NESDEC

New England School Development Council

Plainfield Public Schools
Plainfield, CT

2022-23 Enrollment Projection Report

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The global pandemic continues to influence our nation's public health and economic stability in unpredictable ways. As such, it is still too early to identify many of the factors that could impact school enrollments. Over the past school year, we have seen fluctuations in the real estate market and job trends, which have impacted student attendance patterns. Moreover, during the past school year, we have seen how school enrollment patterns can differ substantially from one district to another, with some districts losing students while others experience an influx of students.

We are pleased to send you this report displaying the past, present, and projected enrollments for the District. These ten-year projections are designed to provide the District with yearly, up-to-date enrollment information that can be used by boards and administrators for effective planning and allocation of resources. Included in this report are graphs representing historical and projected grade-by-grade enrollments, as well as historical and projected enrollments in grade combinations. We have received the figures given to us by the District, and we assume that the method of collecting the enrollment data has been consistent from year to year.

Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the "out-years." Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes. In light of this, NESDEC has added a "Second Semester Refresher" enrollment projection at no cost to affiliates. (For more information please refer to the Reliability and Use of This Document section.)

This is the first enrollment projection for Plainfield. Next fall, we can determine the accuracy of NESDEC's 2023-24 projection.

Births decreased by 20 from a previous ten-year average of 163 to a projected average of 143, which could have an impact on Kindergarten enrollments. In most districts, enrollments in Grades 1-8 are very stable. However, there have been decreases in 4 of the 8 most recent years, leading to a net decrease averaging -5 students per year.

Over the next three years, K-3 enrollments are projected to increase by +10 students, Grades 4-5 enrollments are projected to increase by +5 students, Grades 6-8 enrollments are projected to decrease by -23 students and Grades 9-12 enrollments are projected to decrease by -11 students, as students move through the grades.

Historical Enrollment

Historical Enrollment By Grade

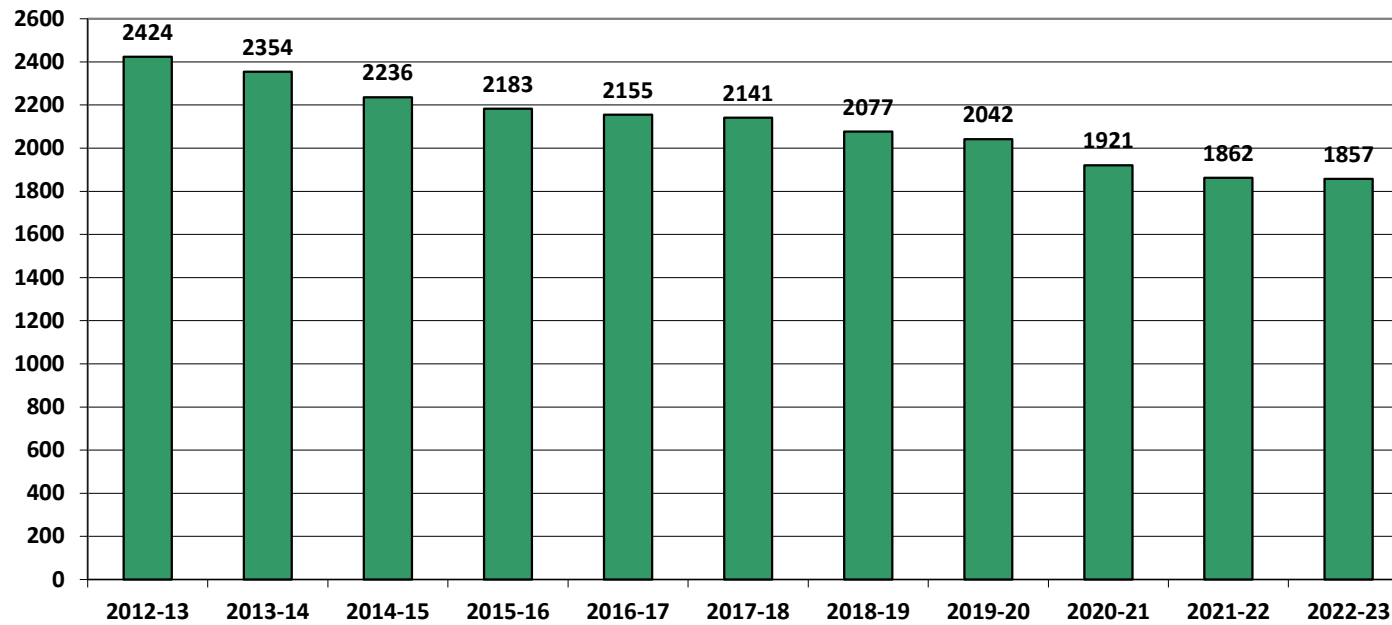	Birth Year	Births*	School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2007	154	2012-13	68	177	183	166	185	188	198	203	188	196	193	166	194	187	0	2424	2492
2008	182	2013-14	97	182	168	172	167	183	189	198	197	198	190	179	161	170	0	2354	2451
2009	174	2014-15	100	143	178	163	167	165	171	177	195	195	163	166	179	174	0	2236	2336
2010	151	2015-16	128	138	154	172	166	167	159	161	185	186	156	168	169	202	0	2183	2311
2011	190	2016-17	137	149	149	149	170	173	172	161	164	188	155	166	169	190	0	2155	2292
2012	164	2017-18	126	162	151	143	148	163	175	179	163	162	165	171	167	192	0	2141	2267
2013	166	2018-19	128	132	172	158	149	147	169	174	172	168	127	162	176	171	0	2077	2205
2014	144	2019-20	138	158	135	176	149	151	151	176	170	177	126	127	160	186	0	2042	2180
2015	155	2020-21	89	147	147	131	162	138	150	144	168	170	129	139	130	166	0	1921	2010
2016	159	2021-22	114	154	147	133	124	170	141	151	146	166	113	131	143	143	0	1862	1976
2017	137	2022-23	74	159	150	150	132	129	157	139	157	149	141	120	126	148	0	1857	1931

