



Population &
Survey Analysts
www.pasatx.com

Demographic Study Methodology

Population and Survey Analysts



For over 40 years, PASA has provided enrollment projections for K-12th school districts throughout the State of Texas.

Our Mission

PASA empowers school district leaders with accurate and reliable enrollment projections, utilizing comprehensive demographic data, in-depth analysis, and cutting-edge technological tools. PASA is committed to assisting educational institutions by providing the best enrollment projections based on the information known at the time and helping our clients understand the implications of enrollment growth/decline to plan for the future effectively.

Our Team

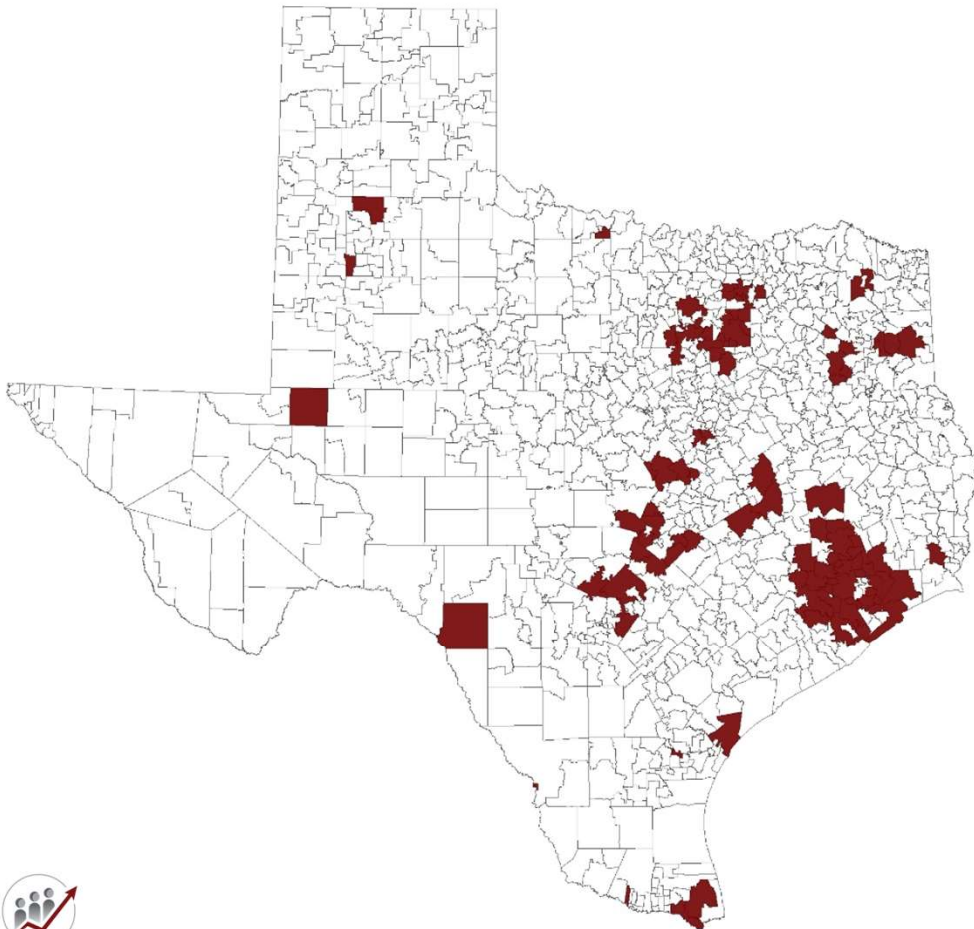










PASA's K-12th Partnerships

PASA has clients throughout the State of Texas.

Many are repeat clients from suburban Houston, Dallas, Austin, and San Antonio areas, but PASA has also completed studies in the Panhandle, East Texas, and Central Texas.



PASA has partnered annually with these six districts as they navigated high-growth enrollment years.

CLIENTS	FIRST STUDY	GROWTH
 <small>LEARN • EMPOWER • ACHIEVE • DREAM</small>	2012-13	7,997 new students 8 new campuses 6 successful bond elections
 <small>INSPIRE • EQUIP • IMAGINE</small>	2013-14	8,729 new students 10 new campuses 3 successful bond elections
 <small>INDEPENDENT SCHOOL DISTRICT</small>	1999-00	61,351 new students 66 new campuses 5 successful bond elections
	1998-99	62,469 new students 45 new campuses 6 successful bond elections
 <small>A PROUD TRADITION A BRIGHT FUTURE</small>	2002-03	25,402 new students 22 new campuses 4 successful bond elections
 <small>LEADING TO A BRIGHT FUTURE</small>	1999-00	29,326 new students 31 new campuses 6 successful bond elections

These annual partnerships helped these districts in preparing for 195,294 students, at over 217 additional campuses, through 31 successful bond elections.





