	677	692
WEST BIRDVILLE ELEMENTARY	858	772	772	699	664	641	645	625	606	599	589	591	590	608	625
ELEMENTARY SCHOOL TOTALS	14,740	13,265	14,296	10,185	10,204	10,143	10,137	10,069	9,948	9,859	9,785	9,784	9,807	9,881	9,995
Elementary Absolute Growth				-874	19	-61	-6	-69	-120	-89	-74	-1	24	74	114
Elementary Percent Growth				-7.90%	0.19%	-0.60%	-0.05%	-0.68%	-1.20%	-0.90%	-0.75%	-0.02%	0.24%	0.75%	1.15%

Ten Year Forecast by Secondary Campus

Moderate Growth Scenario

	Building	Optimal	Total Optimal		Current				ENR	OLLMENT	PROJECTI	ONS			
CAMPUS	Capacity	Capacity	Capacity w/Portables	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
HALTOM MIDDLE SCHOOL	1,075	968	968	968	1,001	956	914	898	923	945	898	856	818	807	801
NORTH OAKS MIDDLE SCHOOL	575	686	923	543	540	515	485	463	463	466	482	485	501	495	479
NORTH RICHLAND MIDDLE SCHOOL	1,000	900	900	904	867	907	930	957	933	942	922	908	905	918	915
NORTH RIDGE MIDDLE SCHOOL	1,000	900	900	689	653	649	622	632	610	631	614	621	593	586	581
RICHLAND MIDDLE SCHOOL	1,075	968	968	702	658	615	585	554	540	516	517	501	502	494	488
SMITHFIELD MIDDLE SCHOOL	1,050	945	945	859	831	817	804	808	817	850	872	882	843	836	808
WATAUGA MIDDLE SCHOOL	1,125	1,013	1,063	692	676	656	629	617	594	587	609	596	594	584	588
MIDDLE SCHOOL TOTALS	6,900	6,380	6,667	5,357	5,226	5,115	4,969	4,929	4,880	4,937	4,914	4,849	4,756	4,720	4,660
Middle School Absolute Growth				-118	-131	-111	-146	-40	-49	57	-23	-65	-93	-36	-60
Middle School Percent Growth				-2.16%	-2.45%	-2.12%	-2.85%	-0.80%	-0.99%	1.17%	-0.47%	-1.32%	-1.92%	-0.76%	-1.27%
BIRDVILLE HIGH SCHOOL	2,425	2,183	2,183	2,060	2,064	2,124	2,136	2,167	2,084	2,045	1,976	1,979	2,001	1,998	2,024
HALTOM HIGH SCHOOL	2,825	2,627	2,768	2,834	2,816	2,866	2,864	2,886	2,835	2,703	2,633	2,597	2,554	2,547	2,499
RICHLAND HIGH SCHOOL	2,500	2,250	2,250	2,189	2,115	2,025	1,983	1,958	1,959	1,949	1,983	1,999	2,007	2,004	1,963
SHANNON HIGH SCHOOL				109	123	123	123	123	123	123	123	123	123	123	123
HIGH SCHOOL TOTALS	7,750	7,060	7,201	7,192	7,118	7,138	7,106	7,134	7,001	6,820	6,715	6,698	6,685	6,672	6,609
High School Absolute Growth				147	-74	20	-32	28	-133	-181	-105	-17	-13	-13	-63
High School Percent Growth				2.09%	-1.03%	0.28%	-0.45%	0.39%	-1.86%	-2.59%	-1.54%	-0.25%	-0.19%	-0.19%	-0.94%
TARRANT COUNTY JJAEP				2	1	2	1	1	1	1	1	1	1	1	1
DISTRICT TOTALS	29,390	26,705	28,164	22,736	22,549	22,397	22,214	22,133	21,830	21,617	21,415	21,332	21,250	21,274	21,265
District Absolute Growth				-843	-187	-152	-184	-80	-303	-213	-202	-83	-82	25	-9
District Percent Growth				-3.6%	-0.8%	-0.7%	-0.8%	-0.4%	-1.4%	-1.0%	-0.9%	-0.4%	-0.4%	0.1%	0.0%

Birth Rate Analysis- High Growth Scenario



Birth Year (KG Enrollment Year)	Kindergarten Enrollment	District Births	Ratio
2006 (2011/12)	1,847	1,919	0.962
2007 (2012/13)	1,854	1,987	0.933
2008 (2013/14)	1,930	1,964	0.983
2009 (2014/15)	1,898	1,860	1.020
2010 (2015/16)	1,694	1,820	0.931
2011 (2016/17)	1,647	1,807	0.911
2012 (2017/18)	1,583	1,762	0.898
2013 (2018/19)	1,657	1,829	0.906
2014 (2019/20)	1,674	1,884	0.889
2015 (2020/21)	1,486	1,831	0.812
2016 (2021/22)	1,517	1,895	0.801
2017 (2022/23)	1,604	1,809	0.887
2018 (2023/24)	1,564	1,747	0.895
2019 (2024/25)	1,592	1,794	0.887
2020 (2025/26)	1,512	1,683	0.898
2008 (2013/14) 2009 (2014/15) 2010 (2015/16) 2011 (2016/17) 2012 (2017/18) 2013 (2018/19) 2014 (2019/20) 2015 (2020/21) 2016 (2021/22) 2017 (2022/23) 2018 (2023/24) 2019 (2024/25)	1,930 1,898 1,694 1,647 1,583 1,657 1,674 1,486 1,517 1,604 1,564 1,592	1,964 1,860 1,820 1,807 1,762 1,829 1,884 1,831 1,895 1,809 1,747 1,794	0.983 1.020 0.931 0.911 0.898 0.906 0.889 0.812 0.801 0.887