*Birth data provided by Public Health Vital Records Departments in each state.

Historical Enrollment in Grade Combinations

Year	PK-5	K-5	PK-3	K-3	4-5	6-8	PK-8	K-8	9-12
2012-13	1165	1097	779	711	386	587	1752	1684	740
2013-14	1158	1061	786	689	372	593	1751	1654	700
2014-15	1087	987	751	651	336	567	1654	1554	682
2015-16	1084	956	758	630	326	532	1616	1488	695
2016-17	1099	962	754	617	345	513	1612	1475	680
2017-18	1068	942	730	604	338	504	1572	1446	695
2018-19	1055	927	739	611	316	514	1569	1441	636
2019-20	1058	920	756	618	302	523	1581	1443	599
2020-21	964	875	676	587	288	482	1446	1357	564
2021-22	983	869	672	558	311	463	1446	1332	530
2022-23	951	877	665	591	286	445	1396	1322	535

Historical Percentage Changes

Year	K-12	Diff.	%
2012-13	2424	0	0.0%
2013-14	2354	-70	-2.9%
2014-15	2236	-118	-5.0%
2015-16	2183	-53	-2.4%
2016-17	2155	-28	-1.3%
2017-18	2141	-14	-0.6%
2018-19	2077	-64	-3.0%
2019-20	2042	-35	-1.7%
2020-21	1921	-121	-5.9%
2021-22	1862	-59	-3.1%
2022-23	1857	-5	-0.3%
Change		-567	-23.4%

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Historical Enrollment

K-12, School Years 2012-13 to 2022-23

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Projected Enrollment

School District: **Plainfield, CT**   **12/15/2022**

Enrollment Projections By Grade*

Birth Year	Births*		School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2017	137		2022-23	74	159	150	150	132	129	157	139	157	149	141	120	126	148	0	1857	1931
2018	144		2023-24	79	148	159	148	146	132	130	157	139	159	117	147	121	135	0	1838	1917
2019	149		2024-25	84	153	148	157	144	146	133	130	157	141	125	122	148	130	0	1834	1918
2020	145		2025-26	89	149	153	146	153	144	147	133	130	159	111	131	123	159	0	1838	1927
2021	142	(prov.)	2026-27	94	146	149	151	142	153	145	147	133	132	125	116	132	132	0	1803	1897
2022	143	(est.)	2027-28	99	147	146	147	147	142	154	145	147	135	104	131	117	142	0	1804	1903
2023	145	(est.)	2028-29	104	148	147	144	143	147	143	154	145	149	106	109	132	126	0	1793	1897
2024	145	(est.)	2029-30	109	149	148	145	140	143	148	143	154	147	117	111	110	142	0	1797	1906
2025	144	(est.)	2030-31	114	148	149	146	141	140	144	148	143	156	115	122	112	118	0	1782	1896
2026	144	(est.)	2031-32	119	147	148	147	142	141	141	144	148	145	122	120	123	120	0	1788	1907
2027	144	(est.)	2032-33	124	148	147	146	143	142	142	141	144	150	114	127	121	132	0	1797	1921

Note: Ungraded students (UNGR) often are high school students whose anticipated years of graduation are unknown, or students with special needs - UNGR not included in Grade Combinations for 7-12, 9-12, etc.