THE PASA PROCESS



Collect
Background
Data



Study
Housing
and
Economic
Data



Study Past
and
Current
Student
Population



Generate
Projections



Analyze
Long-Range
Implications
for Facilities



Background Data

GIS Mapping



Aerial imagery
Appraisal district data
Flood plain
Transportation improvements
School sites
Municipalities
Subdivisions and apartments



Background Data

Study Past Enrollment

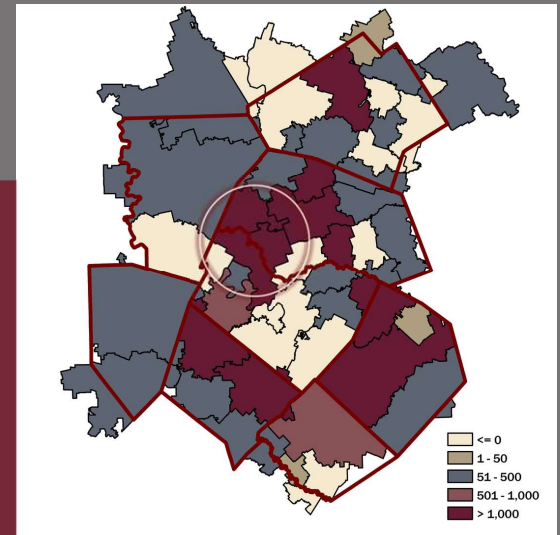
Births compared to KG class five years later

Changing KG class sizes over time

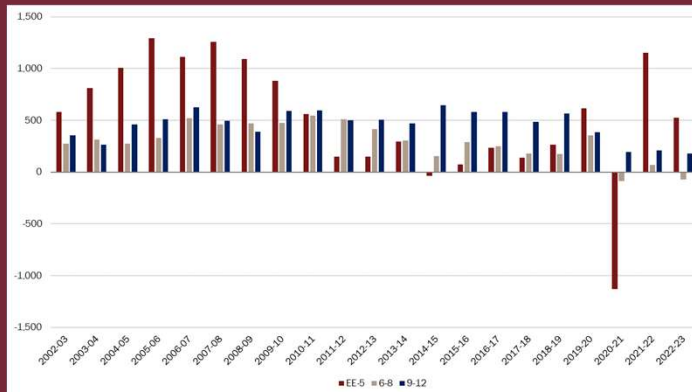
Growth and decline of LISD students by neighborhood

Changing proportions of young vs older students

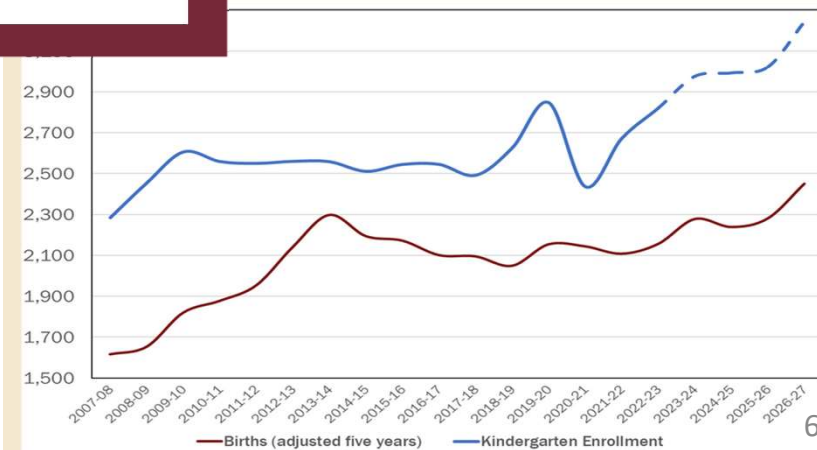
Enrollment Growth Austin Area Districts 2021-22 to 2022-23