Ten Year Forecast by Grade Level

High Growth Scenario

																	Total	%
Year (Oct.)	EE	PK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total	Growth	Growth
2017/18	158	796	1,583	1,664	1,680	1,810	1,780	1,777	1,783	1,789	1,756	2,013	1,809	1,578	1,715	23,691		
2018/19	161	829	1,652	1,603	1,682	1,687	1,804	1,780	1,805	1,769	1,780	1,958	1,866	1,552	1,682	23,610	-81	-0.34%
2019/20	165	833	1,674	1,650	1,589	1,667	1,697	1,784	1,817	1,836	1,822	2,029	1,776	1,583	1,657	23,579	-31	-0.13%
2020/21	139	546	1,486	1,659	1,589	1,518	1,611	1,637	1,727	1,818	1,812	1,910	1,897	1,690	1,697	22,736	-843	-3.58%
2021/22	88	655	1,517	1,580	1,593	1,587	1,540	1,644	1,666	1,754	1,806	2,130	1,759	1,581	1,649	22,549	-187	-0.82%
2022/23	88	728	1,604	1,528	1,577	1,588	1,602	1,556	1,669	1,695	1,751	2,045	1,965	1,495	1,681	22,571	22	0.10%
2023/24	88	712	1,564	1,619	1,526	1,588	1,599	1,616	1,585	1,686	1,698	1,981	1,899	1,676	1,594	22,431	-140	-0.62%
2024/25	88	721	1,592	1,571	1,611	1,543	1,605	1,606	1,632	1,604	1,693	1,925	1,836	1,620	1,780	22,427	-4	-0.02%
2025/26	88	685	1,512	1,608	1,578	1,602	1,559	1,625	1,625	1,636	1,619	1,928	1,793	1,573	1,724	22,155	-272	-1.21%
2026/27	88	712	1,577	1,524	1,613	1,582	1,608	1,564	1,653	1,639	1,645	1,842	1,793	1,535	1,682	22,057	-98	-0.44%
2027/28	88	714	1,590	1,583	1,526	1,612	1,574	1,615	1,595	1,656	1,663	1,861	1,718	1,531	1,637	21,963	-94	-0.43%
2028/29	88	731	1,636	1,593	1,572	1,514	1,601	1,576	1,657	1,610	1,678	1,886	1,735	1,472	1,636	21,985	22	0.10%
2029/30	88	735	1,647	1,653	1,576	1,567	1,509	1,603	1,611	1,678	1,625	1,896	1,755	1,491	1,573	22,008	23	0.10%
2030/31	88	743	1,659	1,665	1,640	1,576	1,561	1,516	1,641	1,630	1,694	1,838	1,766	1,506	1,593	22,116	108	0.49%
2031/32	88	748	1,675	1,674	1,649	1,633	1,567	1,565	1,552	1,661	1,648	1,916	1,712	1,517	1,607	22,213	97	0.44%

Yellow box = largest grade per year Green box = second largest grade per year

Ten Year Forecast by Elementary Campus

High Growth Scenario

	Building	Optimal	Total Optimal		Current				ENR	OLLMENT	PROJECTI	ONS			
CAMPUS	Capacity	Capacity	Capacity w/Portables	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
ACADEMY AT CARRIE F THOMAS	594	535	713	516	562	565	546	554	546	551	550	552	547	539	540
ALLIENE MULLENDORE ELEMENTARY	418	376	574	367	334	369	373	365	353	349	347	351	356	367	375
BIRDVILLE ELEMENTARY	726	653	653	428	429	442	437	430	417	425	429	441	460	467	470
DAVID E SMITH ELEMENTARY	484	436	594	407	388	392	381	373	365	358	371	375	381	391	397
FOSTER VILLAGE ELEMENTARY	748	673	733	379	406	408	398	387	401	401	401	406	416	424	434
GRACE E HARDEMAN ELEMENTARY	946	851	851	650	615	621	625	635	636	631	634	633	628	623	630
GREEN VALLEY ELEMENTARY	638	574	574	420	435	439	437	427	412	394	409	412	421	424	430
HOLIDAY HEIGHTS ELEMENTARY	770	693	733	523	529	525	533	545	523	541	544	547	546	539	544
JACK C BINION ELEMENTARY	836	752	752	723	728	725	728	712	702	709	716	704	706	723	737
JOHN D SPICER ELEMENTARY	704	634	634	363	380	392	407	436	441	450	445	436	435	433	443
CHENEY HILLS ELEMENTARY	858	772	772	372	594	585	575	559	554	537	547	553	559	558	568
NORTH RIDGE ELEMENTARY	660	594	594	508	492	500	501	511	527	537	528	524	521	512	507
O H STOWE ELEMENTARY	814	733	733	609	641	653	688	700	714	729	732	715	703	702	699
RICHLAND ELEMENTARY	572	515	515	267	0	0	0	0	0	0	0	0	0	0	0
SMITHFIELD ELEMENTARY	858	772	772	500	559	608	629	657	656	651	642	632	628	628	643
SNOW HEIGHTS ELEMENTARY	506	455	455	368	375	357	369	371	392	394	401	408	417	428	440
W A PORTER ELEMENTARY	594	535	535	543	533	527	534	534	524	515	512	509	520	520	526
W T FRANCISCO ELEMENTARY	396	356	515	344	367	385	385	388	376	372	379	373	375	370	367
WALKER CREEK ELEMENTARY	792	713	713	459	436	422	409	410	418	409	413	424	429	441	452
WATAUGA ELEMENTARY	968	871	1,109	740	737	707	704	702	677	693	684	693	708	717	736
WEST BIRDVILLE ELEMENTARY	858	772	772	699	664	648	654	641	623	622	619	622	623	641	659
ELEMENTARY SCHOOL TOTALS	14,740	13,265	14,296	10,185	10,204	10,271	10,312	10,337	10,257	10,268	10,302	10,311	10,378	10,448	10,599
Elementary Absolute Growth				-874	19	67	41	25	-80	11	34	9	68	69	152
Elementary Percent Growth				-7.90%	0.19%	0.65%	0.40%	0.24%	-0.77%	0.10%	0.33%	0.09%	0.66%	0.67%	1.45%