Based on an estimate of births   Based on children already born   Based on students already enrolled

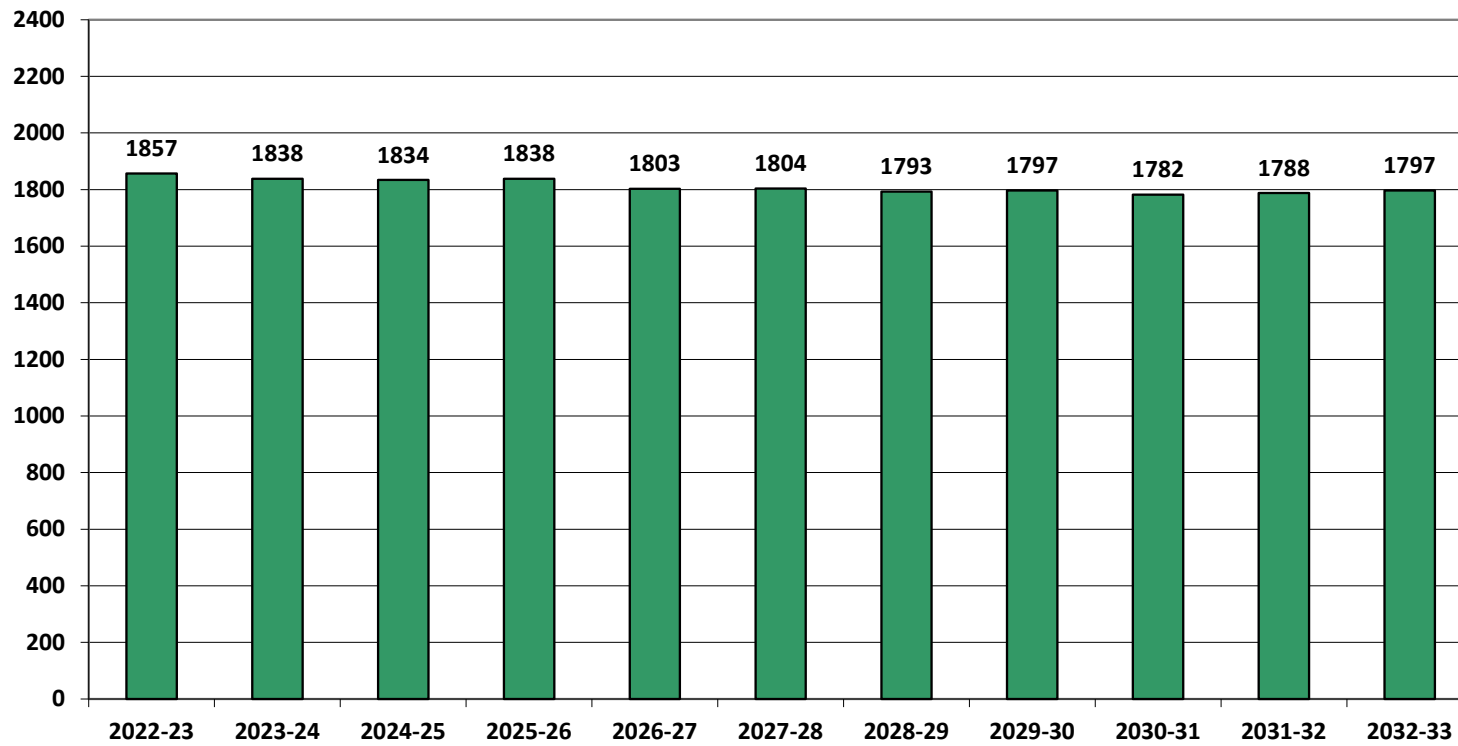*Birth data provided by Public Health Vital Records Departments in each state.