Historical Enrollment Change



Births vs KG Enrollment





Housing and Economic Data

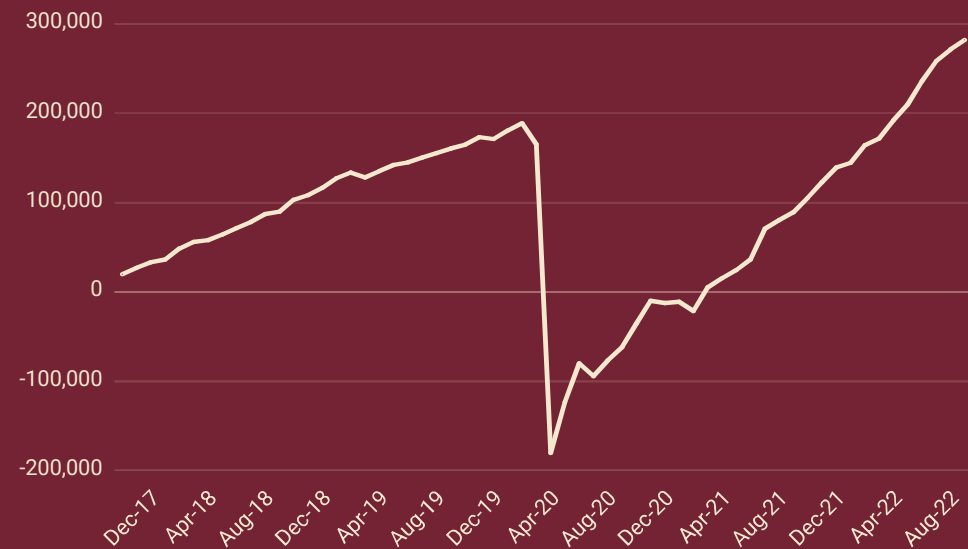
Understand Economics and Housing Market

Mortgage Rates

Home Price	3.00%	4.00%	5.00%	6.00%	7.00%	8.00%
\$250,000	\$843	\$955	\$1,074	\$1,199	\$1,331	\$1,468
\$300,000	\$1,012	\$1,146	\$1,288	\$1,439	\$1,597	\$1,761
\$350,000	\$1,180	\$1,337	\$1,503	\$1,679	\$1,863	\$2,055
\$400,000	\$1,349	\$1,528	\$1,718	\$1,919	\$2,129	\$2,348
\$500,000	\$1,686	\$1,910	\$2,147	\$2,398	\$2,661	\$2,935
\$600,000	\$2,024	\$2,292	\$2,577	\$2,878	\$3,193	\$3,522

Assess mortgage rates and recent local housing market trends

Research employment trends, new employers, and national and global economic factors





Housing and Economic Data

Project Future New Housing Construction



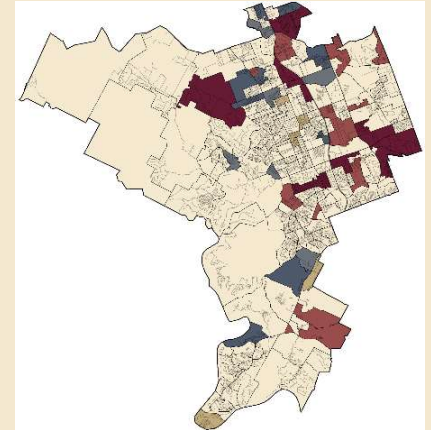
Study plats, concept plans, land ownership changes and infrastructure improvements to quantify short-term housing construction potential



Interview real estate experts, government officials, developers, and landowners to understand long-term residential potential



Drive all actively-building subdivisions to assess current and future growth patterns

