

DEMOGRAPHIC STUDY

FOR THE

CITY SCHOOL DISTRICT

OF ALBANY

June 17, 2021



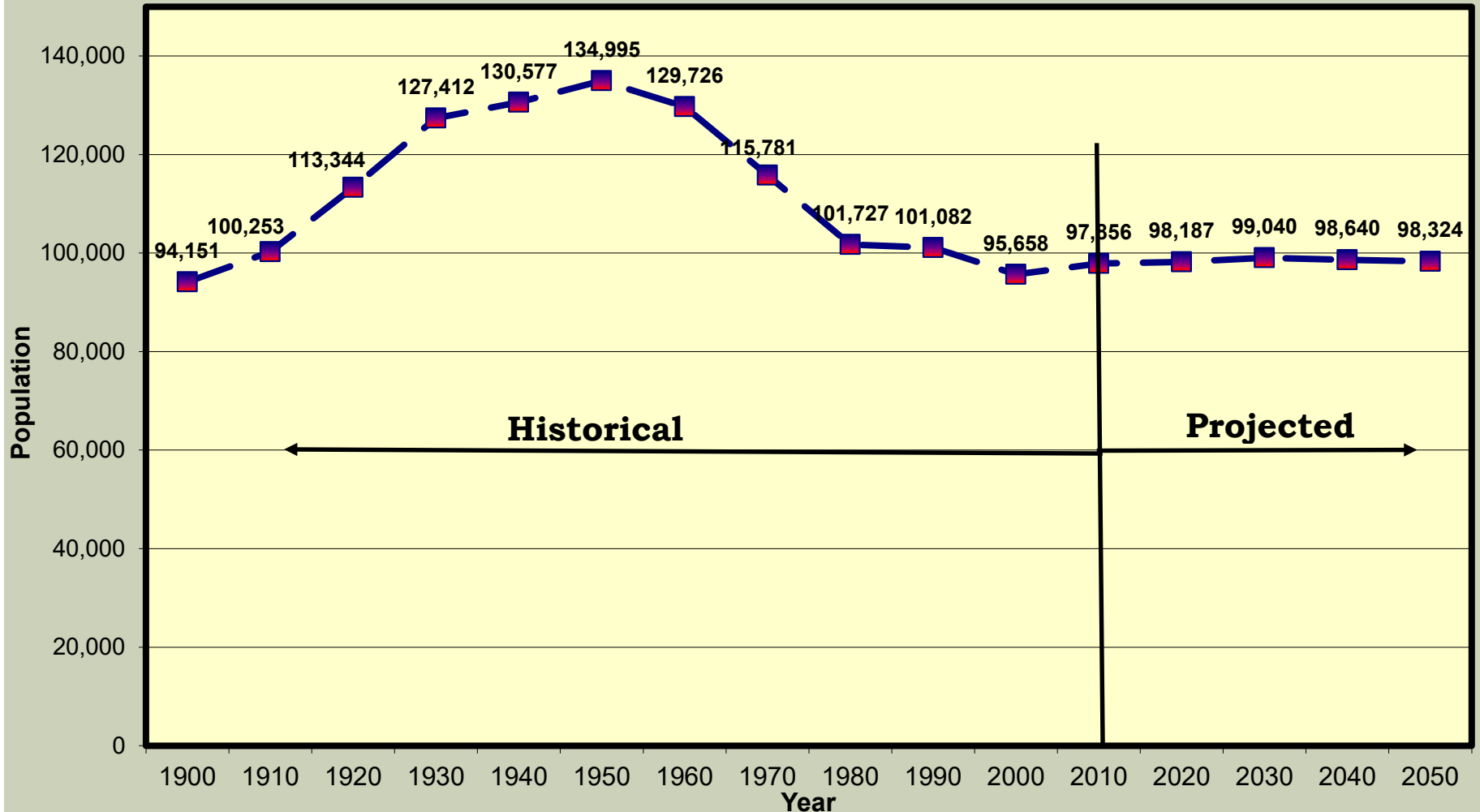
STATISTICAL FORECASTING

- Provide demographic services for school districts in the New York-New Jersey & DC metropolitan areas since 1998.
- Demographic consultant for the NYC Public Schools since 2006.

PURPOSE OF THE STUDY

- ❑ Project grade-by-grade enrollments from 2020-21 through 2029-30, a 10-year period
- ❑ Analyze district's historical enrollments, birth and fertility rates, community population trends, demographic characteristics, and age structure
- ❑ Investigate historical enrollment trends with respect to race and poverty status in each school
- ❑ Investigate enrollment trends of resident students from Albany who are attending non-public schools
- ❑ Examine historical enrollments of resident students from Albany who are attending charter schools
- ❑ Research new housing starts and the impact on the school district