Projected Enrollment in Grade Combinations*

Year	PK-5	K-5	PK-3	K-3	4-5	6-8	PK-8	K-8	9-12
2022-23	951	877	665	591	286	445	1396	1322	535
2023-24	942	863	680	601	262	455	1397	1318	520
2024-25	965	881	686	602	279	428	1393	1309	525
2025-26	981	892	690	601	291	422	1403	1314	524
2026-27	980	886	682	588	298	412	1392	1298	505
2027-28	982	883	686	587	296	427	1409	1310	494
2028-29	976	872	686	582	290	448	1424	1320	473
2029-30	982	873	691	582	291	444	1426	1317	480
2030-31	982	868	698	584	284	447	1429	1315	467
2031-32	985	866	703	584	282	437	1422	1303	485
2032-33	992	868	708	584	284	435	1427	1303	494

Projected Percentage Changes

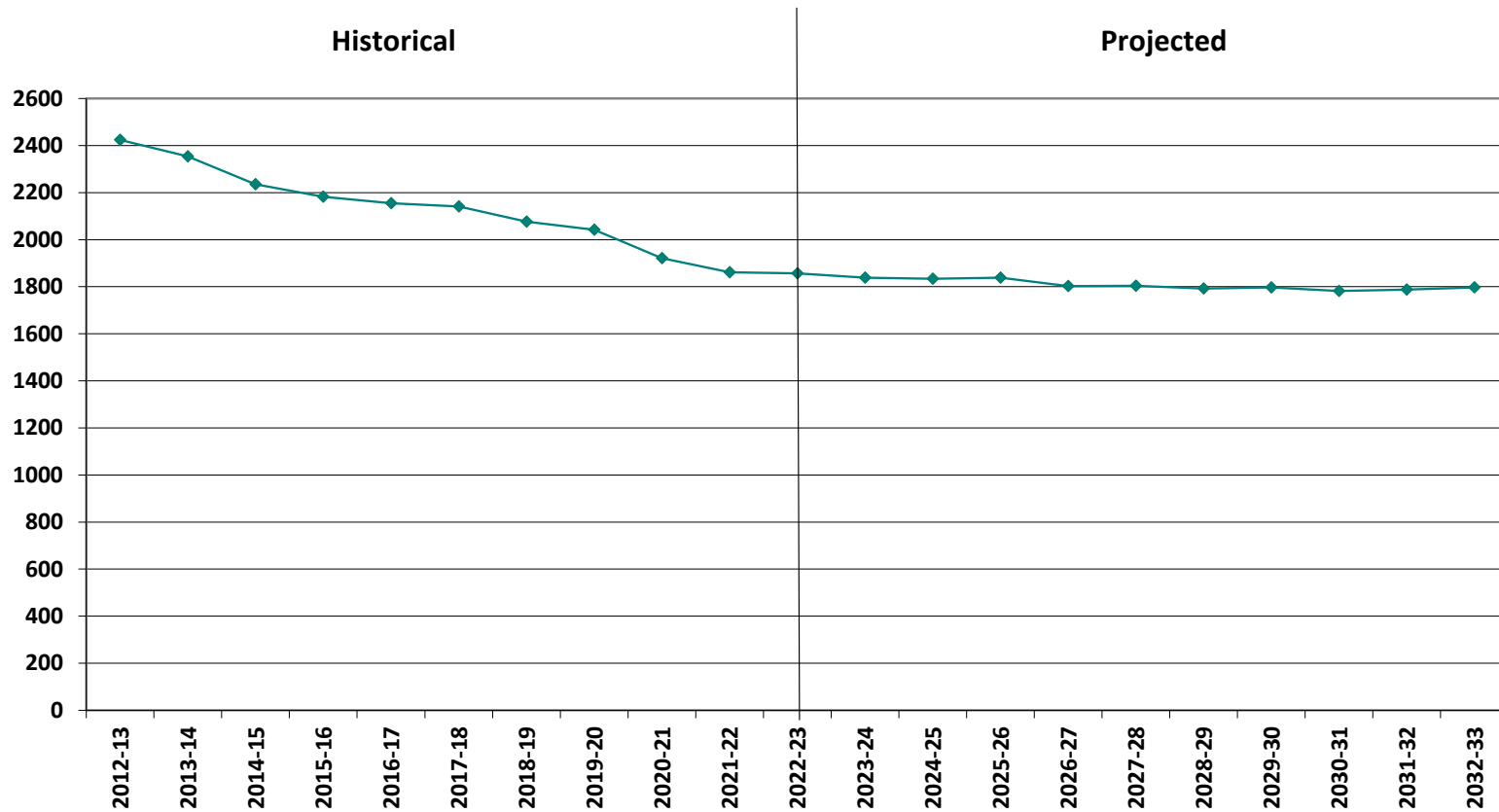| Year	K-12	Diff.	%
2022-23	1857	0	0.0%
2023-24	1838	-19	-1.0%
2024-25	1834	-4	-0.2%
2025-26	1838	4	0.2%
2026-27	1803	-35	-1.9%
2027-28	1804	1	0.1%
2028-29	1793	-11	-0.6%
2029-30	1797	4	0.2%
2030-31	1782	-15	-0.8%
2031-32	1788	6	0.3%
2032-33	1797	9	0.5%
Change		-60	-3.2%