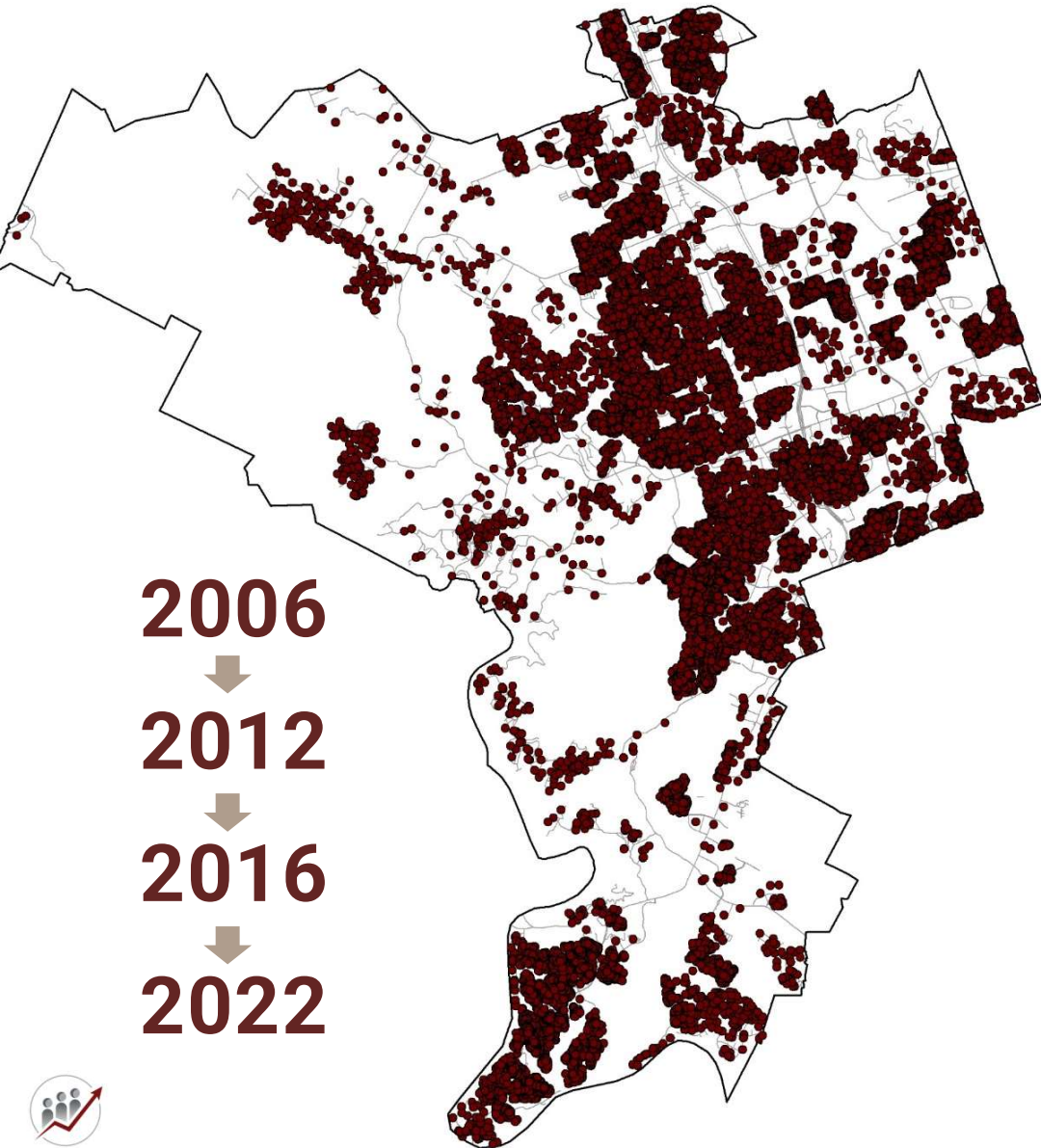


Integrate all gathered data with PASA expertise to project number of new houses per development per year



Past and Current Student Population