Ten Year Forecast by Secondary Campus

High Growth Scenario

	Building	Optimal	Total Optimal		Current				ENR	OLLMENT	PROJECTI	ONS			
CAMPUS	Capacity	Capacity	Capacity w/Portables	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32
HALTOM MIDDLE SCHOOL	1,075	968	968	968	1,001	956	914	898	923	945	898	872	843	847	834
NORTH OAKS MIDDLE SCHOOL	575	686	923	543	540	515	485	463	463	466	482	496	517	520	499
NORTH RICHLAND MIDDLE SCHOOL	1,000	900	900	904	867	907	930	957	933	942	922	925	935	965	954
NORTH RIDGE MIDDLE SCHOOL	1,000	900	900	689	653	649	622	632	610	631	614	633	612	616	604
RICHLAND MIDDLE SCHOOL	1,075	968	968	702	658	615	585	554	540	516	517	513	521	524	511
SMITHFIELD MIDDLE SCHOOL	1,050	945	945	859	831	817	804	808	817	850	872	898	871	877	844
WATAUGA MIDDLE SCHOOL	1,125	1,013	1,063	692	676	656	629	617	594	587	609	608	615	616	615
MIDDLE SCHOOL TOTALS	6,900	6,380	6,667	5,357	5,226	5,115	4,969	4,929	4,880	4,937	4,914	4,945	4,914	4,965	4,861
Middle School Absolute Growth				-118	-131	-111	-146	-40	-49	57	-23	31	-31	51	-104
Middle School Percent Growth				-2.16%	-2.45%	-2.12%	-2.85%	-0.80%	-0.99%	1.17%	-0.47%	0.63%	-0.63%	1.04%	-2.09%
BIRDVILLE HIGH SCHOOL	2,425	2,183	2,183	2,060	2,064	2,138	2,148	2,176	2,089	2,055	1,985	1,988	2,010	2,007	2,067
HALTOM HIGH SCHOOL	2,825	2,627	2,768	2,834	2,816	2,884	2,881	2,896	2,842	2,715	2,646	2,609	2,565	2,559	2,557
RICHLAND HIGH SCHOOL	2,500	2,250	2,250	2,189	2,115	2,039	1,997	1,965	1,963	1,958	1,992	2,008	2,016	2,013	2,004
SHANNON HIGH SCHOOL				109	123	123	123	123	123	123	123	123	123	123	123
HIGH SCHOOL TOTALS	7,750	7,060	7,201	7,192	7,118	7,184	7,149	7,160	7,017	6,851	6,746	6,728	6,714	6,702	6,751
High School Absolute Growth				147	-74	66	-35	11	-143	-166	-105	-18	-14	-12	49
High School Percent Growth				2.09%	-1.03%	0.93%	-0.49%	0.15%	-2.00%	-2.37%	-1.53%	-0.27%	-0.21%	-0.18%	0.73%
TARRANT COUNTY JJAEP				2	1	2	1	1	1	1	1	1	1	1	1
DISTRICT TOTALS	29,390	26,705	28,164	22,736	22,549	22,571	22,431	22,427	22,155	22,057	21,963	21,985	22,008	22,116	22,213
District Absolute Growth				-843	-187	22	-140	-4	-272	-98	-94	22	23	108	97
District Percent Growth				-3.6%	-0.8%	0.1%	-0.6%	0.0%	-1.2%	-0.4%	-0.4%	0.1%	0.1%	0.5%	0.4%

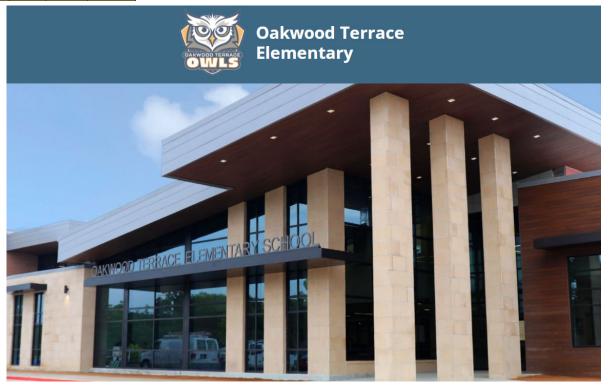
Rebuilt Campus- Case Study

OAKWOOD TERRACE ELEMENTARY SCHOOL

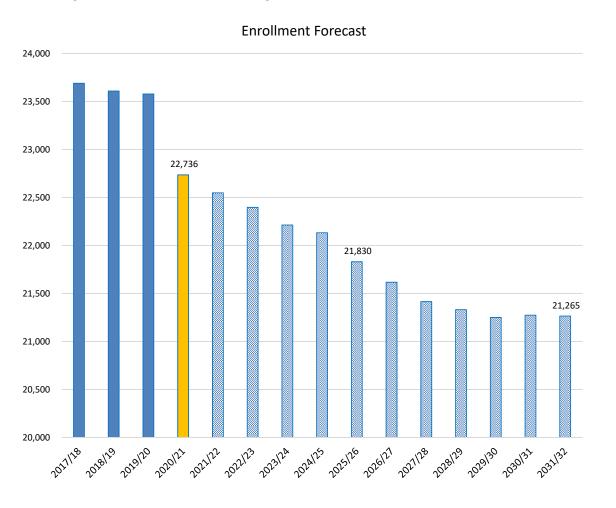
												Total	
Year (Oct.)	Capacity	EE	PK	K	1st	2nd	3rd	4th	5th	6th	Total	Growth	% Growth
2017/18	664	29	86	71	64	60	72	75	70	73	600		
2018/19	664	33	83	76	75	65	71	73	79	74	629	29	4.8%
2019/20	664	23	82	73	78	77	65	75	75	76	624	-5	-0.8%
2020/21	664	23	58	69	72	66	82	62	65	74	571	-53	-8.5%
2021/22	900	14	86	96	98	93	73	91	77	79	707	136	23.8%