*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.
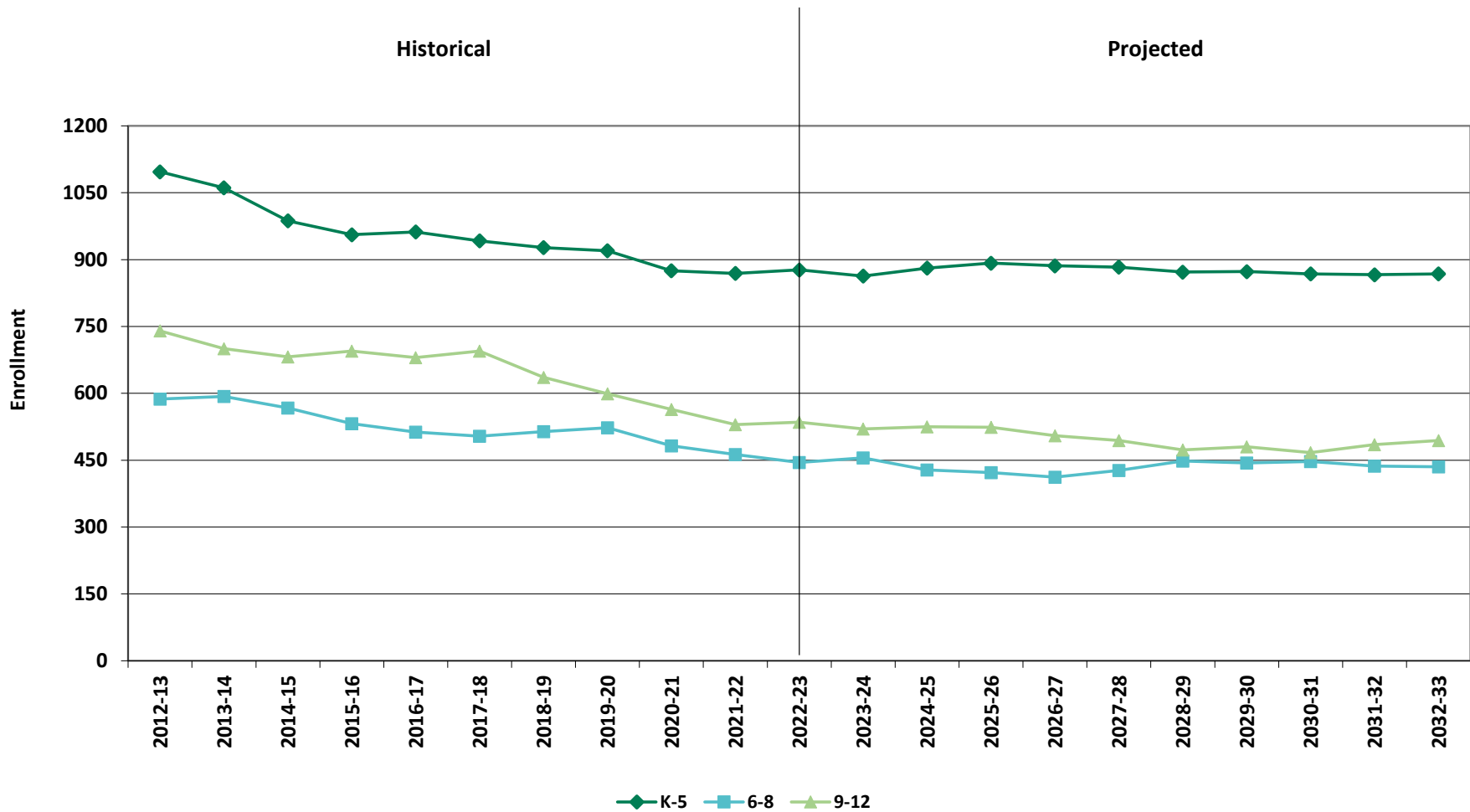
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Projected Enrollment