Study Past Enrollment



Accurately place every LISD student on the map

20+ years of historical student population

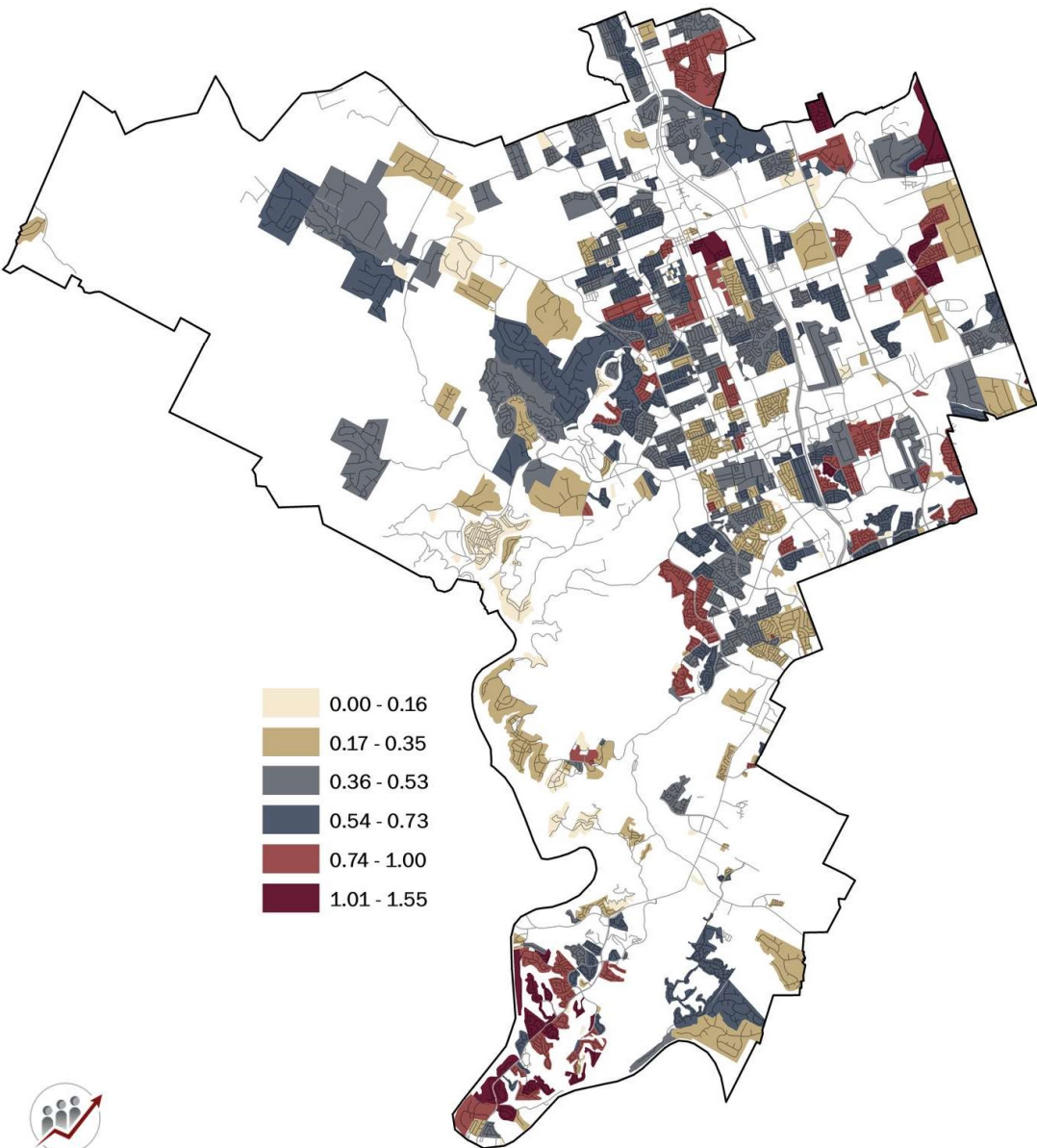
This is the starting point for all projections