ALBANY HISTORICAL AND PROJECTED POPULATIONS 1900-2050

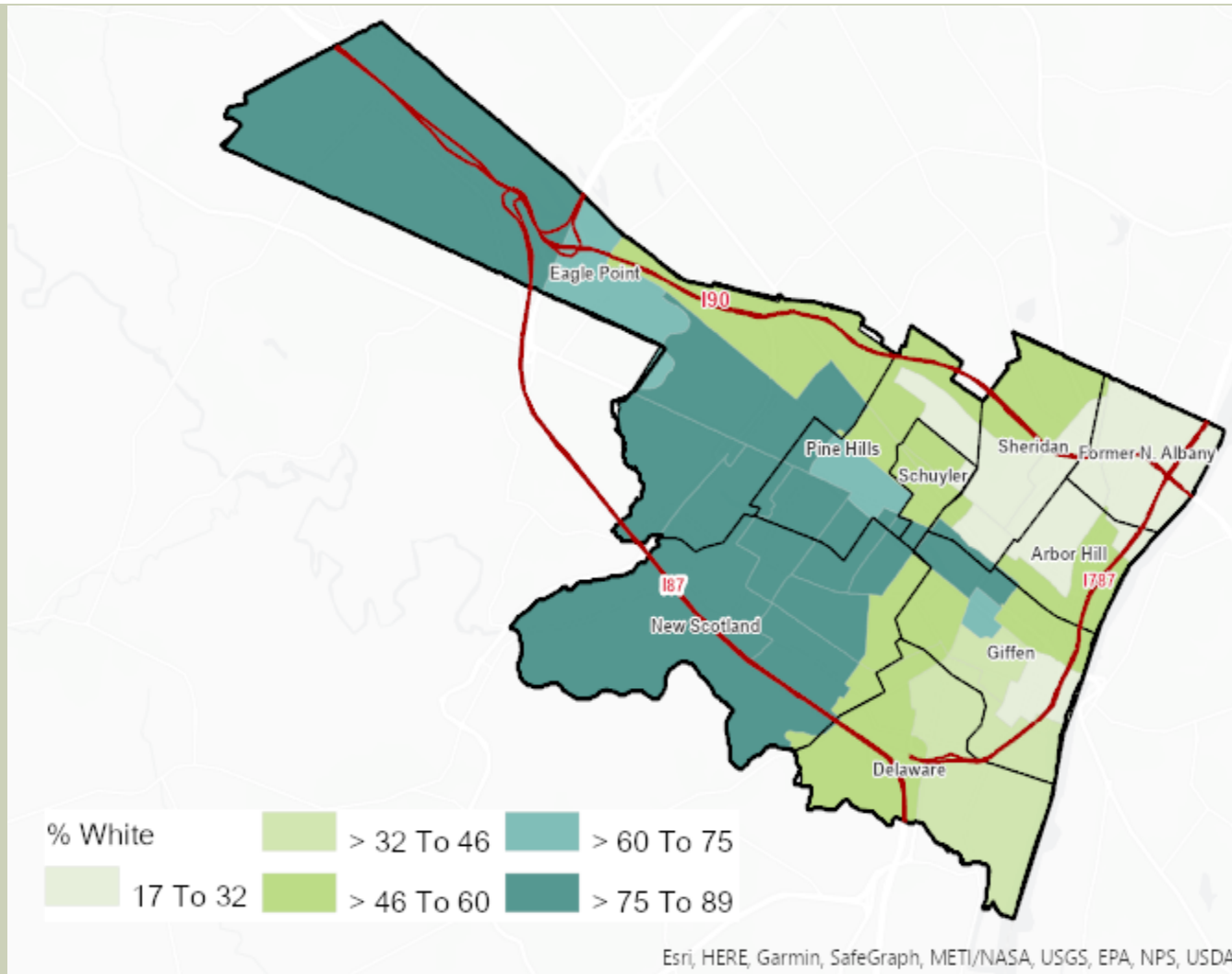


ALBANY

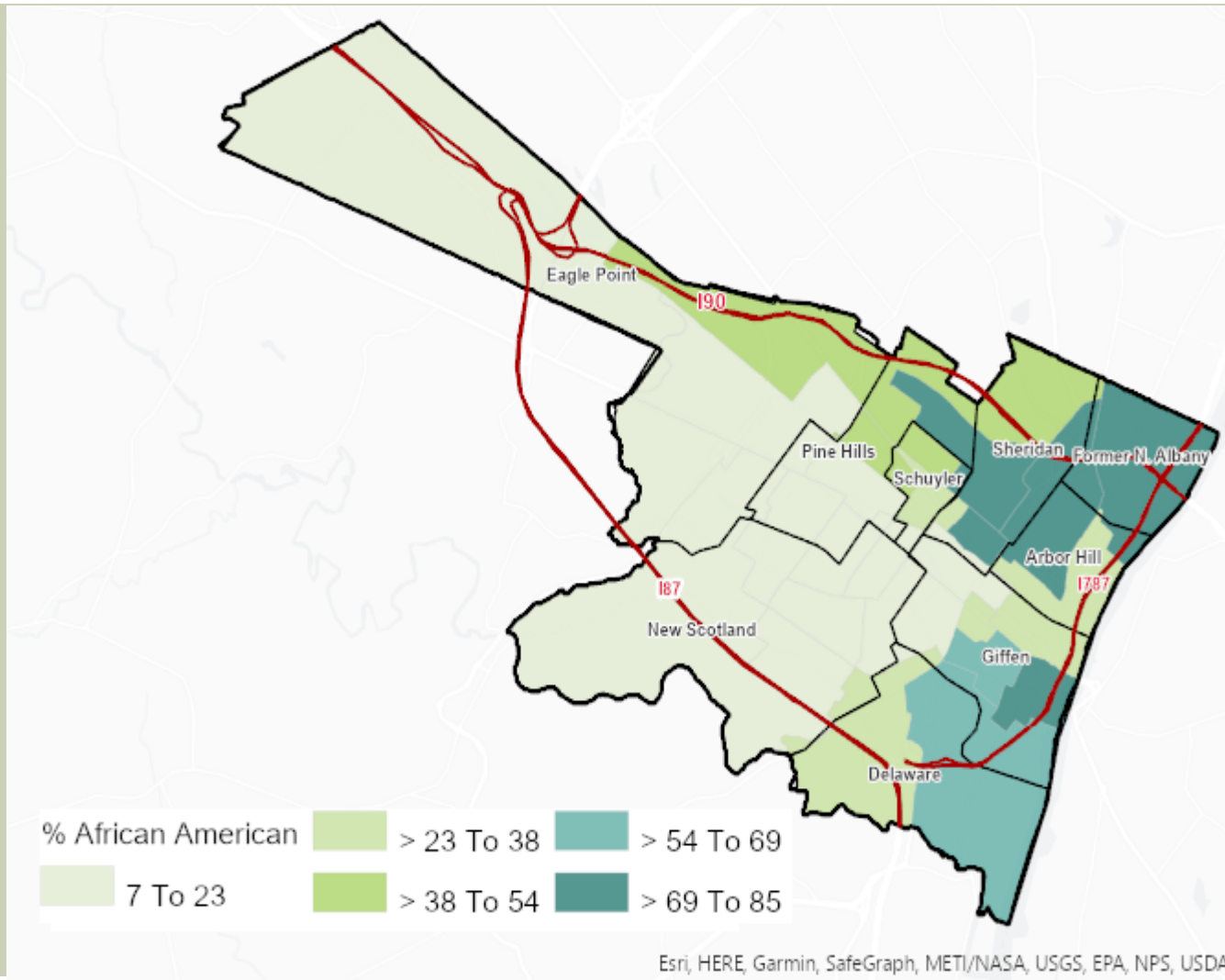
DEMOGRAPHIC PROFILE

- ❑ 52% White, 23% African-American, 11% Hispanic
- ❑ 14% of population is foreign-born (Albany Co. = 10%). China and Pakistan are largest sources.
- ❑ Bachelor's Degree or Higher = 44%, same as Albany County
- ❑ Median family income = \$78K (Albany Co. = \$98K)
- ❑ Approximately 50,000 housing units, of which 60% are renter-occupied (Albany Co. = 42%).
- ❑ Median value of owner-occupied unit = \$190,000