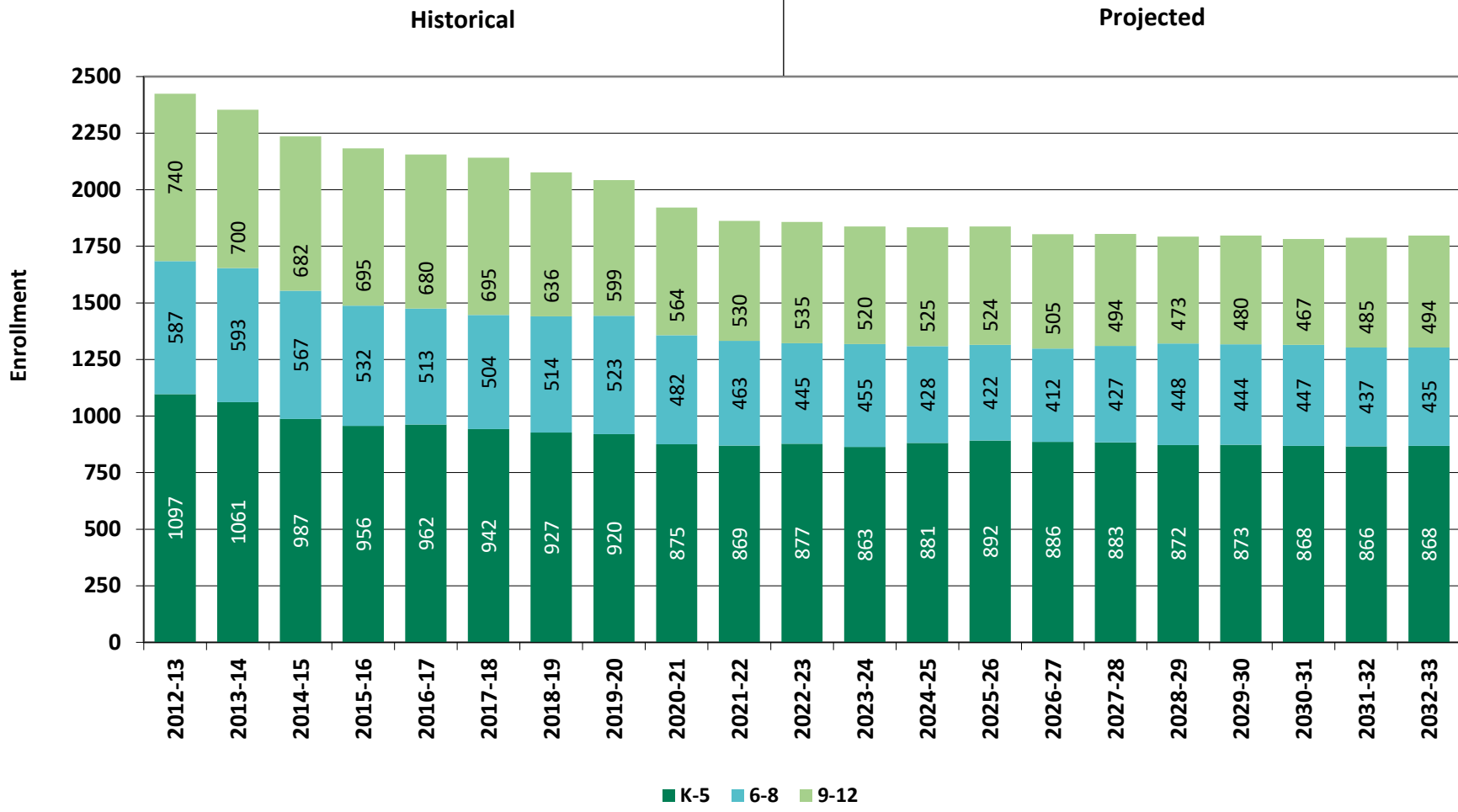**K-12, School Years 2022-23 to 2032-33**