Reside 18/19: 595 Reside 19/20: 569 Reside 20/21: 548 Reside 21/22: 585



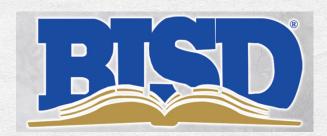


Key Takeaways



- The housing market remains white hot as inventory is crunched by a lack of existing homes on the market
- DFW has seen record home price appreciation between 2020 and 2021
- Birdville ISD enrollment continues to be impacted by the pandemic and rising home and rent prices
- Housing affordability may be displacing younger families
- In a moderate growth scenario, 2026/27 enrollment of 21,830
- KG capture rate will play a large role in future enrollment

Questions Comments Feedback



Review of Existing Debt Portfolio and Preliminary Bond Capacity Analysis









Josh McLaughlin BOK Financial Securities, Inc.

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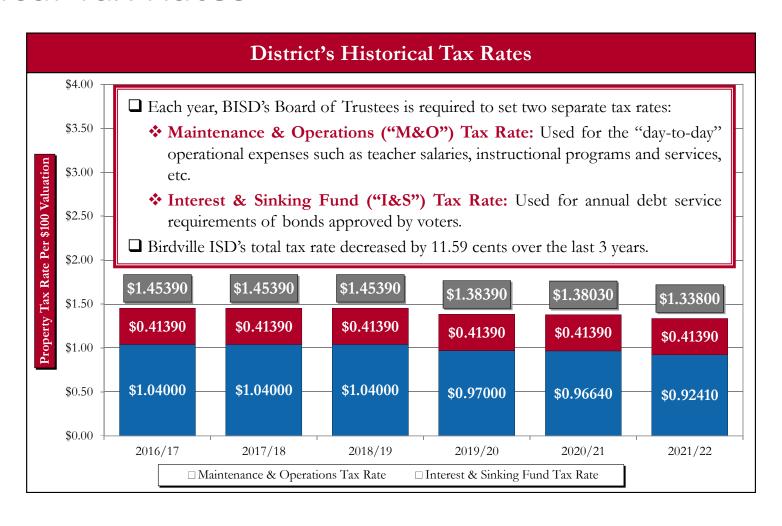


Savings from District's Debt Management Practices

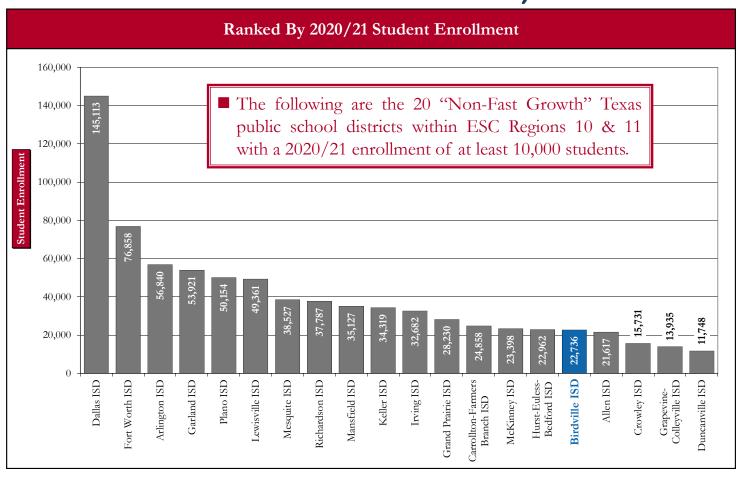
Birdville Independent School District ("BISD" or the "District") has actively deployed various debt management practices to lower the borrowing costs of taxpayers. Such actions have provided the District's taxpayers with approximately \$32.63 million of direct savings since year 2012.

Summary of Interest Cost Savings – Bond Refu	nding Programs /	Pro	epayment o	f Bo	onds
		F	ar Amount		
	Series Refunded /		Refunded /		
Issue / Description	Redeemed		Redeemed	To	otal Savings
Unlimited Tax Refunding Bonds, Series 2012	2006	\$	23,215,000	\$	2,352,288
Unlimited Tax Refunding Bonds, Series 2014	2004		20,675,000		1,076,754
Unlimited Tax Refunding Bonds, Series 2015-B	2007, 2008-A		98,312,148		14,931,944
Total - Bond Refunding Programs at a Lower Interest Rate		\$	142,202,148	\$	18,360,986
Prepayment of Series 2008-A Bonds - February 2014	2008-A	\$	4,400,000	\$	3,873,500
Prepayment of Series 2007 & 2008-A Bonds - February 2015	2007, 2008-A		5,230,000		3,963,000
Prepayment of Series 2007 Bonds - February 2016	2007		1,140,000		798,000
Prepayment of Series 2007 Bonds - February 2018	2007		1,048,105		315,306
Prepayment of Series 2007 Bonds - February 2019	2007		4,477,911		2,152,754
Prepayment of Series 2007 Bonds - February 2020	2007		2,165,000		712,156
Prepayment of Series 2019 Bonds - February 2022	2019		2,975,000		2,454,375
Total - Prepayment of Bonds Prior to Scheduled Maturity		\$	21,436,016	\$	14,269,091
Totals		\$	163,638,164	\$	32,630,077