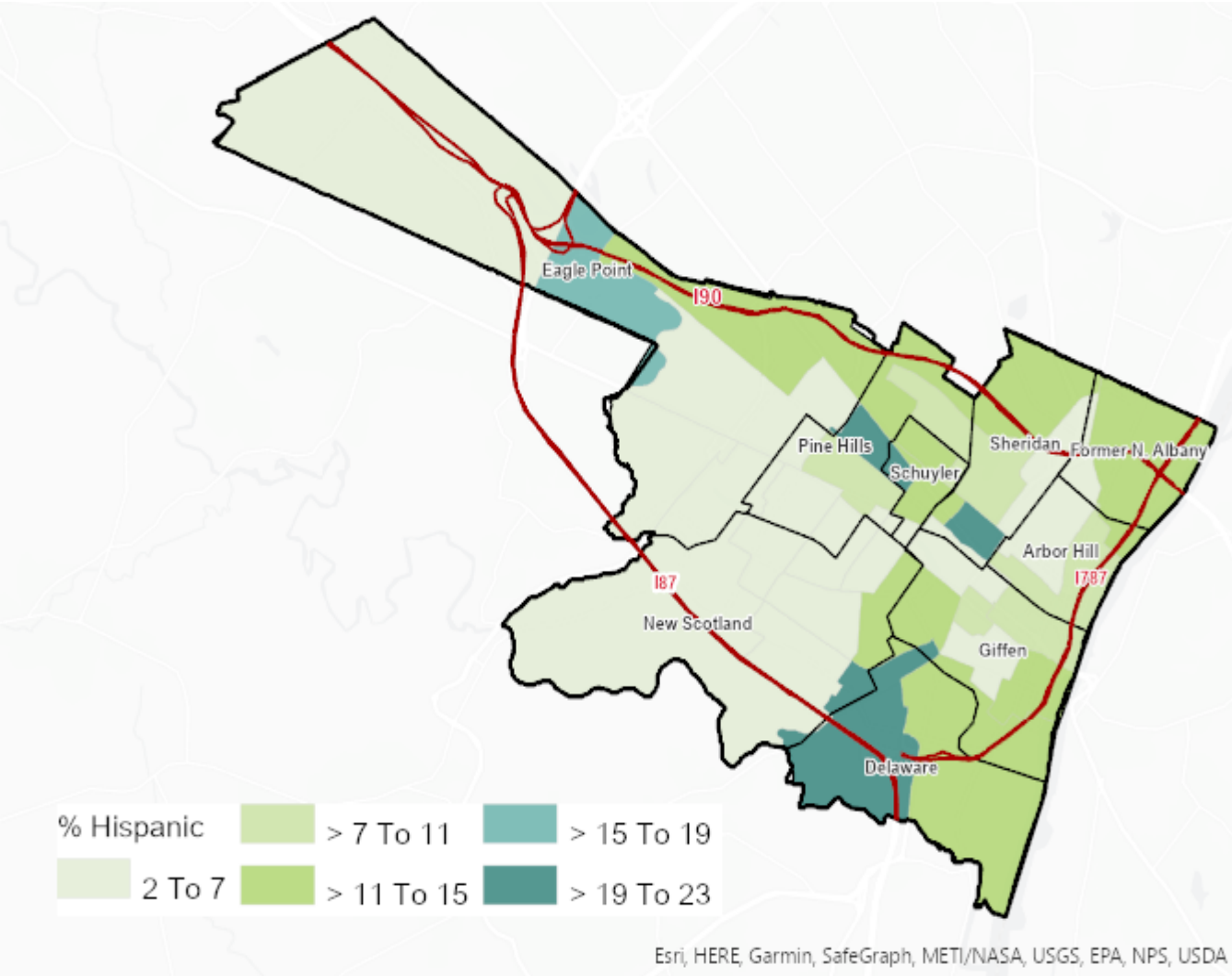
ALBANY WHITE PERCENTAGE



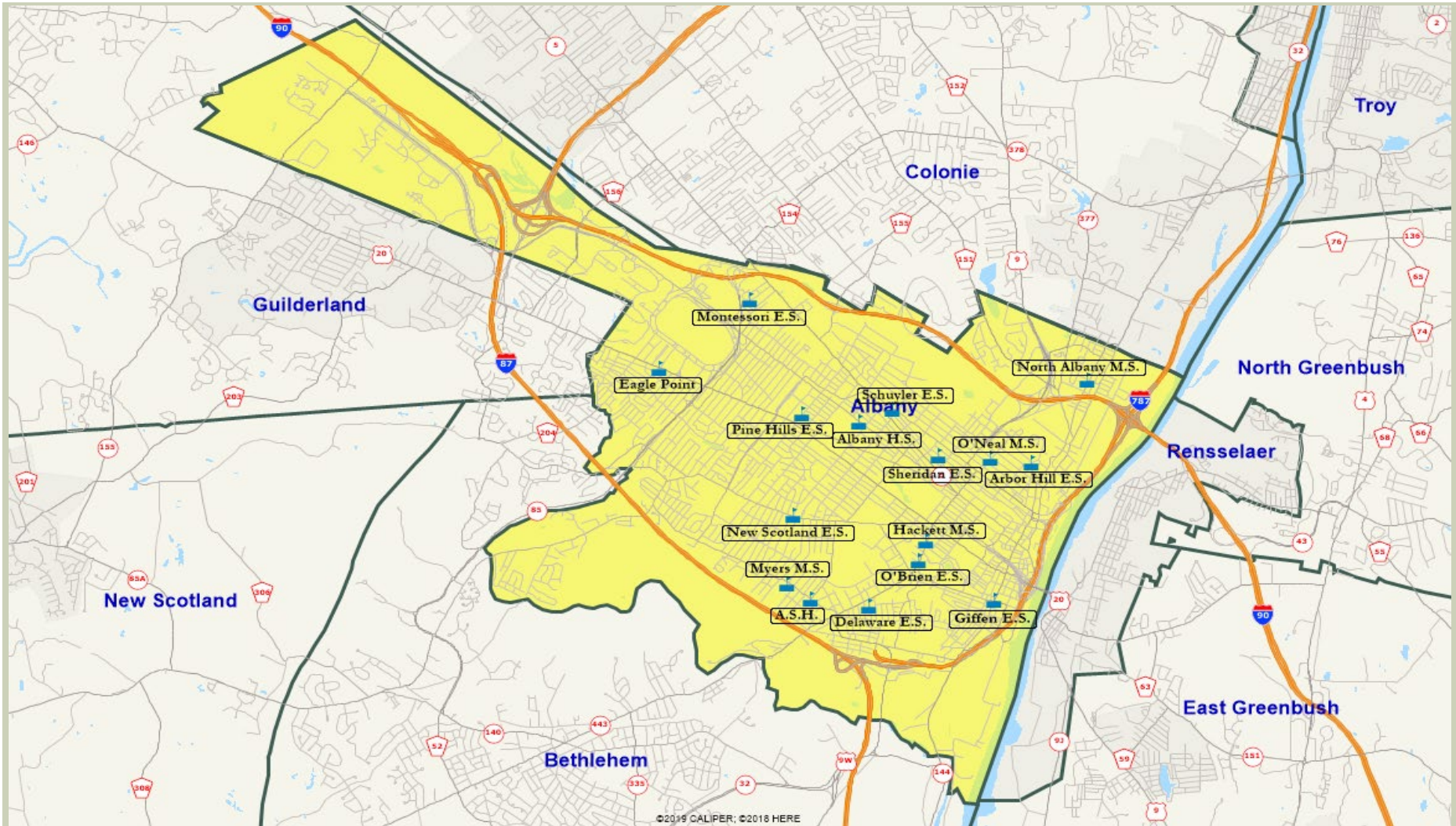
ALBANY AFRICAN-AMERICAN PERCENTAGE



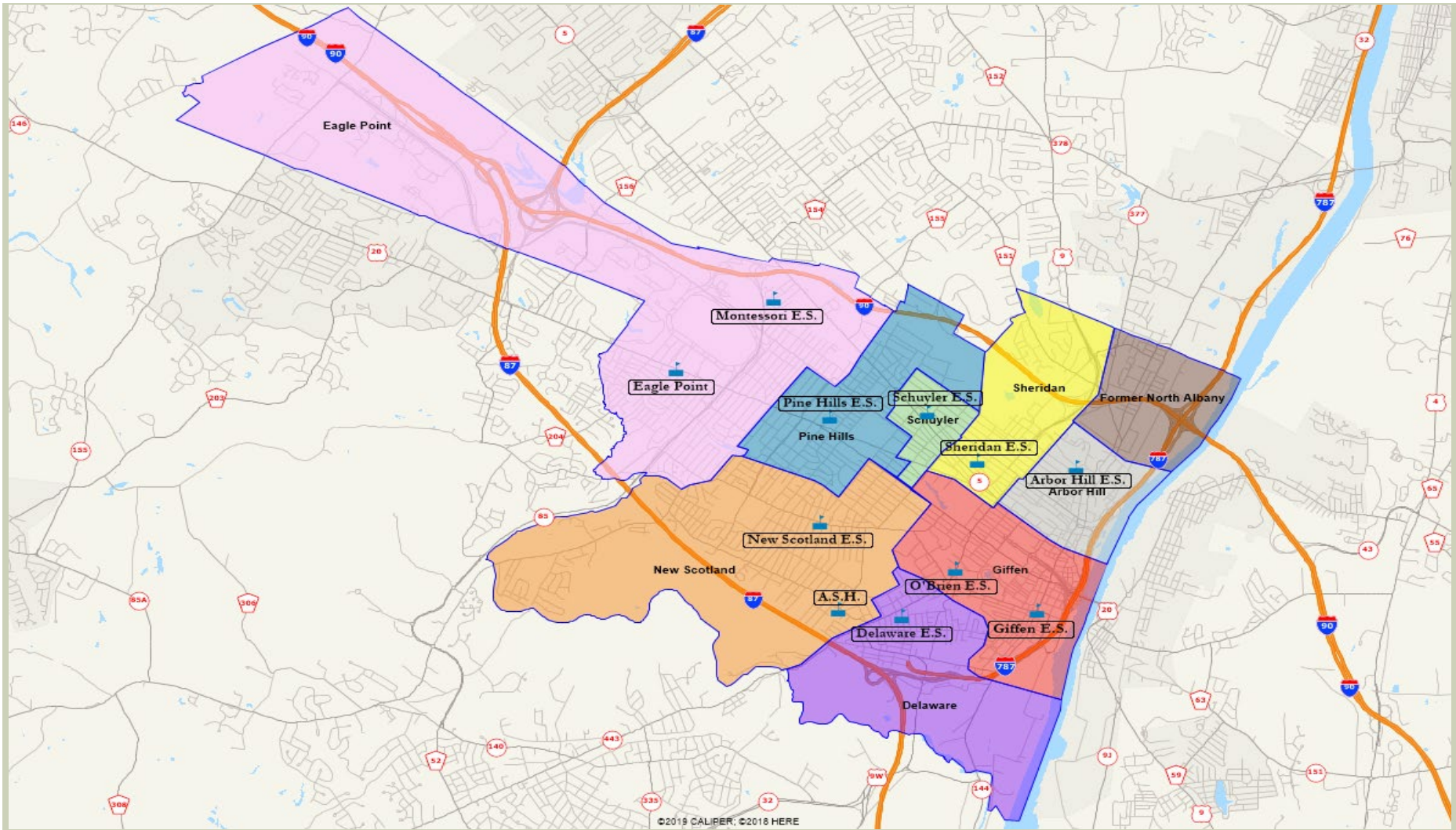
ALBANY HISPANIC PERCENTAGE



SCHOOL LOCATIONS



ELEMENTARY ATTENDANCE AREAS



HISTORICAL ENROLLMENT TRENDS

- ❑ District's 2019-20 enrollment (K-12, excluding PK) is 8,610. (PK-12 = 9,548)
- ❑ Enrollment peaked in 2017-18 (9,061) before declining by 451 students in last 2 years.
- ❑ Cohort-Survival Ratio Method (CSR) was used to project enrollments ten years into the future.