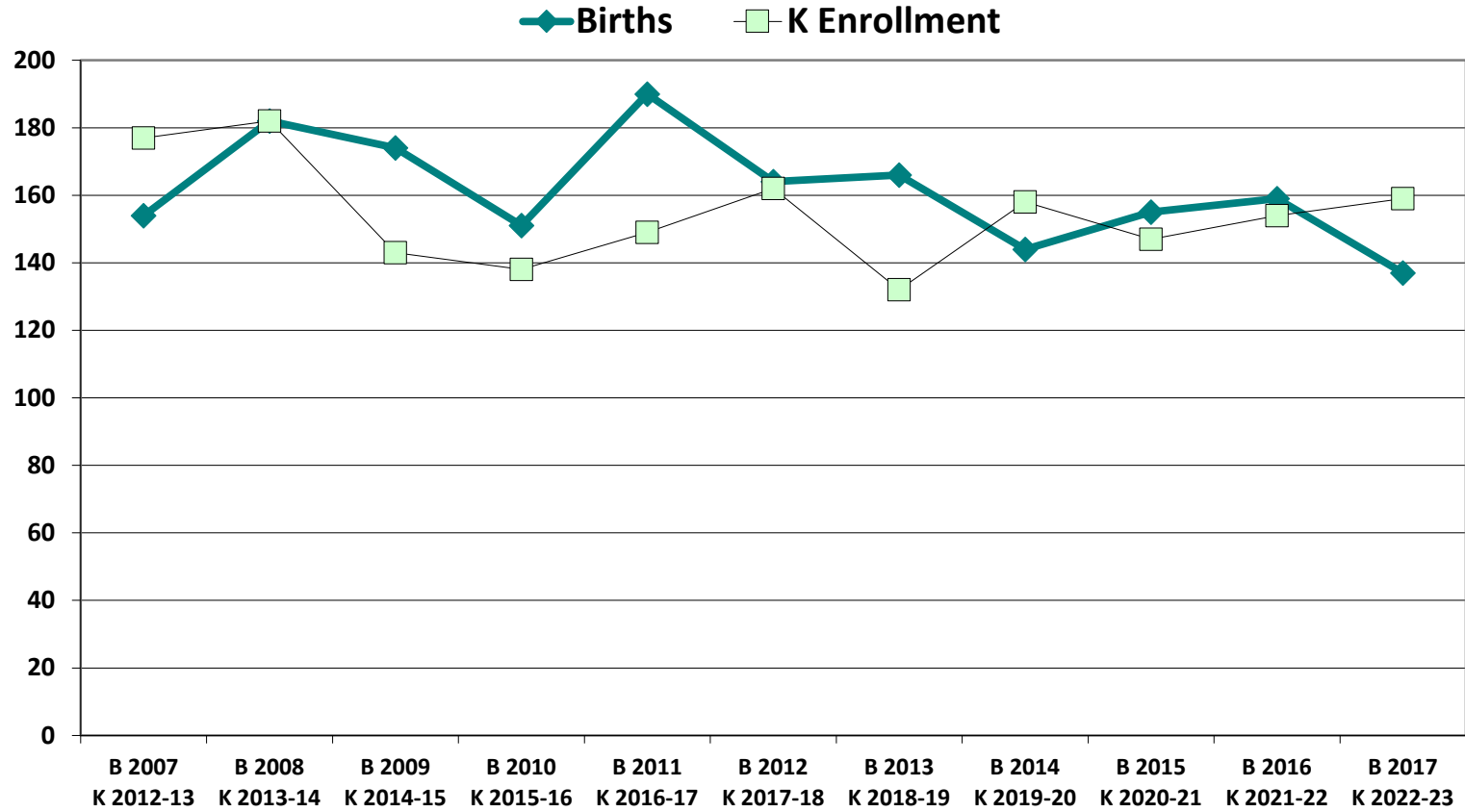
Historical & Projected Enrollment