Past and Current Student Population

Students per House/Apartment



Calculate ratio of students per housing unit for every subdivision and apartment

Identify comparable neighborhoods for projecting students in new construction

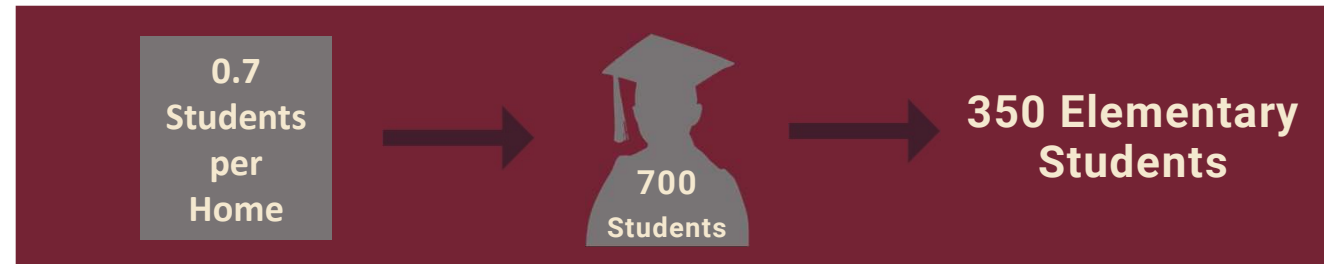
Analyze changes in student density/ages in each neighborhood over time





Past and Current Student Population

Students per House/Apartment



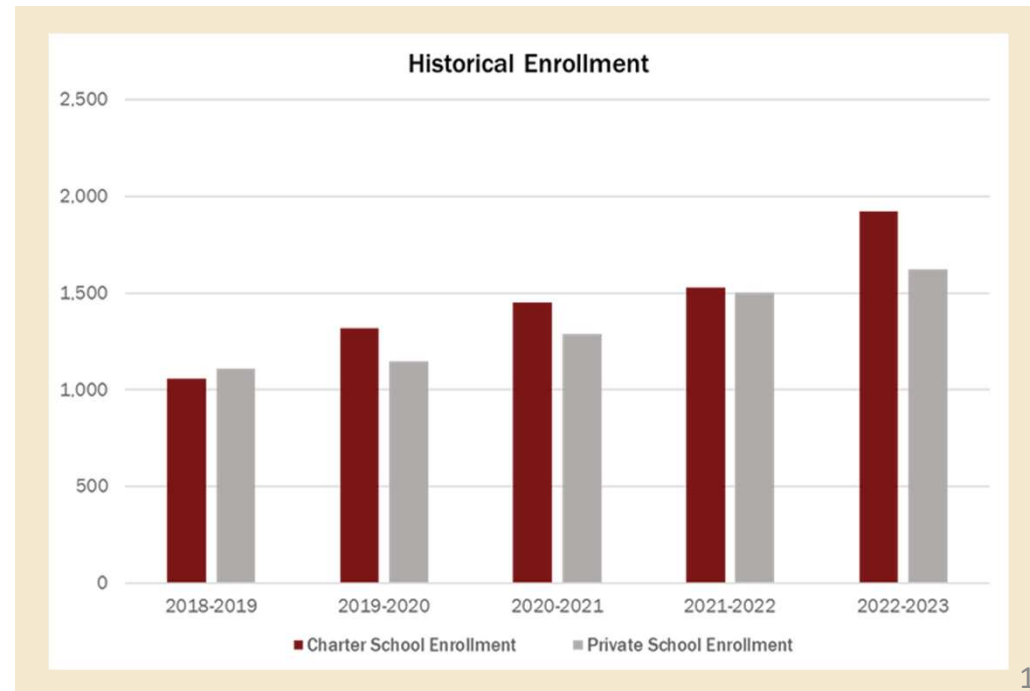
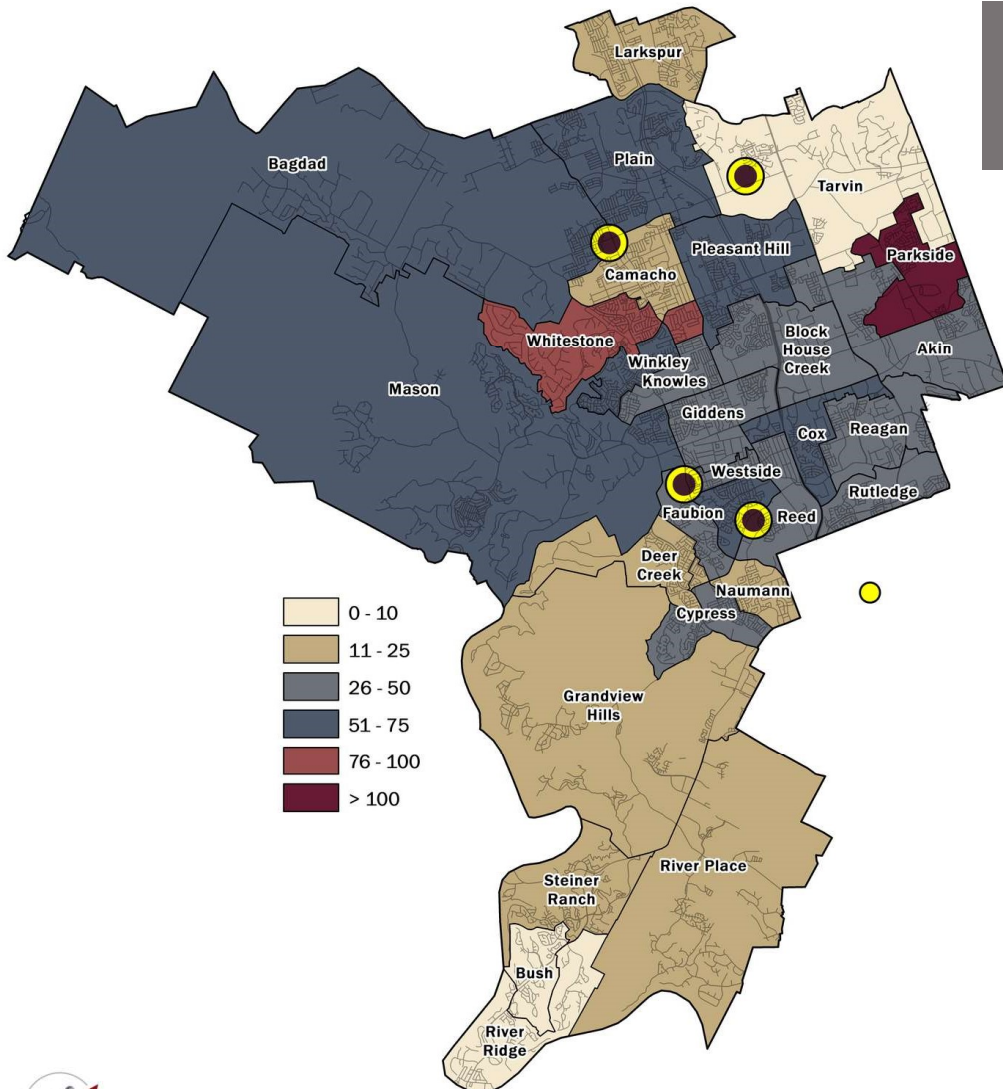