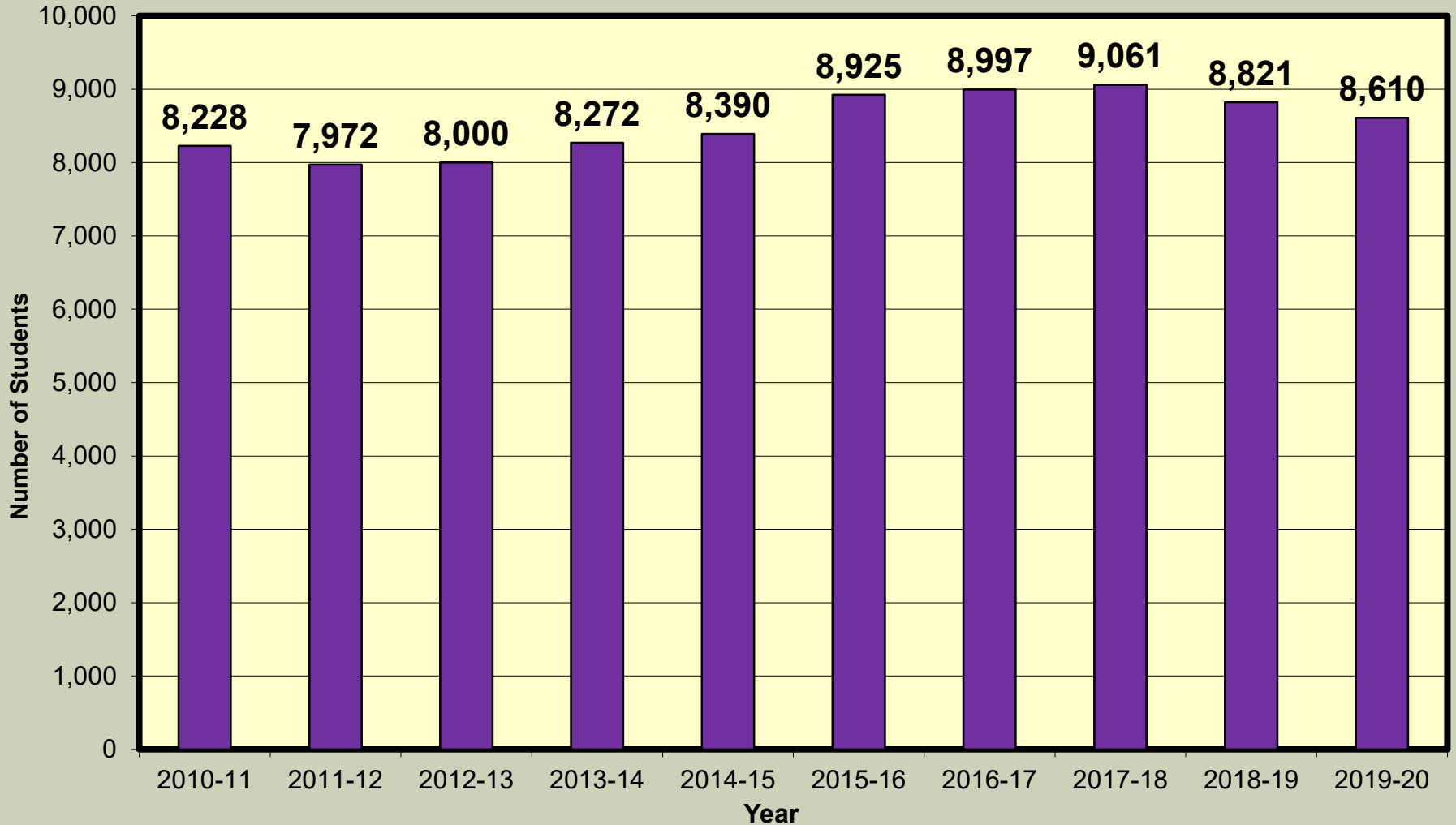
ENROLLMENT PROJECTION METHOD

COHORT SURVIVAL RATIO

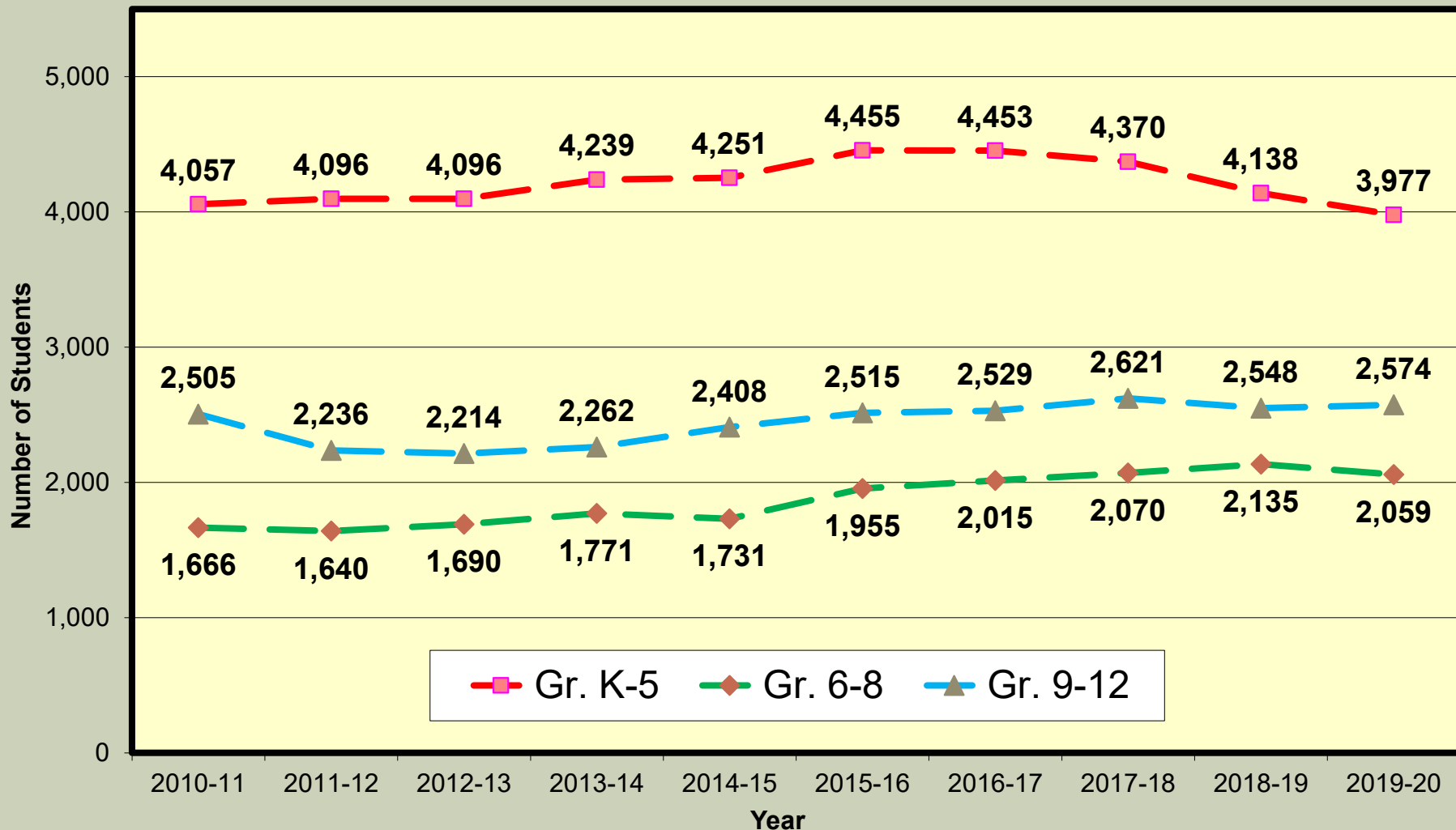
- ❑ Ratios are calculated for each grade progression. (Ex. 100 1st graders in 2018-19 become 95 2nd graders in 2019-20 = 0.95)
- ❑ Ratios above 1.000 = inward migration, below 1.000 = outward migration
- ❑ Survival ratios were computed for ten historical years.
- ❑ 11 of 13 average ratios were below 1.000 indicating net outward migration.
- ❑ 4-year averages were computed and used to project future enrollments.

HISTORICAL ENROLLMENTS (K-12)