Historical Tax Rates

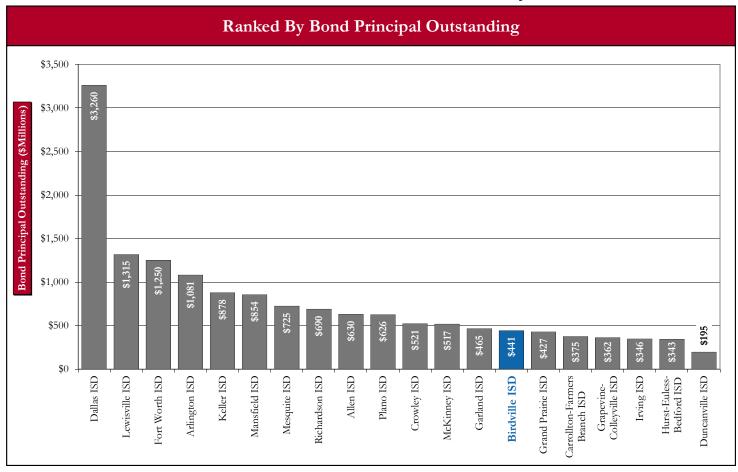


Comparison of Non-Fast Growth D/FW School Districts: Enrollment of at Least 10,000 Students



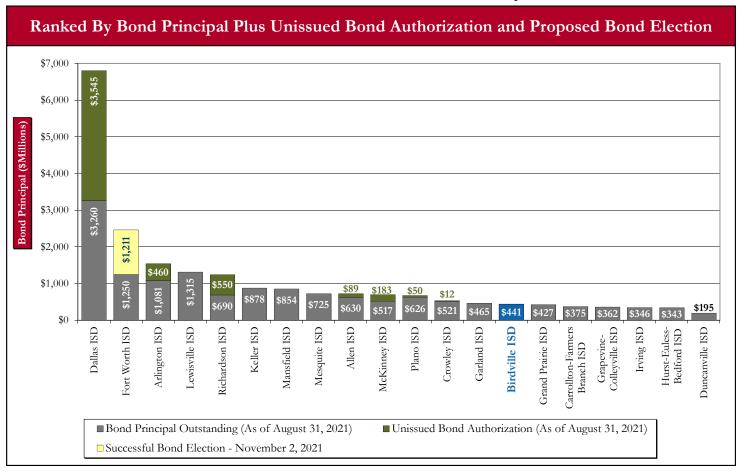
Source: Texas Education Agency - PEIMS.

Comparison of Non-Fast Growth D/FW School Districts: Enrollment of at Least 10,000 Students



Source: The Municipal Advisory Council of Texas - As of August 31, 2021. Includes Voted and M&O debt.

Comparison of Non-Fast Growth D/FW School Districts: Enrollment of at Least 10,000 Students



Source: The Municipal Advisory Council of Texas - As of August 31, 2021. Includes Voted and M&O debt.

General Information and Bond Capacity Considerations

☐ The results of Birdville ISD's bond elections over the last 20 years are as follows:

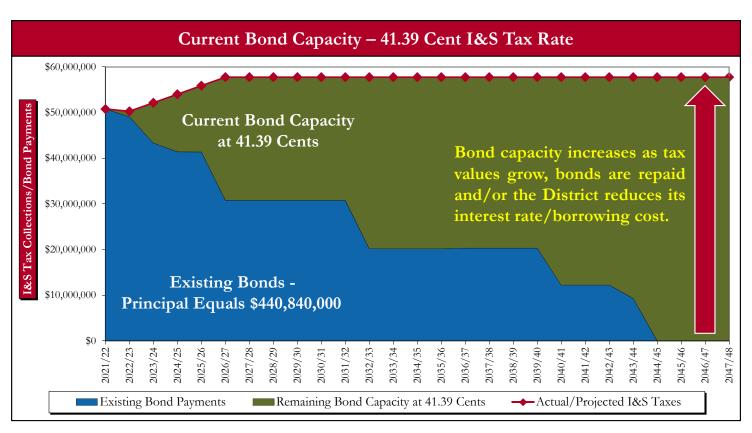
	D	Pistrict's Historical Bond Ele	ction Resi	ults	– Last 20 Yea	rs		
Election Date	Proposition Number	Purpose	Result	Ele	ection Amount	Votes For	Votes Against	Approval Rate
November 6, 2018	1	School Building and Renovations	Carried	\$	252,802,490	26,670	9,826	73.08%
November 4, 2014	1	School Building and Technology	Carried		163,200,000	16,844	8,397	66.73%
May 11, 2013	1	Technology and Security	Defeated		183,200,000	3,269	4,354	42.88%
November 7, 2006	1	School Building and Renovations	Carried		128,600,000	13,209	10,366	56.03%
September 10, 2005	1 of 3	School Building	Defeated		147,255,000	2,946	3,439	46.14%
September 10, 2005	2 of 3	Renovations and Technology	Carried		40,315,000	3,213	3,175	50.30%
September 10, 2005	3 of 3	Athletic Facilities	Defeated		27,430,000	2,787	3,605	43.60%
			Total	\$	942,802,490			

□ Bond Capacity Considerations:

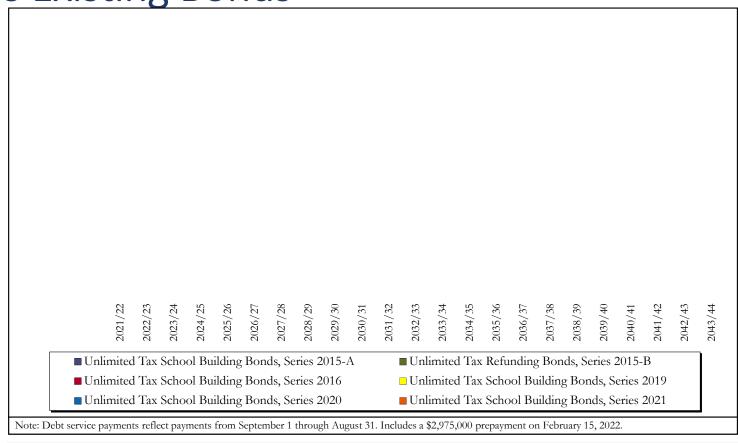
- Pursuant to State law, the District may only issue new bonds to the degree it can demonstrate its I&S tax rate will not exceed 50.0 cents (the so-called State-mandated "50-Cent Debt Test").
- However, there is not a limit on the amount of bonds that may be authorized in a bond election.