Past and Current Student Population

Private and Charter Schools

Research TEA data for recent charter growth and the impact on LISD

Contact private and charter schools to gather enrollment data and growth plans



Student Projections

Primary Factors Impacting Student Projections

Actively-Building Areas



New Housing
Construction



Birth Rates



New Charter Schools



Incoming KG Class Size



Aging of the Existing Student
Population

Established Areas



Regeneration in Established
Neighborhoods



Birth Rates



New Charter Schools



Incoming KG Class Size



Aging of the Existing Student
Population



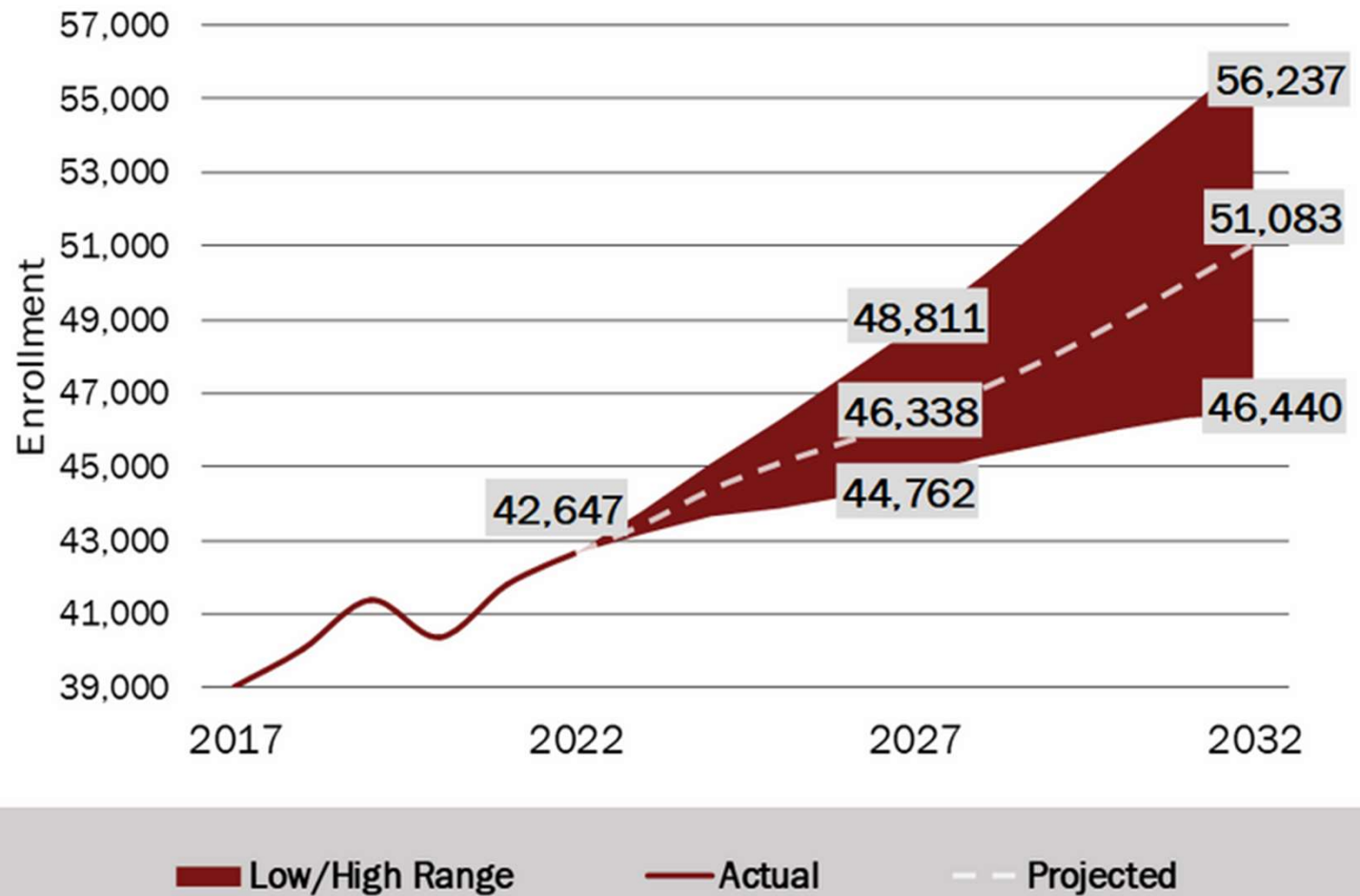
Student Projections

Develop Three Scenarios of Growth

Every year starts with a clean slate – not impacted by previous year's accuracy

Moderate Growth Scenario is "most likely" based on all the best information available at the time

Low and High Growth Scenarios are feasible, assuming changing circumstances



Student Projections

Build a Model of Student Projections

Elementary School	Capacity	Current	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Akin	934	941	969	1,011	1,022	1,069	1,107	1,175	1,247	1,306	1,374	1,452
Bagdad	818	697	753	819	850	888	961	1,085	1,230	1,381	1,517	1,644
Block House Creek	648	540	544	574	609	638	657	671	675	686	696	707
Bush	721	498	470	453	435	428	415	403	395	405	419	436
Camacho	747	864	917	919	918	896	888	907	908	908	917	925
Cox	702	672	671	705	704	710	723	728	725	727	737	753
Cypress	652	518	480	441	426	421	414	419	431	452	472	489
Deer Creek	781	562	558	517	477	459	455	449	450	459	476	493
Faubion	685	405	398	388	370	359	352	342	332	334	333	335
Giddens	649	561	541	528	521	519	515	508	498	498	504	508
Grandview Hills	520	434	451	469	491	504	510	514	521	528	538	543
Knowles	634	517	531	542	539	521	514	524	529	541	554	564
Larkspur	875	857	1,000	1,094	1,182	1,267	1,292	1,322	1,328	1,330	1,337	1,339
Mason	768	760	760	773	798	855	913	1,017	1,108	1,169	1,243	1,291
Naumann	728	459	464	456	430	424	412	412	407	407	410	415
North	850	493	615	704	756	828	872	883	893	922	951	974
Parkside	840	792	786	757	762	747	755	764	780	812	858	902
Plain	903	911	1,052	1,153	1,153	1,177	1,186	1,234	1,274	1,303	1,328	1,344
Pleasant Hill	692	652	688	743	834	895	907	907	913	926	935	947
Reagan	892	836	784	747	699	672	668	689	707	737	760	782
Reed	782	531	551	576	574	581	580	588	600	600	604	608
River Place	685	683	710	728	758	775	782	797	807	818	831	847
River Ridge	665	463	426	389	362	331	305	295	293	298	308	316
Rutledge	833	1,017	1,023	1,004	967	959	930	921	914	917	931	948
Steiner Ranch	674	525	527	514	503	498	495	503	508	515	525	537
Tarvin	760	666	778	865	1,002	1,181	1,362	1,559	1,714	1,885	2,066	2,189
Westside	764	519	468	435	382	356	359	379	390	421	462	499
Whitstone	888	879	915	920	905	890	867	854	843	850	861	873
Winkley	837	703	682	676	653	647	633	661	679	697	716	730
Projected Resident Elementary Students	21,927	18,955	19,512	19,900	20,082	20,495	20,829	21,510	22,099	22,832	23,663	24,390