2010-11 TO 2019-20

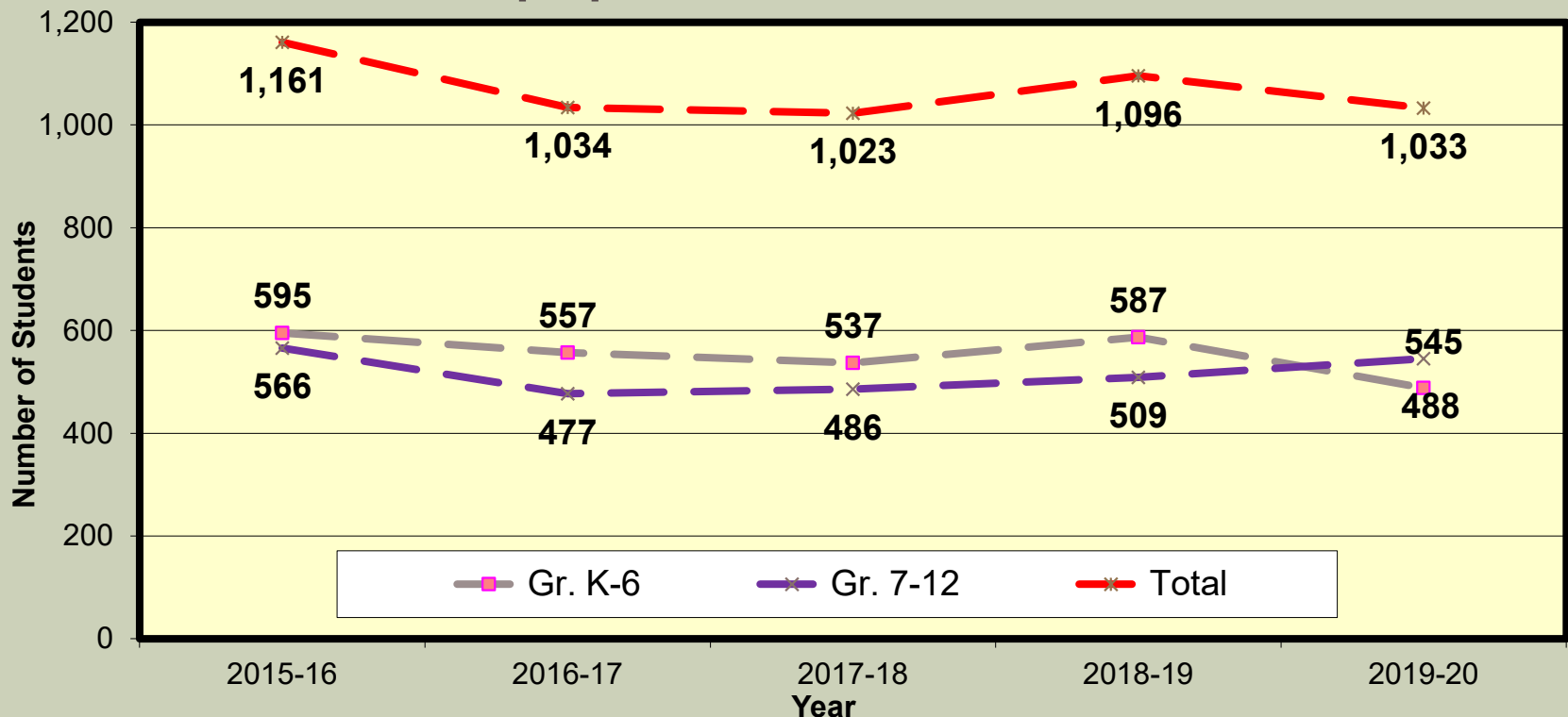


HISTORICAL ENROLLMENTS BY GRADE CONFIGURATION 2010-11 TO 2019-20

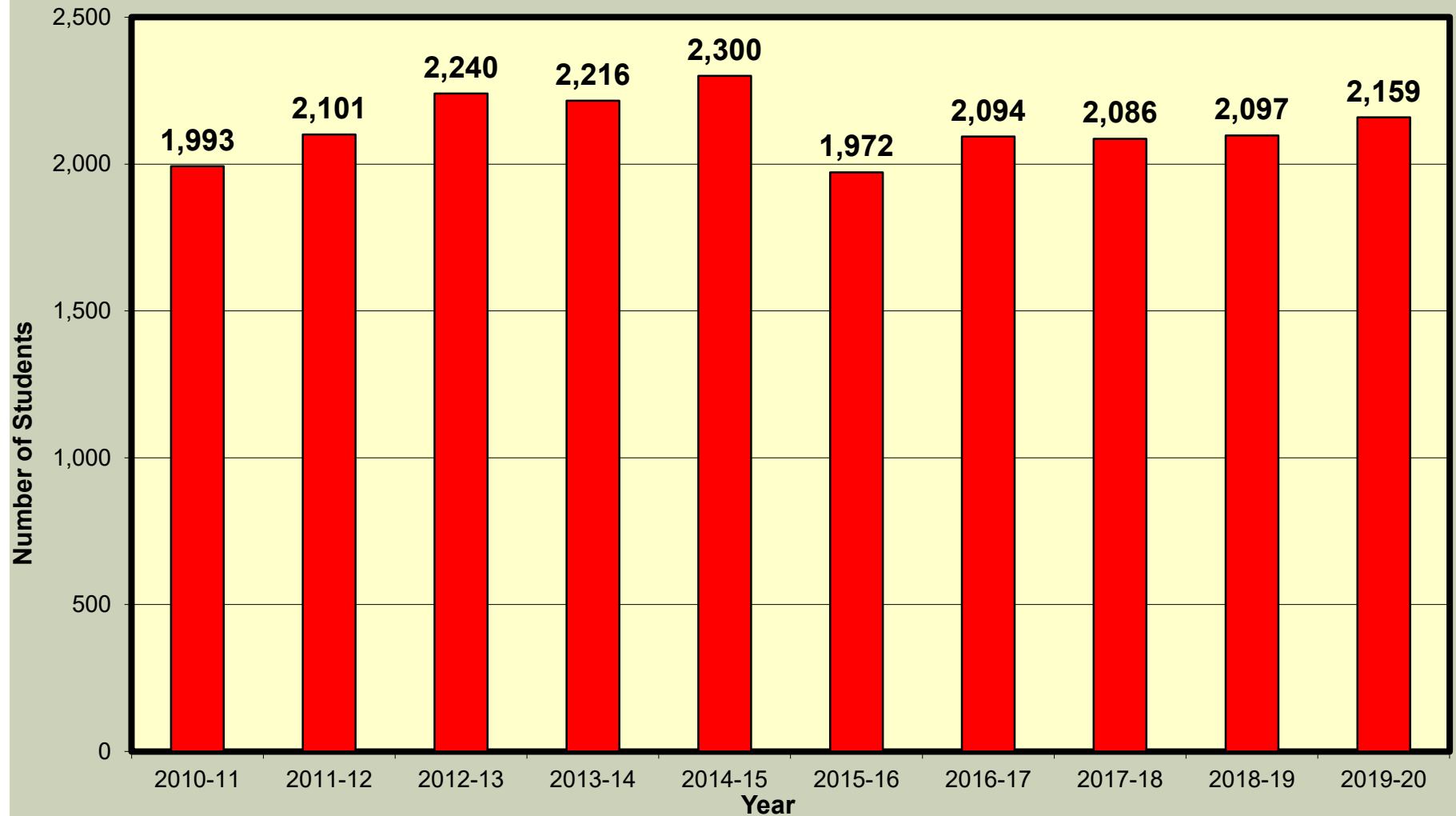


NON-PUBLIC SCHOOL ENROLLMENT

1,033 Albany resident students (K-12) attended non-public schools in 2019-20, representing 8.8% of Albany resident student population.



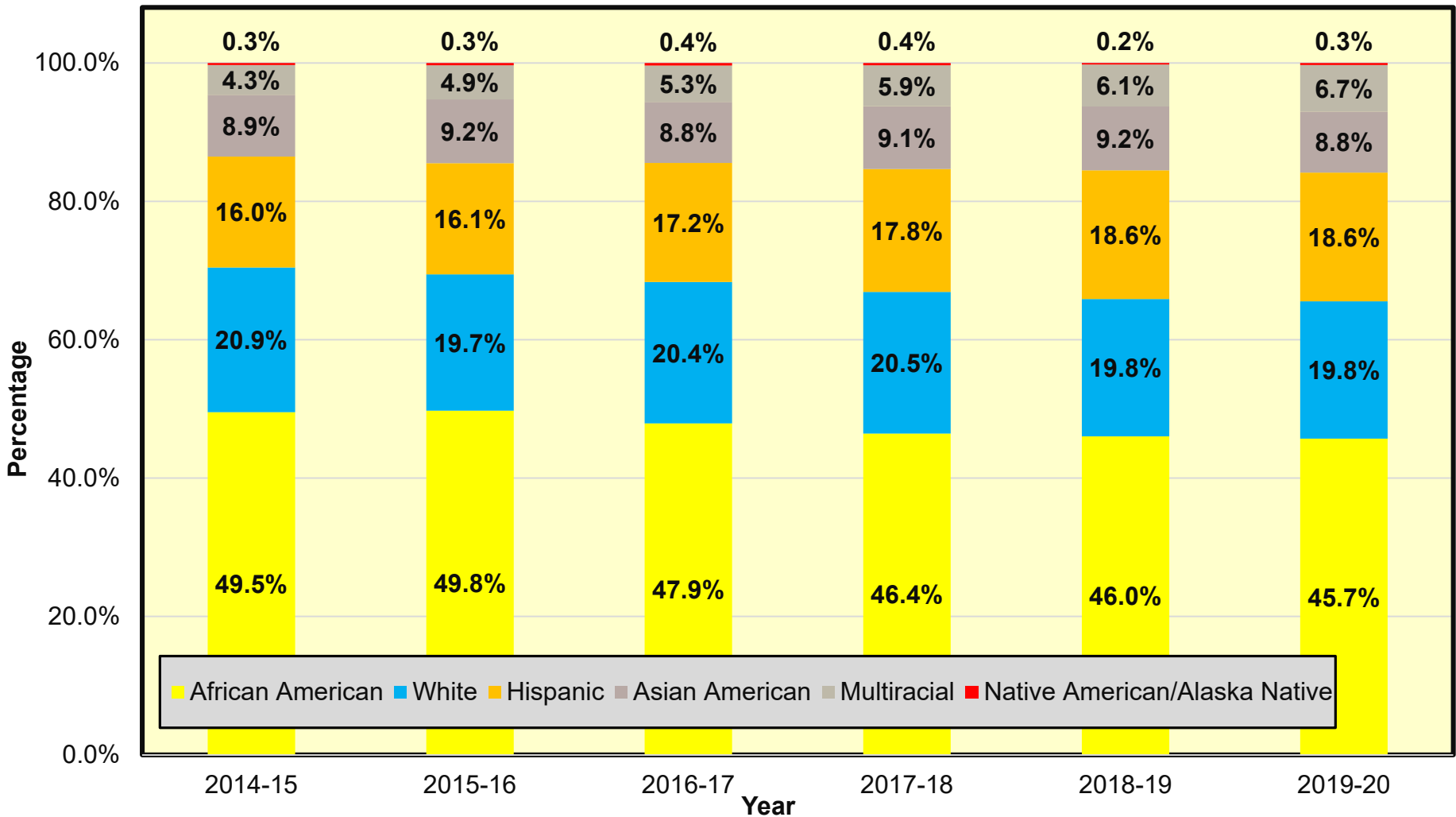
CHARTER SCHOOL ENROLLMENTS ALBANY RESIDENT STUDENTS



PUBLIC/PRIVATE/CHARTER ENROLLMENTS

School Type	2015-16	2016-17	2017-18	2018-19	2019-20
Public	8,925	8,997	9,061	8,821	8,610
Private	1,161	1,034	1,023	1,096	1,033
Charter	1,972	2,094	2,086	2,097	2,159
Total	12,058	12,125	12,170	12,014	11,802
Public %	74.0%	74.2%	74.5%	73.4%	73.0%
Private %	9.6%	8.5%	8.4%	9.1%	8.8%
Charter %	16.4%	17.3%	17.1%	17.5%	18.3%