Historical | Projected

Historical & Projected Enrollments in Grade Combinations

Historical & Projected Enrollments in Grade Combinations

Historical | Projected

Birth-to-Kindergarten Relationship

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Additional Information

Building Permits Issued (Source: HUD)		
Year	Single-Family	Multi-Units
2012	9	0
2018	18	0
2019	15	0
2020	15	0
2021	38	0
2022	11 to date	0 to date

Enrollment History*	Career-Tech	Non-Public
Year	9-12 Total	K-12 Total
2012-13	n/a	n/a
2018-19	n/a	n/a
2019-20	n/a	n/a
2020-21	n/a	n/a
2021-22	n/a	n/a
2022-23	163	40

Residents in Non-Public Independent and Parochial Schools (General Education)*													
Oct. 1 Enrollment	K	1	2	3	4	5	6	7	8	9	10	11	12	K-12 TOTAL
	3	4	7	3	4	4	6	1	4	0	1	2	1	40

K-12 Home-Schooled Students*	
2022	75

K-12 Residents in Charter or Magnet Schools, or Choiced-out*	
2022	144

K-12 Special Education Outplaced Students*	
2022	14

K-12 Tuitioned-In, Choiced-In, & Other Non-Residents*	
2022	85

*The above data were provided by the District, with the exception of building permit data (provided by HUD).

"n/a" signifies that information was not provided by District.

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New England's PK-12 Enrollment Trends

From 2020 to 2030, the US Department of Education anticipates changes in PK-12 enrollment of -2.4% in the South, -6.5% in the West, -3.8% in the Midwest, -6.2% in the Northeast, and a total of -4.3% nationwide.

State	Fall 2020 PK - 12	Fall 2030 Projected	PK-12 Decline	% Change 2020-2030
CT	509,058	475,600	-33,458	-6.6%
ME	172,455	161,800	-10,655	-6.2%
MA	921,712	879,900	-41,812	-4.5%
NH	169,027	144,600	-24,427	-14.5%
RI	139,184	130,200	-8,984	-6.5%
VT	82,401	74,600	-7,801	-9.5%

Source: U.S. Department of Education, National Center for Education Statistics**,** *Enrollment In Public Schools fall 1990 to fall 2030* , Table 203.20, March 2022.

Although most New England Districts are seeing a decline in the number of births, NESDEC's experience indicates that the impact on enrollment varies from District to District. Almost half of New England Districts have been growing in PK-12 enrollment, and a similar number are declining (often in rural areas), with the other Districts remaining stable.

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Reliability and Use of this Document

PROJECTION METHODOLOGY

Cohort component (survival) technique is a frequently used method of preparing enrollment forecasts. NESDEC uses this method, but modifies it in order to move away from forecasts that are wholly computer- or formula-driven. Such modification permits the incorporation of important, current district-specific information into the generation of enrollment forecasts (such as in/out-migration of students, resident births, HUD-reported building permits, etc.). Percentages are calculated from the historical enrollment data to determine a reliable percentage of increase or decrease in enrollment between any two grades. For example, if 100 students enrolled in Grade 1 in 2018-19 increased to 104 students in Grade 2 in 2019-20, the percentage of survival would be 104%, or a ratio of 1.04. Ratios are calculated between each pair of grades or years in school over several recent years.

After study and analysis of the historical ratios, and based upon a reasonable set of assumptions regarding births, migration rates, retention rates, etc., ratios most indicative of future growth patterns are determined for each pair of grades. The ratios thus selected are applied to the present enrollment statistics to project into future years. The ratios are the key factors in the reliability of the projections, assuming validity of the data at the starting point.

RELIABILITY OF ENROLLMENT PROJECTIONS

Projections can serve as useful guides to school administrators for educational planning. Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the "out-years." Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes, but they should be viewed as subject to change given the likelihood of potential shifts in underlying assumptions/trends, such as student migration, births as they relate to Kindergarten enrollment, and other factors.

Projections that are based upon **the children who already are in the district** (the current K-12 population only) will be the most reliable. The second level of reliability will be for those children already **born into the community but not yet old enough to be in school.** The least reliable category is the group for which an estimate must be made **to predict the number of births**, thereby adding additional uncertainty. See these three multi-colored groupings on the "Projected Enrollment" tab.

Annual updates allow for early identification of recent changes in historical trends. When the actual enrollment in a grade is significantly different (higher or lower) from the projected number, it is important (yet difficult) to determine whether this is a one-year aberration or whether a new trend may have begun. **In light of this possibility, NESDEC urges all school districts to have updated enrollment forecasts developed by NESDEC each October.** This service is available at no cost to affiliated school districts.

USING THIS INFORMATION ELECTRONICALLY

If you would like to extract the information contained in this report for your own documents or presentations, you can use screenshots, which can be inserted into PowerPoint slides, Word documents, etc. Because screenshots create graphics, the image is not editable. Please feel free to contact us if you need assistance in this matter, by phone (508-481-9444) or by email (ep@nesdec.org).