What is Bond Capacity?

Bond capacity refers to Birdville ISD's capacity to issue new bonds in light of the limitations imposed by the State-mandated "50-Cent Debt Test" and the District's I&S tax rate.



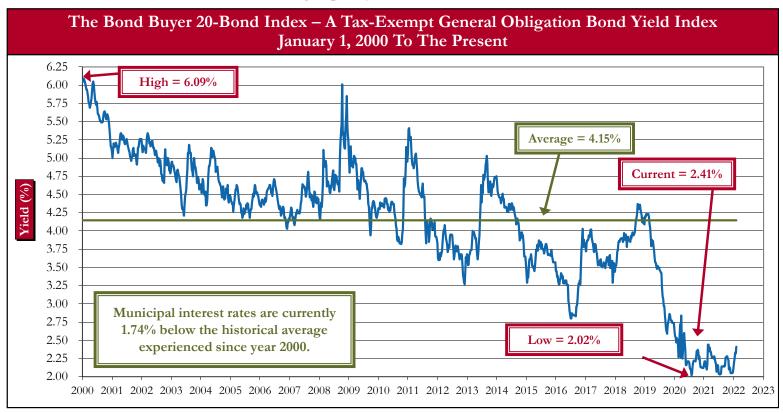
Bond Capacity Factors: Dollar Amount and Structure of District's Existing Bonds



BISD has a total principal amount of existing bonds equal to \$408,955,000 as of February 15, 2022.

Bond Capacity Factors: Current Market, Fixed Rates of Interest

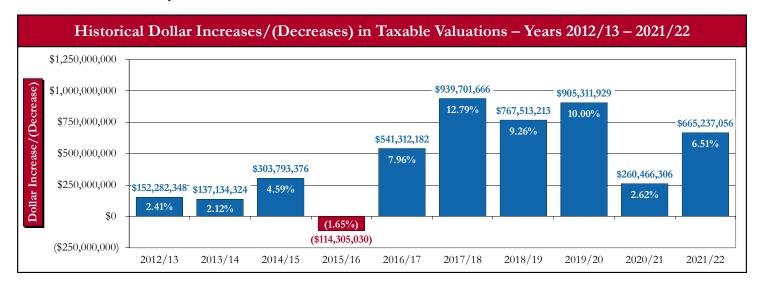
As demonstrated by the Bond Buyer 20-Bond Index below, municipal fixed rates of interest remain historically attractive. Generally speaking, the lower the interest rate, the more borrowing capacity available to the District.



Source: The Bond Buyer.

Bond Capacity Factors: District's Historical Taxable Assessed Valuation

- ☐ The value of Birdville ISD's tax base is the primary factor impacting BISD's bond capacity, as this determines the annual revenues generated from the District's I&S tax rate.
- ☐ BISD's taxable assessed valuation (net of frozen values) is \$10,883,268,496 for year 2021/22.
- ☐ The following summarizes certain taxable value growth statistics over the last decade:
 - Maximum tax base increase occurred in Year 2017/18: \$939,701,666 or 12.79%;
 - Average tax base increase last 10 years: \$455,844,737 or 5.58%; and
 - Average tax base increase last 5 years: \$707,646,034 or 8.18%.



Source: Tarrant Appraisal District - July certified values. Represents 100% of "certified" tax values and 70% of "incomplete" and "ARB" tax values.

Preliminary Bond Capacity Analysis

This Preliminary Bond Capacity Analysis is based upon the assumptions summarized herein. To the extent the District's actual results differ from the assumptions herein, the financial impact to Birdville ISD will correspondingly change.

☐ Scenarios Presented – Potential New Bond Program

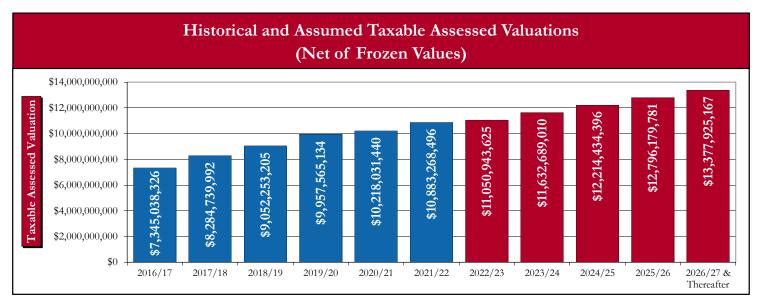
- Determine Birdville ISD's projected bond capacity for a November 2022 bond election at a maximum I&S tax rate of:
 - **Scenario 1:** 41.39 cents (i.e., no tax rate increase); and
 - **Scenario 2: 50.0 cents** (i.e., 8.61 cent tax rate increase).

Preliminary Bond Capacity Analysis

☐ Assumptions

- The new bond program is sold in February 2023 at an interest rate of 4.00% (current market rates of interest are approximately 2.95%).
- The new bond program will initially be structured with annual principal payments over the next 25 years (i.e., final maturity of February 15, 2048). However, the District will have the flexibility to prepay the bonds prior to scheduled maturity, without penalty.
- BISD will not receive any State assistance for the repayment of bonds.
- Tax collection rate of 99.0%.
- As a result of SB 1, Birdville ISD will lose an estimated \$414,070,257 of tax value in year 2022/23 when the State-mandated residential homestead exemption increases to \$40,000 from \$25,000.