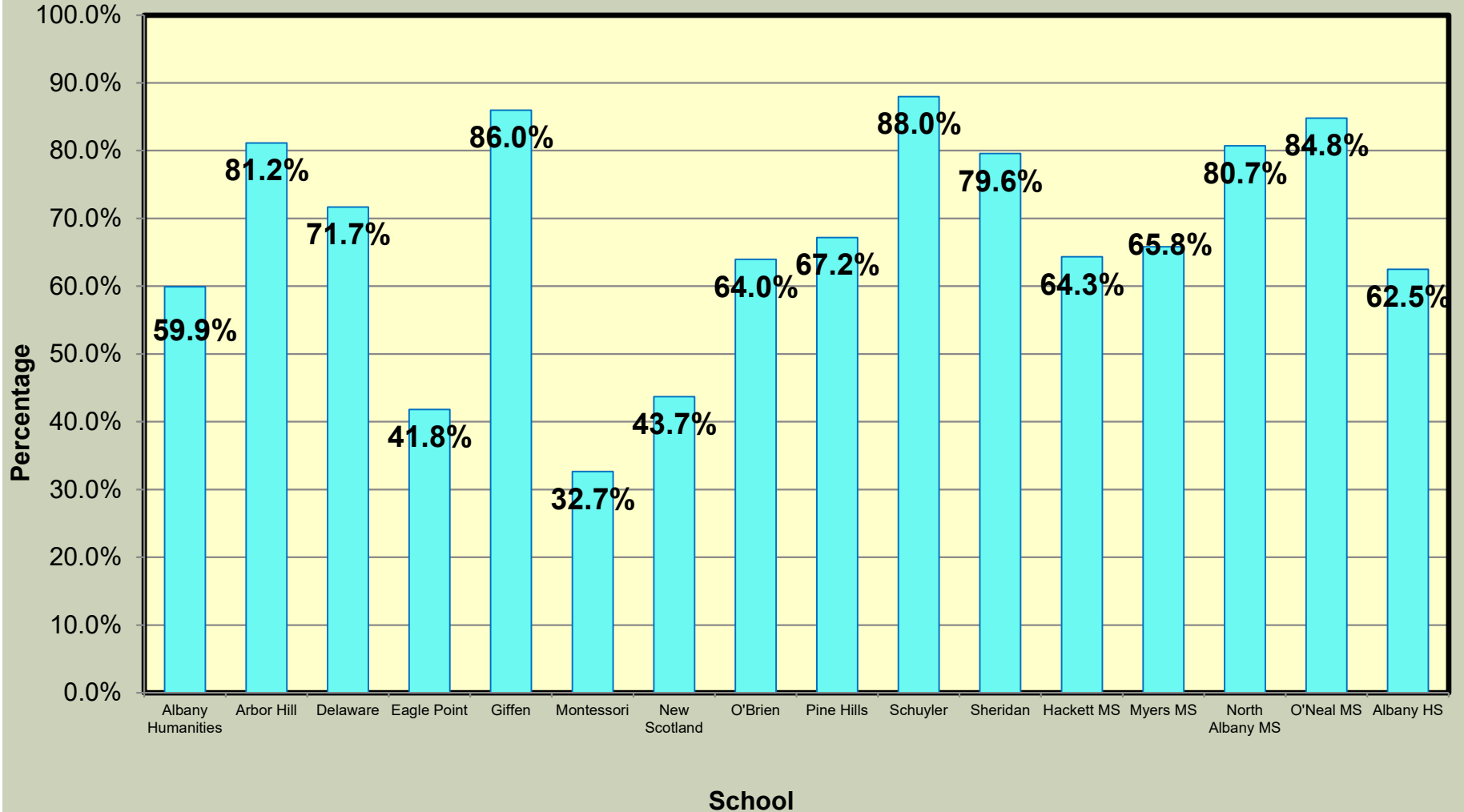
ENROLLMENTS BY RACE



ECONOMICALLY DISADVANTAGED STUDENTS

- 4,842 students (57.7%) were economically disadvantaged in the school district in 2014-15
- 5,635 students (65.4%) in 2019-20, which is an increase of 793 economically disadvantaged students.

ECONOMICALLY DISADVANTAGED STUDENTS 2019-20



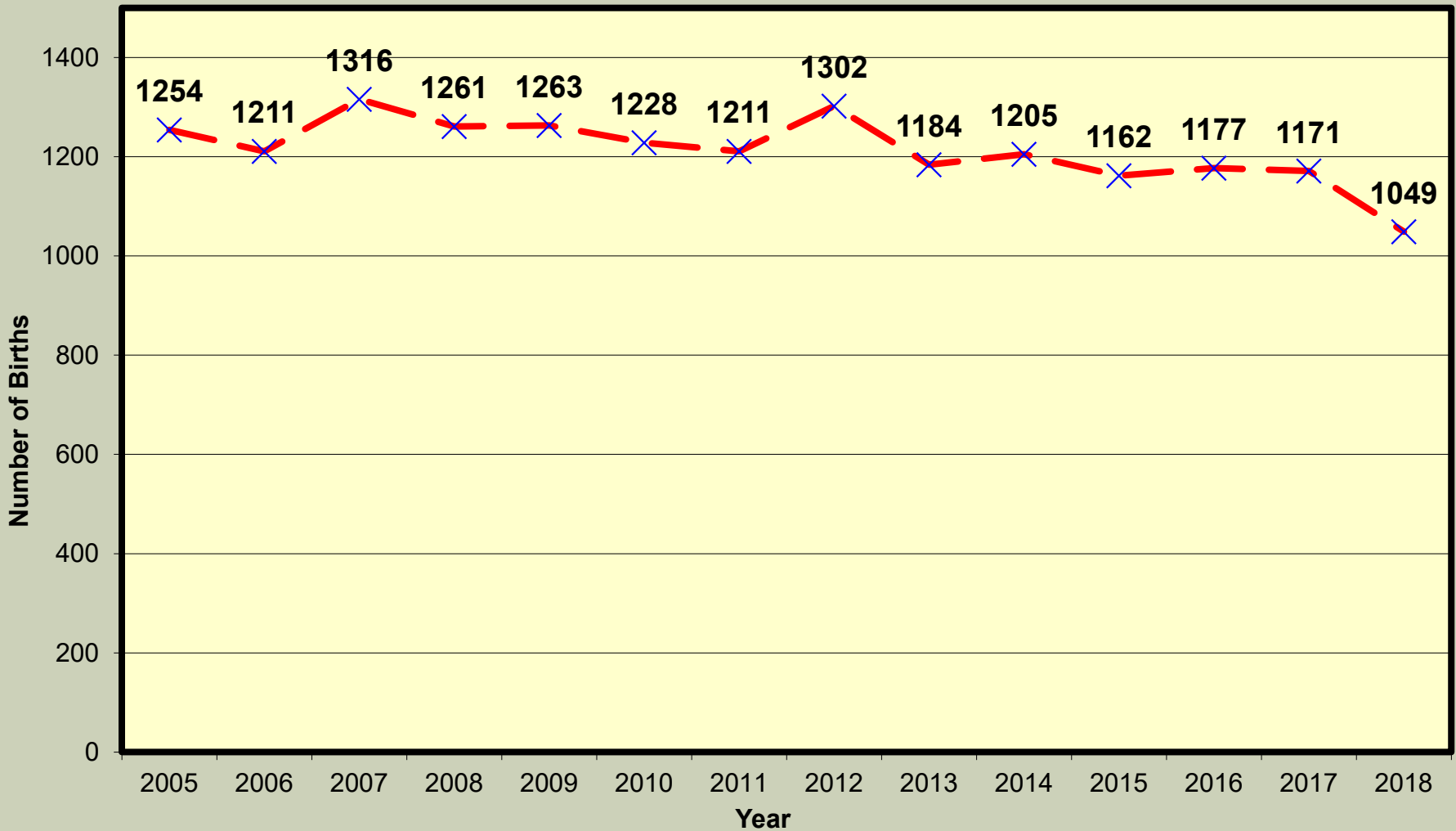
BIRTH COUNTS

- ❑ Births are used to project kindergarten students 5 years later.
- ❑ Births declined from 1,254 in 2005 to 1,049 in 2018 (-205).
- ❑ As a result, kindergarten counts have declined from 783 in 2013-14 to 631 in 2019-20.