Projections Model accounts for aging of current students, in addition to many factors discussed previously

Moderate Growth Scenario

Compare projected resident students to capacity to illustrate schools with future over- and under-utilization

Blue = <80% utilization

Red = >120% utilization



Long-Range Facilities Planning

Residents Compared to Enrolled Students

Resident Students

PASA projects where students will live, by:

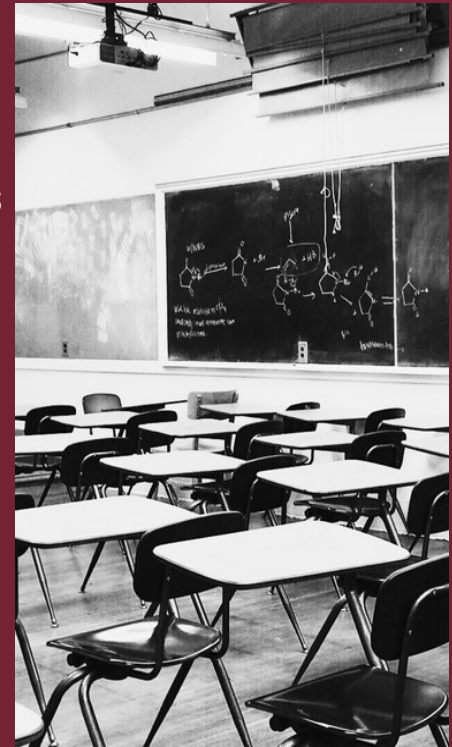
- Geocoding by their addresses
- Projecting new homes



Enrolled Students

Enrolled Students = Residents +/- Transfers

Students transfer due to programs and many other reasons, attending a school other than their zoned school



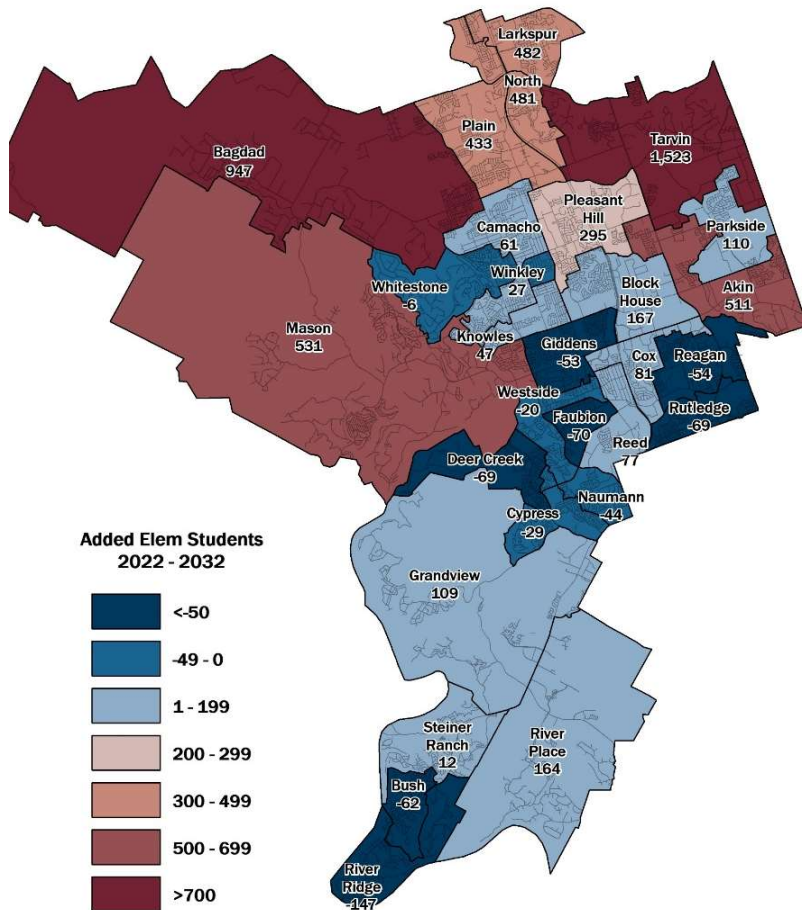
It is important to realize that projections of resident students do not always equate to enrollment. Transfers and changes in programs must be considered for short-term planning.





Long-Range Facilities Planning

Long-Term Planning for Gains and Losses



Create step-by-step plan for siting and timing of new facilities considering:

- Short-term and long-term utilization
- Transportation patterns
- Maximize neighborhood stability

Plans will change! But outlining a ten-year plan helps assure that short-term decisions align with long-term growth

This plan becomes a starting point for the Administration to integrate with all the other considerations that go into facility planning





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Questions?