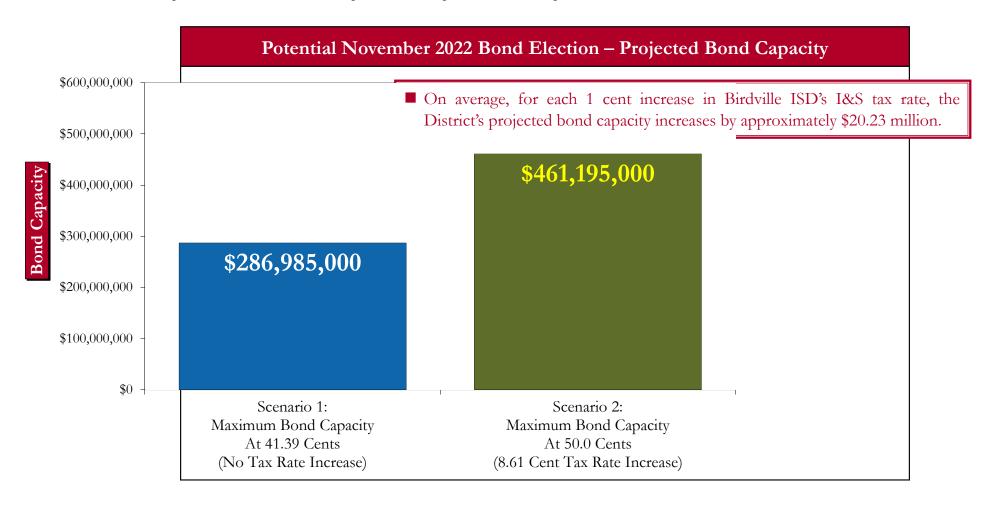
Summary of Assumed Taxable Assessed Valuation



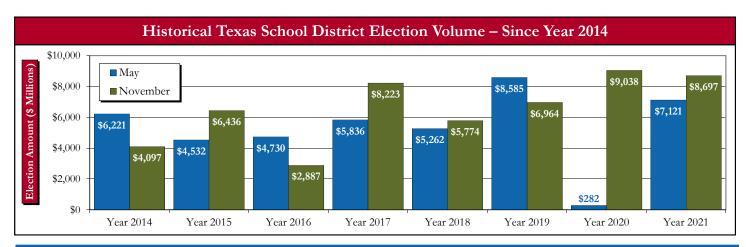
Fiscal Year Taxable Assessed Valuation Dollar Change Percentage Change	2016/17 \$7,345,038,326 \$ %	2017/18 \$8,284,739,992 \$939,701,666 12.79%	2018/19 \$9,052,253,205 \$767,513,213 9.26%	2019/20 \$9,957,565,134 \$905,311,929 10.00%	2020/21 \$10,218,031,440 \$260,466,306 2.62%	2021/22 \$10,883,268,496 \$665,237,056 6.51%	Average Annual Increase – Years 2017/18 – 2021/22 \$707,646,034 8.18%
Fiscal Year Taxable Assessed Valuation Dollar Change Percentage Change	2022/23 \$11,050,943,625 \$167,675,129 1.54%	2023/24 \$11,632,689,010 \$581,745,386 5.26%	2024/25 \$12,214,434,396 \$581,745,386 5.00%	2025/26 \$12,796,179,781 \$581,745,386 4.76%	2026/27 \$13,377,925,167 \$581,745,386 4.55%	2027/28 & Thereafter \$13,377,925,167 \$ %	Average Annual Increase – Years 2022/23 – 2026/27 \$498,931,334 4.21%

Historical values are provided by Tarrant Appraisal District.

Preliminary Bond Capacity Analysis



Historical Texas School District Bond Elections



Historical Texas School District Bond Election Results							
N/	No. Of					ns Approved	
Year	Elections	Of Elections	Propositions	Dollar Amount	Percentage	Number	Percentage
2014	127	\$ 10,318,550,976	138	\$ 9,412,896,675	91.2%	110	79.7%
2015	126	10,968,064,264	139	9,644,168,689	87.9%	114	82.0%
2016	110	7,617,304,038	127	6,985,124,038	91.7%	96	75.6%
2017	128	14,058,707,791	145	11,803,977,500	84.0%	99	68.3%
2018	105	11,036,331,959	123	9,988,977,659	90.5%	91	74.0%
2019	127	15,549,604,220	131	11,771,420,085	75.7%	99	75.6%
2020	44	9,320,371,214	80	7,793,163,864	83.6%	51	63.8%
2021	129	15,817,637,080	237	11,821,967,158	74.7%	156	65.8%
Totals	896	\$ 94,686,571,542	1,120	\$ 79,221,695,668	83.7%	816	72.9%

Source: The Municipal Advisory Council of Texas, Texas Bond Review Board, Texas Comptroller of Public Accounts and Various Other Sources.

ESC Region 10 and 11 Texas School Districts – Successful Bond Elections Over \$100 Million Since Year 2017

Since year 2017, Texas school districts within Education Service Center Regions 10 and 11 have held 38 successful bond elections over \$100 million, totaling \$19,291,360,490.