BIRTH COUNTS AND BIRTH-TO-KINDERGARTEN SURVIVAL RATIOS

Birth Year	Number of Births Albany	Kindergarten Students Five Years Later	Birth-to-Kindergarten Survival Ratio
2005	1,254	715	0.570
2006	1,211	756	0.624
2007	1,316	766	0.582
2008	1,261	783	0.621
2009	1,263	774	0.613
2010	1,228	738	0.601
2011	1,211	696	0.575
2012	1,302	730	0.561
2013	1,184	627	0.530
2014	1,205	631	0.524
2015	1,162	N/A	N/A
2016	1,177	N/A	N/A
2017	1,171	N/A	N/A
2018	1,049	N/A	N/A

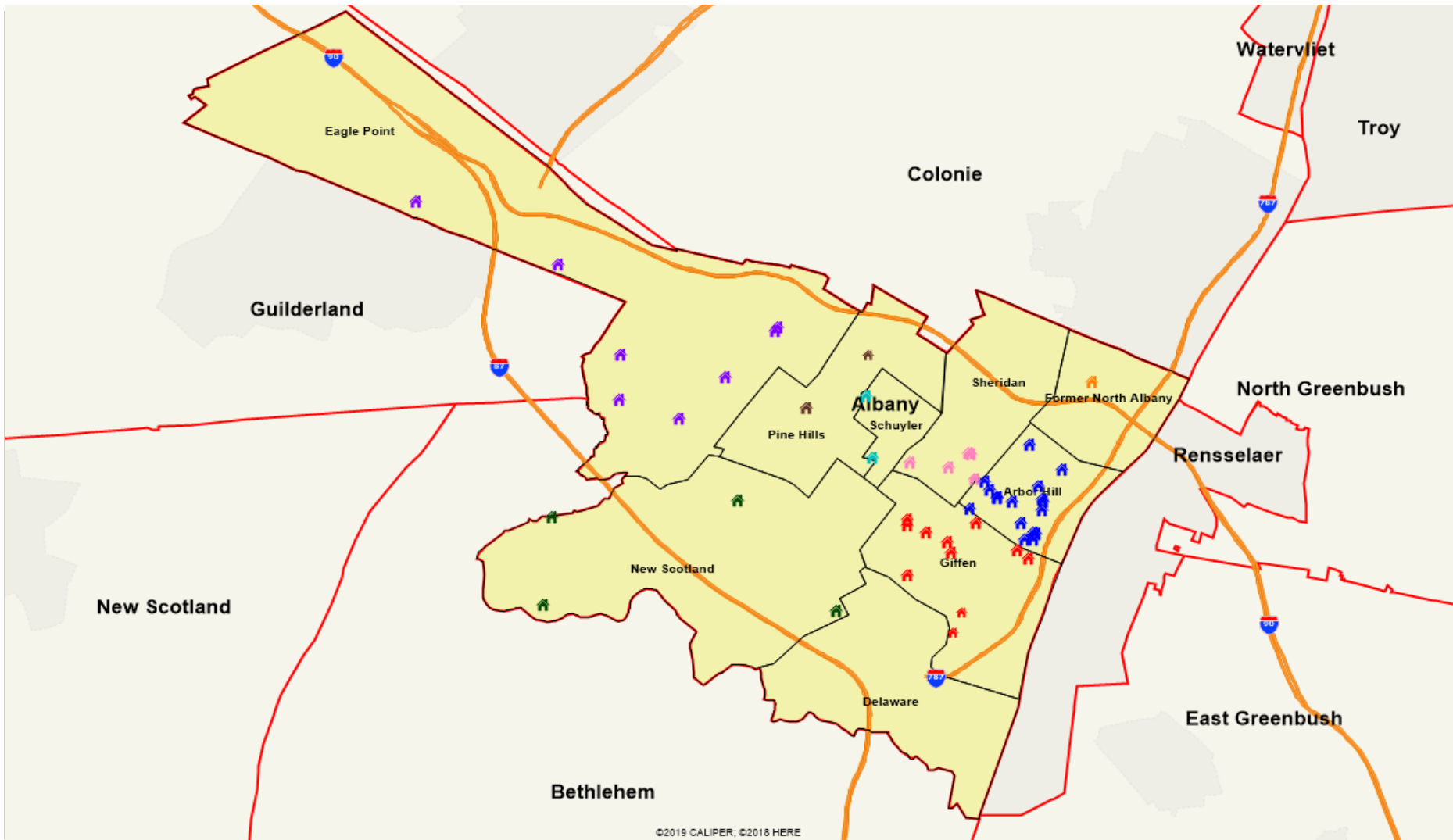
HISTORICAL BIRTH COUNTS 2005-2018



PLANNED NEW HOUSING IN ALBANY

- Potential for 2,207 new housing units; majority are multi-family.
- 34% in Arbor Hill attendance area, 25% in Giffen attendance area, and 23% in Eagle Point attendance area.
- Using ESI statewide housing multipliers, 434 public school children (K-12) are projected.
- However, number is likely to be much lower as there are no Albany students in 649 recently-constructed units that were analyzed.

ALBANY PROPOSED HOUSING



ENROLLMENT PROJECTIONS

Year	PK	K	1	2	3	4	5	SE	K-5 Total	6	7	8	SE	6-8 Total	9	10	11	12	SE	9-12 Total	K-12 Total	PK-12 Total
2020-21	972	636	607	600	646	629	681	40	3,839	681	670	676	36	2,063	686	610	589	620	79	2,584	8,486	9,458
2021-22	972	644	612	592	588	621	614	38	3,709	673	672	665	36	2,046	700	610	573	611	79	2,573	8,328	9,300
2022-23	972	641	619	597	580	565	606	38	3,646	607	664	667	34	1,972	688	623	573	594	78	2,556	8,174	9,146
2023-24	972	574	616	604	585	558	551	36	3,524	599	599	659	33	1,890	690	612	585	594	79	2,560	7,974	8,946
2024-25	972	607	552	601	592	562	545	36	3,495	545	591	594	31	1,761	682	614	575	607	78	2,556	7,812	8,784
2025-26	972	591	584	538	589	569	549	36	3,456	539	538	586	29	1,692	615	607	577	596	76	2,471	7,619	8,591
2026-27	972	599	568	570	527	566	555	35	3,420	543	532	534	29	1,638	606	547	570	598	73	2,394	7,452	8,424
2027-28	972	595	576	554	559	507	552	35	3,378	549	536	528	29	1,642	553	539	514	591	70	2,267	7,287	8,259
2028-29	972	597	572	562	543	537	495	35	3,341	546	542	532	29	1,649	546	492	507	533	66	2,144	7,134	8,106
2029-30	972	596	574	558	551	522	524	35	3,360	490	539	538	28	1,595	551	486	462	526	64	2,089	7,044	8,016

ENROLLMENT PROJECTIONS

Grade Configuration	2019-20 Enrollment	2024-25 Enrollment	Difference	Projected Enrollment 2029-30	Difference
Total (K-12)	8,610	7,812	-798	7,044	-1,566
Elementary (K-5)	3,977	3,495	-482	3,360	-617
Middle (6-8)	2,059	1,761	-298	1,595	-464
Albany H.S. (9-12)	2,574	2,556	-18	2,089	-485

CAPACITY ANALYSIS

Grade Configuration	Capacity	2019-20 Enrollment	Difference	Projected Enrollment 2029-30	Difference
Elementary (K-5)	5,491	3,977	+1,514	3,360	+2,131
Middle (6-8)	2,586	2,059	+527	1,595	+991
Albany H.S. (9-12)	3,000	2,574	+426	2,089	+911

SUMMARY

- Enrollments (K-12) are projected to be lower at the end of the 10-year projection period.
 1. Declining birth rate
 2. Net outward migration of students
- Smaller kindergarten cohorts from declining births result in smaller elementary, middle, and, eventually, high school grades as they move through the system.