Texas School Districts Within Region 10 and 11 Education Service Centers – 38 Successful Bond Elections Over \$100 Million Since Year 2017 Totaling \$19,291,360,490							
No.	School District	Election Date	Bonds Approved	No.	School District	Election Date	Bonds Approved
1	Dallas ISD	November 3, 2020	\$ 3,541,600,000	20	Keller ISD	November 5, 2019	\$ 315,000,000
2	Prosper ISD	May 4, 2019	1,337,000,000	21	Mansfield ISD	May 6, 2017	275,000,000
3	Fort Worth ISD	November 2, 2021	1,211,000,000	22	McKinney ISD	May 1, 2021	275,000,000
4	Arlington ISD	November 5, 2019	966,000,000	23	Birdville ISD	November 6, 2018	252,802,490
5	Denton ISD	May 5, 2018	750,500,000	24	Little Elm ISD	November 7, 2017	239,500,000
6	Richardson ISD	May 1, 2021	750,000,000	25	Princeton ISD	May 4, 2019	237,400,000
7	Fort Worth ISD	November 7, 2017	749,735,000	26	Royse City ISD	May 1, 2021	230,000,000
8	Lewisville ISD	May 6, 2017	737,550,000	27	Allen ISD	November 3, 2020	214,313,000
9	Northwest ISD	May 1, 2021	737,500,000	28	Carroll ISD	May 6, 2017	208,000,000
10	Frisco ISD	November 6, 2018	691,000,000	29	Hurst-Euless-Bedford ISD	May 5, 2018	199,000,000
11	Forney ISD	November 5, 2019	623,000,000	30	Wylie ISD	May 4, 2019	193,700,000
12	Celina ISD	May 4, 2019	600,000,000	31	Sherman ISD	November 7, 2017	176,000,000
13	Eagle MtnSaginaw ISD	November 7, 2017	524,755,000	32	Godley ISD	May 1, 2021	168,500,000
14	Rockwall ISD	November 2, 2021	475,845,000	33	Argyle ISD	May 6, 2017	166,000,000
15	Melissa ISD	May 1, 2021	400,000,000	34	Dallas ISD	November 6, 2018	150,000,000
16	Northwest ISD	May 6, 2017	399,000,000	35	Aledo ISD	November 5, 2019	149,950,000
17	Carrollton-F.B. ISD	November 6, 2018	350,935,000	36	Crandall ISD	May 6, 2017	125,000,000
18	Mesquite ISD	May 5, 2018	325,000,000	37	Community ISD	November 7, 2017	115,775,000
19	Van Alstyne ISD	May 1, 2021	325,000,000	38	Lake Dallas ISD	May 4, 2019	105,000,000

Source: The Municipal Advisory Council of Texas, Texas Bond Review Board, Texas Comptroller of Public Accounts and Texas Education Agency.

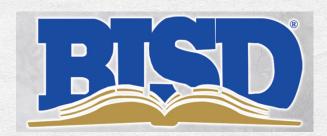
Preliminary Bond Election Timetable November 8, 2022

Financing Team Members					
BISD		Birdville Independent School District – Issuer			
BOKFS		BOK Financial Securities, Inc. – Financial Advisor			
MPH		McCall, Parkhurst & Horton L.L.P. – Bond Counsel			

Preliminary Bond Election Timetable November 8, 2022						
Date	Action	Responsibility				
On or Prior to August 22, 2022(A)	Board Meeting – Board of Trustees Calls the Bond Election	BISD, BOKFS, MPH				
October 9 – 31, 2022	Publish Notice of Election	BISD, MPH				
Prior to October 18, 2022	Post Notice of Election	BISD, MPH				
October 24 – November 4, 2022	Early Voting Period	BISD				
November 8, 2022	Bond Election	BISD, BOKFS				
November 11 – 22, 2022	Board Meeting – Canvass Election Results	BISD, BOKFS				
December 11 – 22, 2022	30-Day Contest Period Ends	N/A				
January 2023 or Thereafter	Bond Sale	BISD, BOKFS, MPH				
February 2023 or Thereafter Bond Closing (District Receives Bond Proceeds)		BISD, BOKFS, MPH				

⁽A) For bond elections held on the November uniform election date, State law requires a bond election to be called by the Board of Trustees at least 78 days prior to the date of the election.

Questions Comments Feedback





What does the law now require for the ballot language?



Chris Settle McCall, Parkhurst & Horton, L.L.P.

2022 BOND PLANNING COMMITTEE



School District Bond Propositions



2022 BOND PLANNING COMMITTEE

School District Bond Propositions: Prior Law

- Prior to the May 2020 election cycle, Education Code § 45.001 allowed all school facilities to be included in a single proposition
 - the construction, acquisition, and equipment of school buildings in the district;
 - the purchase of the necessary sites for school buildings; and
 - the purchase of new school buses.



School District Bond Propositions: Current Law

- Beginning with the May 2020 election cycle, Education Code § 45.003(g) requires that certain "special purpose" categories of improvements be included in separate, standalone propositions
 - stadium with seating of a 1000 or more
 - natatorium
 - recreational facility "other than a gym, playground, or play area"
 - performing arts facility
 - teacher housing
 - technology other than "school security" or "integral to the construction"

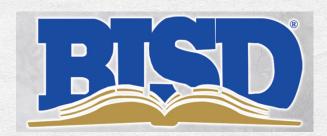


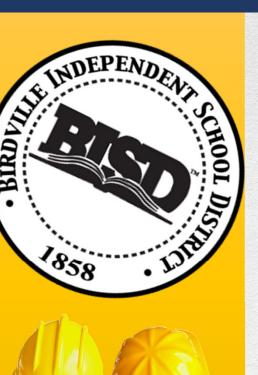
School District Bond Propositions: Current Law

- Beginning with the May 2020 election cycle, Education Code § 43.003(b-1) requires specific ballot language
 - "THIS IS A PROPERTY TAX INCREASE."
 - Must be included even if not true.
 - Per the Texas Attorney General's office, the mandatory ballot language cannot be modified, supplemented or qualified.



Questions Comments Feedback





Likes and Wishes

- Review at the close of each meeting ...
- What did you LIKE?
- What do you WISH?
- Any questions?



Meeting 4 Information

- Monday, March 21
 - Review of Long-Range Facilities Plan and Priority Codes
 - Review New Construction/Replacements/Additions
 - Existing Facilities Needs

Birdville ISD 2022 Bond Planning Committee

March 7, 2022

- Debrief Facilities
- Demographic Report
- Financial Capacity & impact
 Scenarios
- Ballot Language

